LMCJ CONSULTING

Table of Contents

Page 9 Process Models

Page 10 System Requirements

Page 11 List of Use Cases

Page 12 Architecture Considerations

Page 14 Risk Analysis

Page 22 Team

Charter

Page 24 Gantt Chart

Page 25 Inception Phase Prototypes

Iteration 3
Use Case Specification: Contact SRC through Dashboard

Version 1.0

Revision History

Date	Version	Description	Author
10/15/19	1.0	Contact SRC through Dashboard	Janelle Hall

Table of Contents

1. Use-Case Name 6 1.1 Brief Description 173 2. Flow of Events 6 2.1 Basic Flow 159 2.2 Alternative Flows 164 2.2.1 < First Alternative Flow > 173 2.2.2 < Second Alternative Flow > 2

3. Special Requirements 6 3.1 < First Special Requirement > 76 4. Pre-conditions 11 4.1 < Pre-condition One > 7 5. Post-conditions 7 5.1 < Post-condition One > 21 6. Extension Points 2

6.1 <Name of Extension Point> 2

Use Case Specification: Contact SRC through Dashboard

1. Use-Case Name

1.1 Brief Description

The member will have the ability to contact the SRC through a pre-generated form. Upon clicking the "Contact the SRC" button on the member dashboard, the system will display a form with available boxes for the member to insert information into and submit to the SRC. The primary actor for this use case is a gym member.

2. Flow of Events

2.1 Basic Flow

1. The primary actor begins on their individual member dashboard
2. The primary actor clicks on the button "Contact the SRC"
3. The system displays a pre-generated form
4. The primary actor enters first name
5. The primary actor enters last name
6. The primary actor enters email address
7. The primary actor enters message to the SRC
8. The primary actor clicks "Submit" button at bottom of the form
9. The system sends the form to the staff of the SRC

2.2 Alternative Flows

2.2.1 Alternative Flow

9a. The member enters invalid information

3. Special Requirements

3.1 First Special Requirement

1. System accessed through a web server

4. Pre-conditions

4.1 The system must be logged into the user profile
4.2 The system must display the member dashboard

5. Post-conditions

5.1 The system will submit the contact form to the staff of the SRC

Use Case Specification: Contact SRC through Email

Version 1.0

Revision History

Date	Version	Description	Author
10/15/19	1.0	Contact SRC through Email	Janelle Hall

Table of Contents

1. Use-Case Name 6 1.1 Brief Description 173 2. Flow of Events 6 2.1 Basic Flow 159 2.2 Alternative Flows 164 2.2.1 < First Alternative Flow > 173 2.2.2 < Second Alternative Flow > 2

3. Special Requirements 6 3.1 < First Special Requirement > 76 4. Pre-conditions 11 4.1 < Pre-condition One > 7 5. Post-conditions 7 5.1 < Post-condition One > 21 6. Extension Points 2

6.1 <Name of Extension Point> 2

Use Case Specification: Contact SRC through Email

1. Use-Case Name

1.1 Brief Description

The member will have the ability to contact the SRC through email. Upon clicking the "Email the SRC" button on the member dashboard, the system will redirect to the user's default email service with an open email with the SRC's email in the "To" section. The primary actor for this use case is a gym member.

2. Flow of Events

2.1 Basic Flow

1. The primary actor begins on their individual member dashboard
2. The primary actor clicks on the button "Email the SRC"
3. The system redirects to the member's default email service
4. The system displays an email window with the SRC email in the "To" section

2.2 Alternative Flows

2.2.1 Alternative Flow

3a. The member does not have a default email service

4a. The system displays a pop up box with the SRC email

3. Special Requirements

3.1 First Special Requirement

1. System accessed through a web server
2. The member has a default email service

4. Pre-conditions

4.1 The system must be logged into the user profile

4.2 The system must display the member dashboard

5. Post-conditions

5.1 The system will provide the SRC's email address

Use Case Specification: Sign Up for Fitness Classes

Version 1.0

Revision History

Date	Version	Description	Author
10/15/19	1.0	Sign Up for Fitness Classes	Janelle Hall

Iteration 3	Version: 1.0
Use Case Specification: Sign Up for Fitness Classes	Date: 10/15/19
Rational Use Case Document	

Table of Contents

1. Use-Case Name 61.1 Brief Description 1732. Flow of Events 62.1 Basic Flow 1592.2 Alternative Flows1642.2.1 < First Alternative Flow > 1732.2.2 < Second Alternative Flow > 2

3. Special Requirements 63.1 < First Special Requirement > 764. Pre-conditions 114.1 < Pre-condition One > 75. Post-conditions 75.1 < Post-condition One > 216. Extension Points 2

6.1 <Name of Extension Point> 2

Use Case Specification: Sign Up for Fitness Classes

1. Use-Case Name

1.1 Brief Description

The member will have the ability to sign up for fitness classes directly through their member dashboard. The primary actor for this use case is a gym member.

2. Flow of Events

2.1 Basic Flow

1. The primary actor begins on their individual member dashboard
2. The primary actor clicks on the button “Sign Up for Fitness Classes”
3. The system redirects to a page displaying the schedule of upcoming fitness classes
4. The primary actor clicks on the desired class
5. The system redirects to a confirmation page
6. The primary actor clicks the button “confirm”
7. The system save the information for the specific member and specific class

2.2 Alternative Flows

2.2.1 Alternative Flow

4a. The primary actor does not click on an available class

3. Special Requirements

3.1 First Special Requirement

1. System accessed through a web server

4. Pre-conditions

4.1 The system must be logged into the user profile

4.2 The system must display the member dashboard

5. Post-conditions

5.1 The member will be signed up for a fitness class

Use Case Specification: Reserve a Fitness Room

Version 1.0

Revision History

Date	Version	Description	Author
10/15/19	1.0	Reserve a Fitness Room	Janelle Hall

Table of Contents

1. Use-Case Name 6 1.1 Brief Description 17 3 2. Flow of Events 6 2.1 Basic Flow 15 9 2.2 Alternative Flows 16 4 2.2.1 < First Alternative Flow > 17 3 2.2.2 < Second Alternative Flow > 2

3. Special Requirements 6 3.1 < First Special Requirement > 7 6 4. Pre-conditions 11 4.1 < Pre-condition One > 7 5. Post-conditions 7 5.1 < Post-condition One > 21 6. Extension Points 2

6.1 <Name of Extension Point> 2

Use Case Specification: Reserve a Fitness Room

1. Use-Case Name

1.1 Brief Description

The member will have the ability to reserve a fitness room by clicking the button “Reserve A Room” directly on their member dashboard. The primary actor for this use case is a gym member.

2. Flow of Events

2.1 Basic Flow

1. The primary actor begins on their individual member dashboard
2. The primary actor clicks on the button “Reserve A Room”
3. The system displays a list of rooms
4. The primary actor clicks on desired room
5. The system displays a list of time slots available
6. The primary actor clicks on desired time
7. The system saves the member information
8. The system saves the information for the room
9. The system marks the room as unavailable to other members at that time

2.2 Alternative Flows

2.2.1 Alternative Flow

6a. The primary actor clicks on unavailable time

3. Special Requirements

3.1 First Special Requirement

1. System accessed through a web server

4. Pre-conditions

4.1 The system must be logged into the user profile
4.2 The system must display the member dashboard

5. Post-conditions

5.1 The member will have a room booked in their name for a time slot

Iteration 3
Use Case Specification: View SRC Social Media

Version 1.0

Revision History

Date	Version	Description	Author
10/15/19	1.0	View SRC Social Media	Janelle Hall

Iteration 3	Version: 1.0
Use Case Specification: View SRC Social Media	Date: 10/15/19
Rational Use Case Document	

Table of Contents

1. Use-Case Name 61.1 Brief Description 1732. Flow of Events 62.1 Basic Flow 1592.2 Alternative Flows1642.2.1 < First Alternative Flow > 1732.2.2 < Second Alternative Flow > 2

3. Special Requirements 63.1 < First Special Requirement > 764. Pre-conditions 114.1 < Pre-condition One > 75. Post-conditions 75.1 < Post-condition One > 216. Extension Points 2

6.1 <Name of Extension Point> 2

Iteration 3	Version: 1.0
Use Case Specification: View SRC Social Media	Date: 10/15/19
Rational Use Case Document	

Use Case Specification: View SRC Social Media

1. Use-Case Name

1.1 Brief Description

The member will have the ability to access the SRC's social media pages through clicking a button directly on their member dashboard. The primary actor for this use case is a gym member.

2. Flow of Events

2.1 Basic Flow

1. The primary actor begins on their individual member dashboard
2. The primary actor clicks on the Instagram icon
3. The system redirects to the Instagram page for the SRC

2.2 Alternative Flows

2.2.1 First Alternative Flow

2a. The primary actor clicks on the Facebook icon

3a. The system redirects to the Facebook page for the SRC

2.2.2 Second Alternative Flow

2b. The primary actor clicks on the Twitter icon
3b. The system redirects to the Twitter page for the SRC

3. Special Requirements

3.1 First Special Requirement

1. System accessed through a web server

4. Pre-conditions

4.1 The system must be logged into the user profile
4.2 The system must display the member dashboard

5. Post-conditions

5.1 The system will display the specified social media page for the SRC

Use Case Specification: View Member Dashboard

Version 1.0

Revision History

Date	Version	Description	Author
10/15/19	1.0	View Member Dashboard	Janelle Hall

Iteration 3	Version: 1.0
Use Case Specification: View Member Dashboard	Date: 10/15/19
Rational Use Case Document	

Table of Contents

1. Use-Case Name 61.1 Brief Description 1732. Flow of Events 62.1 Basic Flow 1592.2 Alternative Flows1642.2.1 < First Alternative Flow > 1732.2.2 < Second Alternative Flow > 2

3. Special Requirements 63.1 < First Special Requirement > 764. Pre-conditions 114.1 < Pre-condition One > 75. Post-conditions 75.1 < Post-condition One > 216. Extension Points 2

6.1 <Name of Extension Point> 2

Use Case Specification: View Membership Dashboard

1. Use-Case Name

1.1 Brief Description

The act of viewing the member dashboard allows a member to navigate to a web page from the SRC that will let them view specifics regarding their own membership. This dashboard will display basic membership information such as membership type, membership status, locker rental status, payment history, and upcoming fitness classes. The primary actor is the gym member.

2. Flow of Events

2.1 Basic Flow

1. The primary actor begins on the main screen of the SRC website after logging in
2. The primary actor clicks on the link “View Member Dashboard”
3. The system verifies the member’s account
4. The system displays the member’s dashboard

2.2 Alternative Flows

2.2.1 Alternative Flow

3a. The member’s account is not verified

3. Special Requirements

3.1 First Special Requirement

1. System accessed through a web server

4. Pre-conditions

4.1 The system must be logged into the user profile

5. Post-conditions

5.1 The system will display the membership dashboard

Iteration 3
Use Case Specification: Add Recurring Billing Method

Version 1.0

Revision History

Date	Version	Description	Author
19/10/2019	1.0	Add Recurring Billing Method Use Case	Marvin Weaver

Table of Contents

1. Use-Case Name 2

1.1 Brief Description 62. Flow of Events 1732.1 Basic Flow 62.2 Alternative Flows 1593. Special Requirements 1733.1 < First Special Requirement > 2

4. Pre-conditions 1194.1 < Pre-condition One > 2

5. Post-conditions 65.1 < Post-condition One > 2

Iteration 3	Version: 1.0
Use Case Specification: Add Recurring Billing Method	Date: 19/10/2019
Rational Use Case Diagram	

Use Case Specification: Add Recurring Billing Method

1. Add Recurring Billing Method

1.1 Brief Description

This function allows the users to have a "set it and forget it" mindset. Allowing them to input their payment method once, and then not have to worry about paying the membership fees every month. The university fitness management system will take care of their payments giving the actor peace of mind when it comes to making payments on time.

2. Flow of Events

2.1 Basic Flow

1.Actor will access their membership dashboard.
2. The actor will click on "Pay Online" icon located on dashboard.
3. The actor will have the choice to pay with a PayPal account or be able to input a credit card to pay for the account fees.
4. The actor will check the box at the bottom saying "Establish Recurring Billing Method"
4. Then actor will click on the "Finish & Pay" icon located at the bottom of the screen.

2.2 Alternative Flows

2.2.1 First Alternative Flow

The actors account must be verified.

3. Special Requirements

3.1 The actor must be logged into their U of L university fitness management system account.

4. Pre-conditions

4.1 The actor must have a payment method that is viable to use online.

5. Post-conditions

5.1 The actor will not have to worry about making payments for the membership.

Use Case Specification: Email Alerts and Updates

Version 1.0

Revision History

Date	Version	Description	Author
10/20/19	1.0	Email Alerts and Updates	Cameron Watson

Table of Contents

1. Use-Case Name 1381.1 Brief Description 52. Flow of Events 62.1 Basic Flow 1732.2 Alternative Flows2

2.2.1 < First Alternative Flow > 2

2.2.2 < Second Alternative Flow > 2

3. Special Requirements 63.1 < First Special Requirement > 1594. Pre-conditions 1644.1 < Pre-condition One > 1735. Post-conditions 1195.1 < Post-condition One > 66. Extension Points 2

6.1 <Name of Extension Point> 2

Use Case Specification: Email Alerts and Updates

1. Use-Case Name

1.1 Brief Description

The member will receive an email of upcoming events or alerts for the SRC.

2. Flow of Events

2.1 Basic Flow

1. Email list of all members will be pulled from the web server
2. Members will receive an email of upcoming events or alerts of closers.

3. Special Requirements

3.1 First Special Requirement

1. All data must be accurately put into the web server.
2. A list of members must be generated into an email list.
3. Email will be sent to all members.

4. Pre-conditions

4.1 Pre-condition One

1. The data must be accurately put into the web server.
2. A report must run before every email.
3. The members on the report will be emailed with alerts and updates.

5. Post-conditions

5.1 Post-condition One

1. The email of the alert or update22 needed will be sent to the member.

Use Case Specification: Cancel a Locker

Version 1.0

Revision History

Date	Version	Description	Author
18/10/2019	1.0	Cancel a Locker Use Case	Marvin Weaver

Iteraion3	Version: 1.0
Use Case Specification: Cancel a Locker	Date: 18/10/2019
Rational Use Case Diagram	

Table of Contents

1. Use-Case Name 2
   - 1.1 Brief Description 62. Flow of Events 1732.1 Basic Flow 62.2 Alternative Flows 2
     - 2.2.1 < First Alternative Flow > 1592.2.2 < Second Alternative Flow > 2
   - 3. Special Requirements 1643.1 < First Special Requirement > 2
   - 4. Pre-conditions 1734.1 < Pre-condition One > 2
   - 5. Post-conditions 1195.1 < Post-condition One > 2

Use Case Specification: Cancel a Locker

1. Cancel a Locker

1.1 Brief Description

The act of cancelling a locker allows the actor to stop paying for a locker at the SRC. The actor is able to this both online and in person at the SRC.

2. Flow of Events

2.1 Basic Flow

1.The actor goes to the dashboard on their account.
2.The actor clicks on icon “Rent a Locker”
3. The actor scrolls to the bottom of the page and clicks on the icon “Cancel Locker”
4. The actor is returned to the home page and has until the end of their last pay period to remove their items from their old locker.

2.1.1 First Alternative Flow

The actor may also cancel their locker in person at the SRC. To do this all they need to do is go to the front desk and inform the employee of their identification number, then tell the employee they wish to cancel their locker. The employee will do the rest for the actor.

3. Special Requirements

3.1 The actor must be in association with their U of L university fitness management system account.

4. Pre-conditions

4.1 The actor must have a previously existing locker at the SRC.

5. Post-conditions

5.1 The actor must clear their locker out, so none of their possessions are in the locker.

Use Case Specification: Email Reminder for Expiring Locker

Version 1.0

Revision History

Date	Version	Description	Author
10/20/19	1.0	Email Reminder for Expiring Locker	Cameron Watson

Table of Contents

1. Use-Case Name 51.1 Brief Description 62. Flow of Events 1732.1 Basic Flow 62.2 Alternative Flows2

2.2.1 < First Alternative Flow > 2

2.2.2 < Second Alternative Flow > 2

3. Special Requirements 1593.1 < First Special Requirement > 1644. Pre-conditions 1734.1 < Pre-condition One > 1195. Post-conditions 65.1 < Post-condition One > 766. Extension Points 2

6.1 <Name of Extension Point> 2

Iteration 3	Version: 1.0
Use Case Specification: Email Reminder for Expiring locker	Date: 10/20/19
Rational Use Case Document	

Use Case Specification: Email Reminder for Expiring Locker

1. Use-Case Name

1.1 Brief Description

The member will receive an email of that their locker is about to expire and letting them know that a payment is due to continue their locker.

2. Flow of Events

2.1 Basic Flow

1. Member will purchase a locker
2. Member will be added in the web server.
3. Web server will contain expire date.
4. With 30 days until the locker expires an automatic email will be sent to the member.

3. Special Requirements

3.1 First Special Requirement

1. All data must be accurately put into the web server.
2. A list of members within the 30-day period will be pulled into a report from the web server.
3. An automatic email will be sent to these users letting them know they have 30 days left and a new payment is due to continue their locker.

4. Pre-conditions

4.1 Pre-condition One

1. The data must be accurately put into the web server.
2. An automatic report must run every day.
3. The members on the report must be automatically sent an email letting them know their locker is about to expire and payment is due.

5. Post-conditions

5.1 Post-condition One

1. The email of the payment needed will be sent to the member.

Use Case Specification: Email Reminder for Expiring Membership

Version 1.0

Iteration 3	Version: 1.0
Use Case Specification: Email Reminder for Expiring membership	Date: 10/20/19
Rational Use Case Document	

Revision History

Date	Version	Description	Author
10/20/19	1.0	Email Reminder for Expiring Membership	Cameron Watson

Iteration 3	Version: 1.0
Use Case Specification: Email Reminder for Expiring membership	Date: 10/20/19
Rational Use Case Document	

Table of Contents

1. Use-Case Name 5 1.1 Brief Description 6 2. Flow of Events 173 2.1 Basic Flow 6 2.2 Alternative Flows 2

2.2.1 < First Alternative Flow > 2

2.2.2 < Second Alternative Flow > 2

3. Special Requirements 159 3.1 < First Special Requirement > 164 4. Pre-conditions 173 4.1 < Pre-condition One > 119 5. Post-conditions 6 5.1 < Post-condition One > 76 6. Extension Points 2

6.1 <Name of Extension Point> 2

Use Case Specification: Email Reminder for Expiring Membership

1. Use-Case Name

1.1 Brief Description

The member will receive an email of that their membership is about to expire and letting them know that a payment is due to continue their membership.

2. Flow of Events

2.1 Basic Flow

1. Member will purchase a membership
2. Member will be added in the web server.
3. Web server will contain expire date.
4. With 30 days until the membership expires an automatic email will be sent to the member.

3. Special Requirements

3.1 First Special Requirement

1. All data must be accurately put into the web server.
2. A list of members within the 30-day period will be pulled into a report from the web server.
3. An automatic email will be sent to these users letting them know they have 30 days left and a new payment is due to continue their membership.

4. Pre-conditions

4.1 Pre-condition One

1. The data must be accurately put into the web server.
2. An automatic report must run every day.
3. The members on the report must be automatically sent an email letting them know their membership is about to expire and payment is due.

5. Post-conditions

5.1 Post-condition One

1. The email of the payment needed will be sent to the member.

Use Case Specification: Email Manager Reports Every Month

Version 1.0

Revision History

Date	Version	Description	Author
10/20/19	1.0	Email Manager Reports Every Month	Cameron Watson

Iteration 3	Version: 1.0
Use Case Specification: Email Manager Reports Every Month	Date: 10/20/19
Rational Use Case Document	

Table of Contents

1. Use-Case Name 1381.1 Brief Description 52. Flow of Events 62.1 Basic Flow 1732.2 Alternative Flows2

2.2.1 < First Alternative Flow > 2

2.2.2 < Second Alternative Flow > 2

3. Special Requirements 63.1 < First Special Requirement > 1594. Pre-conditions 1644.1 < Pre-condition One > 1735. Post-conditions 1195.1 < Post-condition One > 66. Extension Points 2

6.1 <Name of Extension Point> 2

Iteration 3	Version: 1.0
Use Case Specification: Email Manager Reports Every Month	Date: 10/20/19
Rational Use Case Document	

Use Case Specification: Email Manager for Failed Payment

1. Use-Case Name

1.1 Brief Description

The manager will receive an email of reports for number of members, available lockers, machine maintenance needed, and what members are doing while there.

2. Flow of Events

2.1 Basic Flow

1. The staff will track number of members doing what each hour.
2. This will be put into the web server.
3. Machine maintenance and broken machines will be added to the web server.
4. Members who rent a locker usage will be put into the web server.
5. A report of all the data will be put together and sent to the manager.

3. Special Requirements

3.1 First Special Requirement

1. All data must be accurately put into the web server.
2. A report is generated through the web server.
3. An email of the report is sent to the manager

4. Pre-conditions

4.1 Pre-condition One

1. The data must be accurately put into the web server.
2. An automatic report must run once a week.
3. This report must be automatically sent to the manager.

5. Post-conditions

5.1 Post-condition One

1. The email of the report will be sent to the manager.

Use Case Specification: Pay in SRC

Version 1.0

Revision History

Date	Version	Description	Author
19/10/2019	1.0	Pay in SRC Use Case	Marvin Weaver

Table of Contents

1. Use-Case Name 2

1.1 Brief Description 62. Flow of Events 1732.1 Basic Flow 63. Special Requirements 1593.1 < First Special Requirement > 2

4. Pre-conditions 1644.1 < Pre-condition One > 2

5. Post-conditions 1735.1 < Post-condition One > 2

Iteration 3	Version: 1.0
Use Case Specification: Pay in SRC	Date: 19/10/2019
Rational Use Case Diagram	

Use Case Specification: Pay in SRC

1. Pay in SRC

1.1 Brief Description

The pay in SRC use case is a way for actors to pay for their membership fees in person at the SRC. They only need an acceptable form of payment, such as: cash, check, or credit card. The actor in this use case is the SRC member.

2. Flow of Events

2.1 Basic Flow

1.The actor will go to the front desk of the SRC and give the SRC employee a form of identification so they can look them up in the university fitness management system.
2. The employee will tell the actor the amount they owe.
3. The actor gives the employee their form of payment.
4. The employee will input the payment and then give the actor a receipt.

3. Special Requirements

3.1 The actor must have an account with the U of L university fitness management system.

4. Pre-conditions

4.1 The actor must have an acceptable form of payment to pay for their membership in person.

5. Post-conditions

5.1 The actor will no longer owe the SRC money for their membership fees.

Use Case Specification: Pay Online

Version 1.0

Iteration 3	Version: 1.0
Use Case Specification: Pay Online	Date: 19/10/2019
Rational Use Case Diagram	

Revision History

Date	Version	Description	Author
19/10/2019	1.0	Pay Online Use Case	Marvin Weaver

Table of Contents

1. Use-Case Name 2

1.1 Brief Description 62. Flow of Events 1732.1 Basic Flow 62.2 Alternative Flows 1642.2.1 < First Alternative Flow > 1732.2.2 < Second Alternative Flow > 2

3. Special Requirements 1193.1 < First Special Requirement > 2
4. Pre-conditions 64.1 < Pre-condition One > 2
5. Post-conditions 765.1 < Post-condition One > 2

Use Case Specification: Pay Online

1. Pay Online

1.1 Brief Description

The pay online feature allows the actor to pay for all aspects of their membership like their membership fee, locker fee, etc., online. This feature will be available to them on their membership dashboard, on their U of L university fitness management system account.

2. Flow of Events

2.1 Basic Flow

1.Actor will access their membership dashboard.
2. The actor will click on “Pay Online” icon located on dashboard.
3. The actor will have the choice to pay with a PayPal account or be able to input a credit card to pay for the account fees.
4. Then actor will click on the “Finish & Pay” icon located at the bottom of the screen.

2.2 Alternative Flows

2.2.1 First Alternative Flow

The members account has not been verified.

3. Special Requirements

3.1 The actor must be logged into their U of L university fitness management system account.

4. Pre-conditions

4.1 The actor must have an existing membership at the SRC.

5. Post-conditions

5.1 The actor will have paid for their membership fees associated with their U of L university management system account.

Use Case Specification: Renew a Locker

Version 1.0

Revision History

Date	Version	Description	Author
18/10/2019	1.0	Renew a Locker Use Case	Marvin Weaver

Table of Contents

1. Use-Case Name 2

1.1 Brief Description 1732. Flow of Events 62.1 Basic Flow 1593. Special Requirements 1643.1 < First Special Requirement > 2

4. Pre-conditions 1734.1 < Pre-condition One > 2

5. Post-conditions 1195.1 < Post-condition One > 2

Iteration 3	Version: 1.0
Use Case Specification: Renew a Locker	Date: 18/10/2019
Rational Use Case Diagram	

Use Case Specification: Renew a Locker

1. Renew a Locker

1.1 Brief Description

The SRC allows its members to renew their lockers both online and in person at the SRC. A locker renewal is the payment to the SRC to continue renting a locker in the locker room.

2. Flow of Events

2.1 Basic Flow

Online:
-Actor goes the dashboard of the university fitness management system.
-Actor clicks the “Renew a Locker” icon located on the Dashboard.
In SRC:
-Actor goes to front desk and give the front desk employee their identification number.
-Then the actor pays for the locker that they currently have.

3. Special Requirements

3.1 Online:

-Member must be on a web server compatible with the university fitness management system.
In SRC:
-Member must have a form of identification so the front desk employee can find them the system.

4. Pre-conditions

4.1 Online:

-Member must be logged into their university management system account.
In SRC:
-N/A

5. Post-conditions

5.1 The member will be able to renew the locker to which they already have been using.

Use Case Specification: Rent a Locker

Version 1.0

Revision History

Date	Version	Description	Author
09/10/2019	1.0	Rent a Locker Use Case	Marvin Weaver

Table of Contents

1. Use-Case Name 2

1.1 Brief Description 173 2. Flow of Events 6 2.1 Basic Flow 159 3. Special Requirements 164 3.1 < First Special Requirement > 2

4. Pre-conditions 173 4.1 < Pre-condition One > 2

5. Post-conditions 119 5.1 < Post-condition One > 2

Use Case Specification: Rent a Locker

1. Rent a Locker

1.1 Brief Description

The SRC will allow its members to rent lockers physically in the SRC, and online in the new university fitness management system. A member will be able to rent a locker in person by just walking in and talking to an employee of the SRC. They will be able to rent a locker online through visiting the dashboard and clicking on “Rent a Locker.”

2. Flow of Events

2.1 Basic Flow

In SRC:

-The customer will notify the employee they would like to rent a locker.

- The employee will input the customer’s name, address, and ID number.

-The employee will notify the customer which lockers are available to them, whether it be large or small.

-The customer will choose the locker of their need.

Online:

-The actor will login to their account on the SRC’s university fitness management system.

-The actor will open the dashboard.

-The actor will click on the link labeled “Rent a Locker.”

-The actor will choose the locker to which they desire, large or small.

3. Special Requirements

3.1 In SRC:

-N/A

Online:

-Actor must be logged into their U of L university fitness management account.

4. Pre-conditions

4.1 In SRC:

-Give SRC employee your Identification number.

Online:

-Actor must be on the university fitness management dashboard.

5. Post-conditions

5.1 You will be able to choose the locker that best fits your needs at the SRC.

Iteration 3
Use Case Specification: Email Reminder for Expiring Lockers

Version 1.0

Revision History

Date	Version	Description	Author
10/20/19	1.0	Email Reminder for Expiring Lockers	Cameron Watson

Iteration 3	Version: 1.0
Use Case Specification: Email Reminder for Expiring Lockers	Date: 10/20/19
Rational Use Case Document	

Table of Contents

1. Use-Case Name 1381.1 Brief Description 52. Flow of Events 62.1 Basic Flow 1732.2 Alternative Flows2

2.2.1 < First Alternative Flow > 2

2.2.2 < Second Alternative Flow > 2

3. Special Requirements 63.1 < First Special Requirement > 1594. Pre-conditions 1644.1 < Pre-condition One > 1735. Post-conditions 1195.1 < Post-condition One > 66. Extension Points 2

6.1 <Name of Extension Point> 2

Use Case Specification: Email Reminder for Expiring Lockers

1. Use-Case Name

1.1 Brief Description

The member will receive an email of that their locker rental is about to expire and letting them know that a payment is due to continue their rental.

2. Flow of Events

2.1 Basic Flow

1. Member will purchase a locker
2. Member will be matched with an open locker in the web server.
3. Web server will contain expire date.
4. With 30 days until the rental expires an automatic email will be sent to the member.

3. Special Requirements

3.1 First Special Requirement

1. All data must be accurately put into the web server.
2. A list of members within the 30-day period will be pulled into a report from the web server.
3. An automatic email will be sent to these users letting them know they have 30 days left and a new payment is due to continue rental.

4. Pre-conditions

4.1 Pre-condition One

1. The data must be accurately put into the web server.
2. An automatic report must run every day.
3. The members on the report must be automatically sent an email letting them know their locker is about to expire and payment is due.

5. Post-conditions

5.1 Post-condition One

1. The email of the payment needed will be sent to the member2322.

Use Case Specification: Email Manager for Successful Payment

Version 1.0

Revision History

Date	Version	Description	Author
10/20/19	1.0	Email Manager for Successful Payment	Cameron Watson

Table of Contents

1. Use-Case Name 5 1.1 Brief Description 6 2. Flow of Events 173 2.1 Basic Flow 6 2.2 Alternative Flows 2

2.2.1 < First Alternative Flow > 2

2.2.2 < Second Alternative Flow > 2

3. Special Requirements 159 3.1 < First Special Requirement > 164 4. Pre-conditions 173 4.1 < Pre-condition One > 119 5. Post-conditions 6 5.1 < Post-condition One > 76 6. Extension Points 2

6.1 <Name of Extension Point> 2

Use Case Specification: Email Manager for Successful Payment

1. Use-Case Name

1.1 Brief Description

The manager will receive an email of members that have a payment Successful. This is so the manager will be to notify the member they had a Successful payment so the manager can inform the member they can no longer come in unless a successful payment is made

2. Flow of Events

2.1 Basic Flow

1. The member signs up to join the SRC
2. The member makes an online payment
3. The payment is Successful, and the member has not officially joined the SRC
4. An email notification is sent to the manager letting him know the payment has been Successful.
5. The manager notifies the member

3. Special Requirements

3.1 First Special Requirement

1. A payment management system must be in place
2. Email is sent through system accessed through web server

4. Pre-conditions

4.1 Pre-condition One

1. The payment management system must be in place.
2. The management system must notify the web server if a payment is accepted

5. Post-conditions

5.1 Post-condition One

1. The email of a Successful payment will be sent to the manager.

Use Case Specification: Update a Locker

Version 1.0

Iteration 3	Version: 1.0
Use Case Specification: Update a Locker	Date: 18/10/2019
Rational Use Case Diagram	

Revision History

Date	Version	Description	Author
18/10/2019	1.0	Update a Locker Use Case	Marvin Weaver

Table of Contents

1. Use-Case Name 2

1.1 Brief Description 173 2. Flow of Events 6 2.1 Basic Flow 159 2.2 Alternative Flows 164 2.2.1 < First Alternative Flow > 173 3. Special Requirements 119 3.1 < First Special Requirement > 2

4. Pre-conditions 6 4.1 < Pre-condition One > 2

5. Post-conditions 76 5.1 < Post-condition One > 2

Use Case Specification: Update a Locker

1. Update a Locker

1.1 Brief Description

The SRC has a variety of different types of lockers that are at their members disposal. This use case is the breakdown of how to change from one locker type to another (Ex. a full size to a half size).

2. Flow of Events

2.1 Basic Flow

1.The actor goes to the dashboard and clicks on "Rent a Locker"
2.The actor scrolls through their choices of lockers
3.The actor changes their locker from their current locker to the new locker option that best fits their needs.
4. The actor will then be able to change lockers at the end of their current payment cycle.

2.2 Alternative Flows

2.2.1 First Alternative Flow

If the actor chooses to update their locker in the SRC all they will have to do is go to the front desk and identify their membership. The SRC employee will take care of the rest for the member. All they have to do is choose the locker they desire.

3. Special Requirements

3.1 The actor must be in association with their U of L university fitness management system account.

4. Pre-conditions

4.1 The actor must already be paying for a locker at the SRC.

5. Post-conditions

5.1 The actor will be able to use the new locker they have chosen.

Use Case Specification: Act of Counting Population

Version 1.0

Revision History

Date	Version	Description	Author
21/10/2019	1.0	Initial writing of use case.	Michel, Matthew

Table of Contents

1.Act of Counting Population 4

1.1Brief Description 4

2.Flow of Events 4

2.1Basic Flow 4

3.Special Requirements 4

3.1Proper Login Credentials 4

4.Pre-conditions 4

4.1System Up and Working 4

5.Post-conditions 4

5.1Form Submission 4

6.Extension Points 4

6.1Extension Point from Selecting Count sheet 5

Use Case Specification: Act of Counting Population

1. Use-Case Name

1.1. Brief Description

The Act of Counting Population requires physically moving around the different areas of the SRC and counting the amount of people in each location based on gender and ethnicity.

2. Flow of Events

2.1. Basic Flow

The use case begins when the actor selects an area to start counting on the website and pulls up the web form. The web form will pull up the different rows and columns that need to be filled out by the actor for the area that has been selected.

The actor will input the number of people that are currently in the selected area categorized by gender and ethnicity. The only information being collected is the amount of people, those people's genders, and their ethnicity.

A different ‘count sheet’ will be shown for each section of the src.

3. Special Requirements

In order to view the count sheet for each area, the SRC Staff member will need access to the internet and will need the proper login credentials to access the web form. This web form will be accessed through an iPad owned by the SRC.

3.1. Proper Login Credentials

3.1.1. The SRC Staff member will need to have the proper login credentials in order to view the count sheet for the area they are counting. Each SRC Staff member should be given a username and password that will allow them to enter into the website and view the related form for the count sheet in each area of the SRC.

3.2. iPad with internet connection

3.2.1. The SRC staff member will need an iPad and a connection to the internet in order to be able to access the forms for each area of the SRC.

4. Pre-conditions

4.1. System Up and Working

4.1.1. The system will need to be in proper working order for the SRC Staff to be able to access the forms on the website.

5. Post-conditions

5.1. Form Submission

5.1.1. After the form has been submitted, it will be placed in the CMS for future viewing. The system will be in a stable state after the form has been submitted.

6. Extension Points

6.1. Extension Point from Selecting Count Sheet

This use cases does not have any extension points, but, rather, is an extension point from the use case names “Selecting Count Sheet by Area”.

Iteration 3
Use Case Specification: Fill Out The Maintenance

Form

Version 1.0

Revision History

Date	Version	Description	Author
21/10/2019	1.0	Initial writing of use case.	Michel, Matthew

Table of Contents

1.Act of Counting Population 4

1.1Brief Description 4

2.Flow of Events 4

2.1Basic Flow 4

3.Special Requirements 4

3.1Proper Login Credentials 4

4.Pre-conditions 4

4.1System Up and Working 4

5.Post-conditions 4

5.1Form Submission 4

6.Extension Points 4

6.1Extension Point from Selecting Count sheet 4

Use Case Specification: Fill Out The Maintenance Form

1. Fill Out The Maintenance Form

1.1. Brief Description

1.1.1. The act of filling out the maintenance form requires inspecting the machine at the SRC and taking note of what needs to be fixed or marking the machine as 'proper working order.' This process will need to be completed a variable amount of time apart or depending on whether complaints have been made about a specific machine.

2. Flow of Events

2.1. Basic Flow

The use case begins when the actor selects a machine to perform maintenance on and has already pulled up the editable form for the machine. The actor will then check the machine and input the proper information into the form before the form is submitted.

3. Special Requirements

3.1. Access to the system

3.1.1. In order to access the forms, the user must be logged in to a properly permissioned account on the SRC website. This account will have access to each count sheet form for each area of the SRC.

3.2. Access to the internet

3.2.1. The iPad will need access to the internet in order to view and edit the count sheet forms.

4. Pre-conditions

4.1. System Up and Working

4.1.1. The system will need to be in proper working order for the SRC Staff to be able to access the forms on the website.

5. Post-conditions

5.1. Form Submission

5.1.1. After the form has been submitted, it will be placed in the CMS for future viewing. The system will be in a stable state after the form has been submitted.

6. Extension Points

6.1. Extension Point from Selecting Count Sheet

This use cases does not have any extension points, but, rather, is an extension point from the use case named "Pull Up Maintenance Sheet By Machine".

Use Case Specification: Pull Up Maintenance Sheet By Machine

Version 1.0

Revision History

Date	Version	Description	Author
21/10/2019	1.0	Initial Publication	Michel, Matthew

Table of Contents

1. Use-Case Name 4
   1.1 Brief Description 4
2. Flow of Events 4
   2.1 Basic Flow 4
3. Special Requirements 4
   3.1 Access to the system 4
   3.2 Access to the internet 4
4. Pre-conditions 4
   4.1 System Up and Working 4
5. Post-conditions 4
   5.1 Form is editable 4
6. Extension Points 4
   6.1 Fill Out The Maintenance Form 4

Use Case Specification: Pull Up Maintenance Sheet By Machine

1. Pull Up Maintenance Sheet By Machine

1.1 This use case will be triggered when an SRC Employee selects a machine to perform normal maintenance duties or check-ups on.

2. Flow of Events

2.1 Basic Flow

2.1.1 The basic flow begins when the actor (SRC Employee) chooses a machine to perform a maintenance check on. A list of the machines will show up if the user has the proper credentials, and then when the user selects the machine, that machines maintenance form will show up to be edited.

3. Special Requirements

3.1 Access to the system

3.1.1 In order to access the forms, the user must be logged in to a properly permissioned account on the SRC website. This account will have access to each maintenance form for each machine at the SRC.

3.2 Access to the internet

3.2.1 The iPad will need access to the internet in order to view and edit the maintenance forms.

4. Pre-conditions

4.1 System Up and Working

4.1.1 The system will need to be in proper working order for the SRC Staff to be able to access the forms on the website.

5. Post-conditions

5.1 Form is editable

5.1.1 After the form has been selected and the proper requirements are met, the correct form will show up to be edited by an SRC Staff member.

6. Extension Points

6.1 Fill Out The Maintenance Form

6.1.1 Once the form has been pulled up and is in the editable state, the “Fill Out The Maintenance Form” use case will initiate and will produce the contents to fill out the editable form.

Use Case Specification: Selecting Count Sheet By Area

Version 1.0

Revision History

Date	Version	Description	Author
21/10/2019	1.0	Initial Publication	Michel, Matthew

Table of Contents

1. Use-Case Name 4
   1.1 Brief Description 4
2. Flow of Events 4
   2.1 Basic Flow 4
3. Special Requirements 4
   3.1 Access to the system 4
   3.2 Access to the internet 4
4. Pre-conditions 4
   4.1 System Up and Working 4
5. Post-conditions 4
   5.1 Form is editable 4
6. Extension Points 4
   6.1 Act of Counting Population 4

Use Case Specification: Selecting Count Sheet By Area

1. Selecting Count Sheet By Area

1.1 This use case will be triggered when an SRC Employee enters an area of the SRC to count who is currently using the equipment in that area.

2. Flow of Events

2.1 Basic Flow

2.1.1 The basic flow begins when the actor (SRC Employee) enters an area to begin counting the number of members that are currently using the machines in the area. The actor will select which area they have entered. Inside the system, this will generate a new item that is tagged with the area and the date as metadata elements to distinguish the form from other areas and other dates. The form will then be shown to the user and a new use case "Act of counting population" will kick off.

3. Special Requirements

3.1 Access to the system

3.1.1 In order to access the forms, the user must be logged in to a properly permissioned account on the SRC website. This account will have access to each count sheet form for each area of the SRC.

3.2 Access to the internet

3.2.1 The iPad will need access to the internet in order to view and edit the count sheet forms.

4. Pre-conditions

4.1 System Up and Working

4.1.1 The system will need to be in proper working order for the SRC Staff to be able to access the forms on the website.

5. Post-conditions

5.1 Form is editable

5.1.1 After the form has been selected and the proper requirements are met, the correct form will show up to be edited by an SRC Staff member.

6. Extension Points

6.1 Act of Counting Population

6.1.1 Once the form has been pulled up and is in the editable state, the "Act of Counting Population" use case will initiate and will produce the contents to fill out the editable form.

Use Case Specification: Backup Content of Site

Version 1.0

Revision History

Date	Version	Description	Author
10/15/19	1.0	Back Up Content of Site	Jessie Hehn

Table of Contents

1. Use-Case Name 6 1.1 Brief Description 173 2. Flow of Events 6 2.1 Basic Flow 159 2.2 Alternative Flows 164 2.2.1 < First Alternative Flow > 4
2.2.2 < Second Alternative Flow > 4
3. Special Requirements 6 3.1 < First Special Requirement > 76 4. Pre-conditions 11 4.1 < Pre-condition One > 4
5. Post-conditions 7 5.1 < Post-condition One > 4

Use Case Specification: Backup Content of Site

1. Use-Case Name

1.1 Brief Description

The staff member or manager will have the ability to back up the content on the SRC website These daily backups will be manually started at the end of every business day. There is.an option for manual backups if necessary.

2. Flow of Events

2.1 Basic Flow

1. The database will automatically back up the website at the end of each business day

2.2 Alternative Flows

2.2.1 Alternative Flow

1a. The primary actor will back up the data manually

2.. The primary actor will access website

3. The primary actor will access the settings

4. The primary actor will select “backup content” button

5. The back up on the website will begin

5. A message will be displayed once the content has finished backing up

3. Special Requirements

3.1 First Special Requirement

1. Backup accessed through website

4. Pre-conditions

4.1 The primary actor must be logged into the database

5. Post-conditions

5.1 The website will automatically update at the end of each business day even if done manually during the day

Iteration 3
Use Case Specification: Back Up Databases

Version 1.0

Revision History

Date	Version	Description	Author
10/15/19	1.0	Back Up Databases	Jessie Hehn

Table of Contents

1. Use-Case Name 6 1.1 Brief Description 173 2. Flow of Events 6 2.1 Basic Flow 159 2.2 Alternative Flows 164 2.2.1 < First Alternative Flow > 4
2.2.2 < Second Alternative Flow > 4
3. Special Requirements 6 3.1 < First Special Requirement > 76 4. Pre-conditions 11 4.1 < Pre-condition One > 4
5. Post-conditions 7 5.1 < Post-condition One > 4

Use Case Specification: Back Up Databases

1. Use-Case Name

1.1 Brief Description

The staff member or manager will have the ability to back up databases. These daily backups will be manually started at the end of every business day. There is.an option for manual backups if necessary.

2. Flow of Events

2.1 Basic Flow

1. The database will automatically back up data at the end of each business day

2.2 Alternative Flows

2.2.1 Alternative Flow

1a. The primary actor will back up the data manually

2.. The primary actor will access the database

3. The primary actor will select the “Back Up data” button

4. The database will begin back up

5. A message will be displayed once the data has finished backing up

3. Special Requirements

3.1 First Special Requirement

1. Back up accessed through database

4. Pre-conditions

4.1 The primary actor must be logged into the database

5. Post-conditions

5.1 The database will automatically update at the end of each business day even if done manually during the day

Iteration 3

Use Case Specification: Report Expiring Membership Data

Version 1.0

Revision History

Date	Version	Description	Author
10/15/19	1.0	Report Expiring Membership Data	Jessie Hehn

Table of Contents

1. Use-Case Name 4
   - 1.1 Brief Description 4

2. Flow of Events 4
   - 2.1 Basic Flow 4
   - 2.2 Alternative Flows 4
     - 2.2.1 < First Alternative Flow > 4

3. Special Requirements 4
   - 3.1 < First Special Requirement > 4

4. Pre-conditions 4
   - 4.1 < Pre-condition One > 4
   - 4.2 < Pre-condition Two > 4

5. Post-conditions 5
   - 5.1 < Post-condition One >5

Use Case Specification: Report Expiring Membership Data

1. Use-Case Name

1.1 Brief Description

The staff member or manager will have the ability to report expiring membership data. These reports will update at 3:00 am before the gym opens to provide accurate membership expiration dates..

2. Flow of Events

2.1 Basic Flow

1. The primary actor will access the membership database.
2. The primary actor clicks on the button “Report Expiring Memberships”
3. The report will open in a separate tab
4. The primary actor sorts the data by date
5. The report will show the data by upcoming dates at the top.

2.2 Alternative Flows

2.2.1 Alternative Flow

4a. The primary actor can sort the data by last name A-Z or Z-A

5a. The report will show the data filtered by last name A-Z or Z-A

3. Special Requirements

3.1 First Special Requirement

1. Report accessed through database

4. Pre-conditions

4.1 The primary actor must be logged into the database

4.2 The time must be after 3:00 am to display accurate reports

5. Post-conditions

5.1 The database will update at 3:00 am.

Iteration 3

Use Case Specification: Recover Content of Site

Version 1.0

Revision History

Date	Version	Description	Author
10/15/19	1.0	Recover Content of Site	Jessie Hehn

Table of Contents

1. Use-Case Name 6 1.1 Brief Description 173 2. Flow of Events 6 2.1 Basic Flow 4
3. Special Requirements 6 3.1 < First Special Requirement > 76 4. Pre-conditions 11 4.1 < Pre-condition One > 4
5. Post-conditions 7 5.1 < Post-condition One > 4

Use Case Specification: Recover Content of Site

1. Use-Case Name

1.1 Brief Description

The staff member or manager will have the ability to recover the content on the SRC website This recovery will be done manually.

2. Flow of Events

2.1 Basic Flow

1. The primary actor will access the website
2. The primary actor will access the settings
3. The primary actor will select the “Recover” button
4. The website will recover the content that was last updated as of 3:00 am that morning

3. Special Requirements

3.1 First Special Requirement

1. Recover accessed through the website

4. Pre-conditions

4.1 The primary actor must be logged into the website

5. Post-conditions

5.1 The website will be showing the recovered content as of 3:00 am that morning

Use Case Specification: Recover Databases

Version 1.0

Revision History

Date	Version	Description	Author
10/15/19	1.0	Recover Databases	Jessie Hehn

Table of Contents

1. Use-Case Name 6 1.1 Brief Description 173 2. Flow of Events 6 2.1 Basic Flow 4
3. Special Requirements 6 3.1 < First Special Requirement > 76 4. Pre-conditions 11 4.1 < Pre-condition One > 4
5. Post-conditions 7 5.1 < Post-condition One > 4

Use Case Specification: Recover Databases

1. Use-Case Name

1.1 Brief Description

The staff member or manager will have the ability to recover the databases. This recovery will be done manually.

2. Flow of Events

2.1 Basic Flow

1. The primary actor will access the database
2. The primary actor will select the "Recover" button
3. The website will recover the data that was last updated as of 3:00 am that morning

3. Special Requirements

3.1 First Special Requirement

1. Recover accessed through the database

4. Pre-conditions

4.1 The primary actor must be logged into the database

5. Post-conditions

5.1 The website will be showing the recovered data as of 3:00 am that morning

Use Case Specification: Report All Locker Data

Version 1.0

Iteration 3	Version: 1.0
Use Case Specification: Report All Locker Data	Date: 10/15/19
Rational Use Case Document	

Revision History

Date	Version	Description	Author
10/15/19	1.0	Report All Locker Data	Jessie Hehn

Table of Contents

1. Use-Case Name 6 1.1 Brief Description 173 2. Flow of Events 6 2.1 Basic Flow 159 2.2 Alternative Flows 164 2.2.1 < First Alternative Flow > 4
2.2.2 < Second Alternative Flow > 4

3. Special Requirements 6 3.1 < First Special Requirement > 76 4. Pre-conditions 5
4.1 < Pre-condition One > 5
4.2 < Pre-condition Two > 5
5. Post-conditions 7 5.1 < Post-condition One > 5

Use Case Specification: Report All Locker Data

1. Use-Case Name

1.1 Brief Description

The staff member or manager will have the ability to report all locker data. These reports will update at 3:00 am before the gym opens to provide accurate locker data.

2. Flow of Events

2.1 Basic Flow

1. The primary actor will access the locker database.
2. The primary actor clicks on the button “Report All Lockers”
3. The report will open in a separate tab
4. The primary actor sorts the data by date
5. The report will show the data by longest locker rentals at the top and most recent locker rentals at the bottom

2.2 Alternative Flows

2.2.1 Alternative Flow

4a. The primary actor can sort the data by last name A-Z or Z-A

5a. The report will show the data filtered by last name A-Z or Z-A

2.2.2 Alternative Flow

4a. The primary actor can filter the data by locker size small or large

5a. The report will show the data filtered by locker size small or large

3. Special Requirements

3.1 First Special Requirement

1. Report accessed through database

4. Pre-conditions

4.1 The primary actor must be logged into the database

4.2 The time must be after 3:00 am to display accurate reports

5. Post-conditions

5.1 The database will update at 3:00 am.

Iteration 3
Use Case Specification: Report Count

Sheet Data
Version 1.0

Revision History

Date	Version	Description	Author
10/15/19	1.0	Report Count Sheet Data	Jessie Hehn

Table of Contents

1. Use-Case Name 6 1.1 Brief Description 173 2. Flow of Events 6 2.1 Basic Flow 159 2.2 Alternative Flows 164 2.2.1 < First Alternative Flow > 4
3. Special Requirements 6 3.1 < First Special Requirement > 76 4. Pre-conditions 11 4.1 < Pre-condition One > 4
4.1 < Pre-condition Two > 4
5. Post-conditions 7 5.1 < Post-condition One > 4

Use Case Specification: Report Count Sheet Data

1. Use-Case Name

1.1 Brief Description

The staff member or manager will have the ability to report count sheet data. These reports will update at 3:00 am before the gym opens to provide accurate locker data.

2. Flow of Events

2.1 Basic Flow

1. The primary actor will access the count sheet database.
2. The primary actor clicks on the button "Report Count Sheet"
3. The report will open in a separate tab
4. The primary actor sorts the data by date
5. The report will show the data by date chosen

2.2 Alternative Flows

2.2.1 Alternative Flow

4a. The primary actor can sort the data by area of gym selected

5a. The report will show the data filtered by area of gym selected

3. Special Requirements

3.1 First Special Requirement

1. Report accessed through database

4. Pre-conditions

4.1 The primary actor must be logged into the database

4.2 The time must be after 3:00 am to display accurate reports

5. Post-conditions

5.1 The database will update at 3:00 am.

Use Case Specification: Report Expiring Locker Data

Version 1.0

Revision History

Date	Version	Description	Author
10/15/19	1.0	Report Expiring Locker Data	Jessie Hehn

Table of Contents

1. Use-Case Name 6 1.1 Brief Description 173 2. Flow of Events 6 2.1 Basic Flow 159 2.2 Alternative Flows 164 2.2.1 < First Alternative Flow > 4
3. Special Requirements 6 3.1 < First Special Requirement > 76 4. Pre-conditions 11 4.1 < Pre-condition One > 7
4.2 < Pre-condition Two > 4
5. Post-conditions 7 5.1 < Post-condition One > 4

Iteration 3	Version: 1.0
Use Case Specification: Report Expiring Locker Data	Date: 10/15/19
Rational Use Case Document	

Use Case Specification: Report Expiring Locker Data

1. Use-Case Name

1.1 Brief Description

The staff member or manager will have the ability to report all expiring locker data. These reports will update at 3:00 am before the gym opens to provide accurate locker data.

2. Flow of Events

2.1 Basic Flow

1. The primary actor will access the locker database.
2. The primary actor clicks on the button “Report Expiring Lockers”
3. The report will open in a separate tab
4. The primary actor sorts the data by date
5. The report will show the data by upcoming dates at the top

2.2 Alternative Flows

2.2.1 Alternative Flow

4a. The primary actor can sort the data by last name A-Z or Z-A

5a. The report will show the data sorted by last name A-Z or Z-A

3. Special Requirements

3.1 First Special Requirement

1. Report accessed through database

4. Pre-conditions

4.1 The primary actor must be logged into the database

4.2 The time must be after 3:00 am to display accurate reports

5. Post-conditions

5.1 The database will update at 3:00 am.

Iteration 3

Use Case Specification: Report Maintenance Data

Version 1.0

Revision History

Date	Version	Description	Author
10/15/19	1.0	Report Maintenance Data	Jessie Hehn

Table of Contents

1. Use-Case Name 61.1 Brief Description 1732. Flow of Events 62.1 Basic Flow 1592.2 Alternative Flows1642.2.1 < First Alternative Flow > 4
3. Special Requirements 63.1 < First Special Requirement > 764. Pre-conditions 114.1 < Pre-condition One > 4
4.1 < Pre-condition Two > 4
5. Post-conditions 75.1 < Post-condition One > 4

Iteration 3	Version: 1.0
Use Case Specification: Report Maintenance Data	Date: 10/15/19
Rational Use Case Document	

Use Case Specification: Report Maintenance Data

1. Use-Case Name

1.1 Brief Description

The staff member or manager will have the ability to report maintenance sheet data. These reports will update at 3:00 am before the gym opens to provide accurate locker data.

2. Flow of Events

2.1 Basic Flow

1. The primary actor will access the maintenance database.
2. The primary actor clicks on the button “Report Maintenance Data”
3. The report will open in a separate tab
4. The primary actor sorts the data by date
5. The report will show the data by date chosen

2.2 Alternative Flows

2.2.1 Alternative Flow

4a. The primary actor can sort the data by machine selected

5a. The report will show the data filtered by machine selected

3. Special Requirements

3.1 First Special Requirement

1. Report accessed through database

4. Pre-conditions

4.1 The primary actor must be logged into the database

4.2 The time must be after 3:00 am to display accurate reports

5. Post-conditions

5.1 The database will update at 3:00 am.

Use Case Specification: Create a New Member in House

Version <1.0>

Revision History

Date	Version	Description	Author
21/10/2019	1.0	Initial writing of the use case	Bennett, Jenna

Iteration 3	Version: <1.0>
Use Case Specification: Create a New Member (SRC)	Date: 21/10/2019
Ration Use Case Diagram	

Table of Contents

1. Act of Creating a New Member (SRC) 2

1.1 Brief Description 62. Flow of Events 1732.1 Basic Flow 1593. Special Requirements 2

3.1 Computer Connection

3.2 Vaildate Customer Information 1734. Pre-conditions 1194.1 System Up and Working 65. Post-conditions 765.1 Application Sumbission 2

6. Extension Points 11 6.1 Extension Point from filling Application 2

Iteration 3	Version: <1.0>
Use Case Specification: Create a New Member (SRC)	Date: 21/10/2019
Ration Use Case Diagram	

Use Case Specification: Creating a New Member (SRC)

1. Creating a New Member (SRC)

1.1 Brief Description

The Act of Creating a New Member requires a physically written filled out document. Then proceed to enter customer information on application on the SRC CRM system. An actor has the ability to create a member profile SRC CRM system. They'll be able to do this via SRC desktop.

2. Flow of Events

2.1 Basic Flow

The Use Case begins after the member has filled out the hard copy of the membership application.

The Actor will then take that hard copy with the provide information.

The actor will use their login credentials and sing into the CRM system.

The actor will click on members

The Actor will then click the create new action button provide on the display.

The Actor will be guided to the web-based application form.

The Actor will fill our appropriate member information consisting of, First Name, Last Name, Address, Email, Date of Birth, Occupation, and ethnicity. Alternative Flows.

Once Competed the Actor will press submit at the bottom of the display.

System will validate the information and return a confirmation display.

End of the use case.

3. Special Requirements

In order to view the Login Landing Page. The actor must click the correct action button "Login" on SRC CRM System.

3.1 Computer Connection

The actor's internet connection must be adequate. Allowing the actor to access the SRC CRM

3.2 Validate Customer Information

The actor's information input provided by the member must be correct to proceed.

4. Pre-conditions

4.1 System Up and Working

The system will need to be in proper working order for the SRC Staff to be able to access the forms the CRM.

5. Post-conditions

5.1 Form Submission

Once use is complete the CRM System will display the confirmation of New Member Message.

6. Extension Points

This use case does not have any extension points

Iteration 3
Use Case Specification: Create a New Member (Online)
Version <1.0>

Revision History

Date	Version	Description	Author
21/10/2018	1.0	Initial writing of the use case	Bennet, Jenna

Iteration 3	Version: <1.0>
Use Case Specification: Create a new member (Online)	Date: 21/10/2019
Rational Use Case Diagram	

Table of Contents

1. Act of Creating a New Memeber 2
   1.1 Brief Description 62. Flow of Events 1732.1 Basic Flow 2

3. Special Requirements 2
   3.1 Computer Connection
   3.2 Vaildate Customer Information 1734. Pre-conditions 1194.1 System Up and Working
   65. Post-conditions 765.1 Application Sumbission 2
   6. Extension Points 116.1 Extension Point from filling Application 2

Use Case Specification: Act of Creating a New Member (Online)

1. Creating a New Member (Online)

1.1 Brief Description

The Act of Creating a New Member requires physically entering customer information on application on the SRC sit. An actor has the ability to create a member profile online through the website for the SRC. They'll be able to do this via smartphone or desktop.

2. Flow of Events

2.1 Basic Flow

The use case begins when the actor selects the SRC login action button on the online website.

The website will pull up the login screen.

The actor will navigate to the bottom and select "Not a member? Click Here".

The website will guide the actor to the New Member Application.

The actor will input the user information consisting of, First Name, Last Name, Address, Email, Date of Birth, Occupation, and ethnicity.

Once actor has filled out all required spaces, the actor will select submit.

The website will validate the information.

If a given field is left empty or information is not valid and error message asking for correction will be displayed.

End of the use case.

3. Special Requirements

In order to view the Login Landing Page. The actor must click the correct action button "Login" on SRC website.

3.1 Computer Connection

The actor's internet connection must be adequate. Allowing the actor to access the SRC website.

3.2 Validate Customer Information

The actor's information input must be correct to proceed.

4. Pre-conditions

4.1 System Up and Working

The system will need to be in proper working order for the SRC Staff to be able to access the forms on the website.

5. Post-conditions

5.1 Form Submission

Once use is complete the website will display the confirmation of New Member Message.

6. Extension Points

This use case does not have any extension points.

Iteration 3
Use Case Specification: Edit a member

Version <1.0>

Iteration 3	Version: <1.0>
Use Case Specification: Edit a member	Date: 21/10/2019
Ration Use Case Diagram	

Revision History

Date	Version	Description	Author
21/10/2019	1.0	Initial writing of the use case	Bennett, Jenna

Iteration 3	Version: <1.0>
Use Case Specification: Edit a member	Date: 21/10/2019
Ration Use Case Diagram	

Table of Contents

1. Act of Editing a member 2

1.1 Brief Description 62. Flow of Events 1732.1 Basic Flow 1593. Special Requirements 2

3.1 Computer Connection

3.2 Vaildate Customer Information 1734. Pre-conditions 1194.1 System Up and Working

65. Post-conditions 765.1 Application Sumbission 2

6. Extension Points 11 6.1 Extension Point from filling Application 2

Iteration 3	Version: <1.0>
Use Case Specification: Edit a member	Date: 21/10/2019
Ration Use Case Diagram	

Use Case Specification: Edit a member

1. Edit a member (SRC)

1.1 Brief Description

The Act of Editing a member requires login credentials and a valid account with the SRC to change any information regarding the members account.

1.2 Basic Flow

The Use Case begins actor has logged into the SRC CRM system

The Actor will navigate to members.

The actor will search/find the corresponding member name.

The actor will click on the member.

The Actor will then click edit located on the display.

The Actor will be guided to through the link to the edit document form.

The Actor will fill be able to edit the appropriate member information consisting of, First Name, Last Name, Address, Email, and payment information.

Once Competed the Actor will press submit at the bottom of the display.

System will validate the information and return a confirmation display.

End of the use case.

2. Special Requirements

In order to view the Login Landing Page. The actor must click the correct action button “Login” on SRC CRM System.

The actor must have valid login credentials for the SRC CRMs sytem.

2.1 Computer Connection

The actor’s internet connection must be adequate. Allowing the actor to access the SRC CRM

3.2 Validate Customer Information

The actor’s information input provided by the member must be correct to proceed.

3. Pre-conditions

3.1 System Up and Working

The system will need to be in proper working order for the SRC Staff to be able to access the forms the CRM.

4. Post-conditions

4.1 Form Submission

Once use is complete the CRM System will display the confirmation of Updated Member Message.

5. Extension Points

This use case does not have any extension points.

Use Case Specification: Updating a member

Version <1.0>

Iteration 3	Version: <1.0>
Use Case Specification: Updating a Memeber	Date: 21/10/2019
Ration Use Case Diagram	

Revision History

Date	Version	Description	Author
21/10/2019	1.0	Initial writing of the use case	Bennett, Jenna

Iteration 3	Version: <1.0>
Use Case Specification: Updating a Memeber	Date: 21/10/2019
Ration Use Case Diagram	

Table of Contents

1. Act of Updating a member 2

1.1 Brief Description 62. Flow of Events 1732.1 Basic Flow 1593. Special Requirements 2

3.1 Computer Connection

3.2 Vaildate Customer Information 1734. Pre-conditions 1194.1 System Up and Working

65. Post-conditions 765.1 Application Sumbission 2

6. Extension Points 11 6.1 Extension Point from filling Application 2

Iteration 3	Version: <1.0>
Use Case Specification: Updating a member	Date: 21/10/2019
Ration Use Case Diagram	

Use Case Specification: Updating a member

6. Updating a Member (SRC)

6.1 Brief Description

The Act of Updating a member requires login credentials and a valid account with the SRC to change any information regarding the members account.

6.2 Basic Flow

The Use Case begins actor has logged into the SRC CRM system

The Actor will navigate to members.

The actor will search/find the corresponding member name.

The actor will click on the member.

The Actor will then click edit located on the display.

The Actor will be guided to through the link to the Update document form.

The Actor will fill be able to edit the appropriate member information consisting of, First Name, Last Name, Address, Email, and payment information.

Once Competed the Actor will press submit at the bottom of the display.

System will validate the information and return a confirmation display.

End of the use case.

7. Special Requirements

In order to view the Login Landing Page. The actor must click the correct action button “Login” on SRC CRM System.

The actor must have valid login credentials for the SRC CRMs sytem.

7.1 Computer Connection

The actor’s internet connection must be adequate. Allowing the actor to access the SRC CRM

3.2 Validate Customer Information

The actor’s information input provided by the member must be correct to proceed.

8. Pre-conditions

8.1 System Up and Working

The system will need to be in proper working order for the SRC Staff to be able to access the forms the CRM.

9. Post-conditions

9.1 Form Submission

Once use is complete the CRM System will display the confirmation of Updated Member Message.

10. Extension Points

This use case does not have any extension points.

Use Case Specification: Login Action

Version <1.0>

Revision History

Date	Version	Description	Author
21/10/2019	1.0	Initial writing of the use case	Bennett, Jenna

Table of Contents

1. Act of Logging-in 2

1.1 Brief Description 62. Flow of Events 1732.1 Basic Flow 2

3. Special Requirements 2

3.1 Computer Connection

3.2 Vaildate Customer Information 1644. Pre-conditions 1734.1 System Up and Working

1195. Post-conditions 65.1 Application Sumbission 2

6. Extension Points 76 6.1 Extension Point from filling Application 2

Iteration 3	Version: <1.0>
Use Case Specification: Logging-in	Date: 21/10/2019
Ration Use Case Diagram	

Use Case Specification: Log-in

1. Log-in (SRC)

1.1 Brief Description

The Act of Logging-in a Member is required to have valid credentials, as well as appropriate access to the internet to be able to login to their SRC account.

2. Flow of Events

2.1 Basic Flow

The Use Case begins with the actor going to the SRC website.

The Actor will then click login located on the display

The actor will use their login credentials to fill out the required field on the display

The actor will click login once complete

System will validate the information to proceed to login.

End of the use case.

3. Special Requirements

In order to view the Login Landing Page. The actor must click the correct action button “Login” on SRC CRM System.

3.1 Computer Connection

The actor’s internet connection must be adequate. Allowing the actor to access the SRC CRM

3.2 Validate Customer Information

The actor’s information input provided by the member must be correct to proceed.

4. Pre-conditions

4.1 System Up and Working

The system will need to be in proper working order for the SRC Staff to be able to access members account.

5. Post-conditions

5.1 Confirmation

Once login successful the display will guide actor to the dashboard.

6. Extension Points

This use case does not have any extension points.

Iteration 3
Use Case Specification: Updating a member (online)

Version <1.0>

Revision History

Date	Version	Description	Author
21/10/2019	1.0	Initial writing of the use case	Bennett, Jenna

Iteration 3	Version: <1.0>
Use Case Specification: Updating a Memeber (online)	Date: 21/10/2019
Ration Use Case Diagram	

Table of Contents

1. Act of Updating a member(online) 2

1.1 Brief Description 62. Flow of Events 1732.1 Basic Flow 1593. Special Requirements 2

3.1 Computer Connection

3.2 Vaildate Customer Information 1734. Pre-conditions 1194.1 System Up and Working

65. Post-conditions 765.1 Application Sumbission 2

6. Extension Points 11 6.1 Extension Point from filling Application 2

Iteration 3	Version: <1.0>
Use Case Specification: Updating a member (online)	Date: 21/10/2019
Ration Use Case Diagram	

Use Case Specification: Updating a member (online)

11. Updating a Member (online)

11.1 Brief Description

The Act of Canceling requires login credentials and a valid account with the SRC to change any information regarding the members account.

11.2 Basic Flow

The Use Case begins actor has logged into the SRC CRM system

From the sidebar the actor will select members

The actor will located desired member name.

The actor will located the edit button, click.

The actor will be directed to the member application.

At the bottom the actor will click cancel membership

The system will two step authenticate this request with a confirmation message display.

System will validate the information and return a confirmation display.

End of the use case.

12. Special Requirements

In order to view the Login Landing Page. The actor must click the correct action button “Login” on SRC website.

The actor must have level security to perform use case.

The actor must have valid login credentials for the SRC website.

12.1 Computer Connection

The actor’s internet connection must be adequate. Allowing the actor to access the SRC CRM

3.2 Validate Customer Information

The actor’s information input provided by the member must be correct to proceed.

13. Pre-conditions

13.1 System Up and Working

The system will need to be in proper working order for the SRC Staff to be able to access the forms the CRM.

14. Post-conditions

14.1 Form Submission

Once use case is complete the SRCSystem will display the confirmation of Canceled Membership.

15. Extension Points

This use case does not have any extension points.

Use Case Specification: Canceling a Membership

Version <1.0>

Revision History

Date	Version	Description	Author
21/10/2019	1.0	Initial writing of the use case	Bennett, Jenna

Iteration 3	Version: <1.0>
Use Case Specification: Canceling a Membership	Date: 21/10/2019
Ration Use Case Diagram	

Table of Contents

1. Act of canceling a membership 2

1.1 Brief Description 62. Flow of Events 1732.1 Basic Flow 1593. Special Requirements 2

3.1 Computer Connection

3.2 Vaildate Customer Information 1734. Pre-conditions 1194.1 System Up and Working

65. Post-conditions 765.1 Application Sumbission 2

6. Extension Points 11 6.1 Extension Point from filling Application 2

Iteration 3	Version: <1.0>
Use Case Specification: Canceling a Membership	Date: 21/10/2019
Ration Use Case Diagram	

Use Case Specification: Canceling a Membership

16. Canceling a Membership

16.1 Brief Description

The Act of Updating a member requires login credentials and a valid account with the SRC to change any information regarding the members account.

16.2 Basic Flow

The Use Case begins actor has logged into the SRC website

The Actor will navigate to login

The actor will input valid login credentials

If valid the system will display the member dashboard

The actor will click edit user information located on sidebar

The system will display the original member form application.

The actor has the ability to change desired information

Once the actor is satisfied with the updates, the actor will click submit at the bottom of the page.

System will validate the information and return a confirmation display.

End of the use case.

17. Special Requirements

In order to view the Login Landing Page. The actor must click the correct action button “Login” on SRC website

The actor must have valid login credentials for the SRC website.

17.1 Computer Connection

The actor’s internet connection must be adequate. Allowing the actor to access the SRC CRM

3.2 Validate Customer Information

The actor’s information input provided by the member must be correct to proceed.

18. Pre-conditions

18.1 System Up and Working

The system will need to be in proper working order for the SRC Staff to be able to access the forms the CRM.

19. Post-conditions

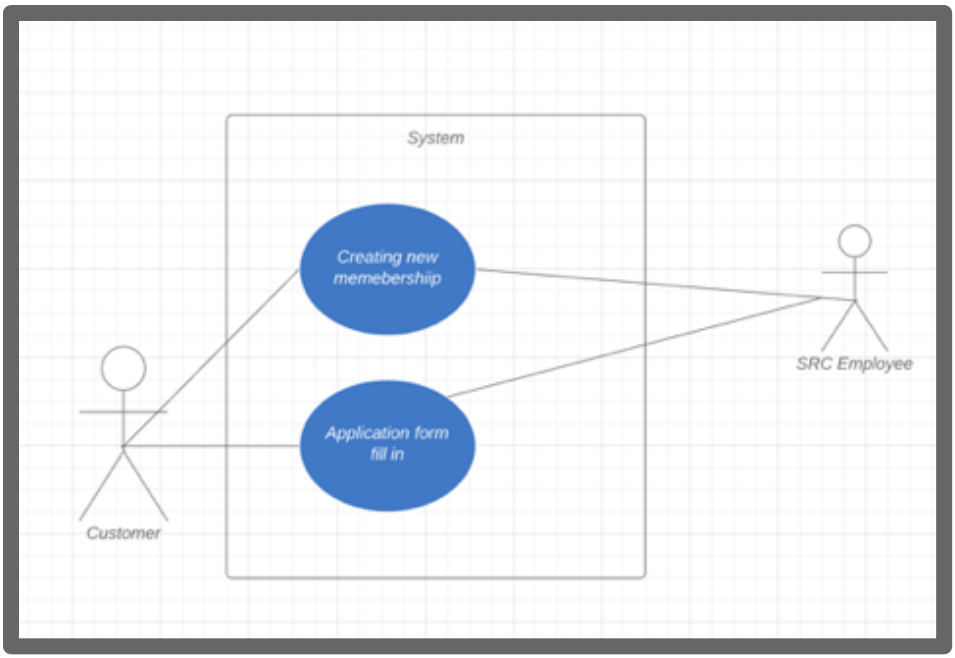
19.1 Form Submission

Once use case is complete the SRCSystem will display the confirmation of Updated Member Message.

20. Extension Points

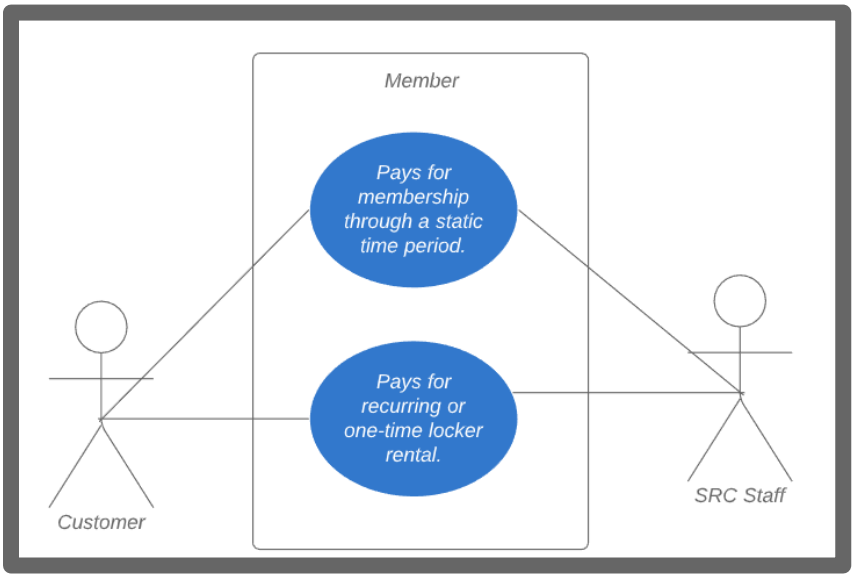
This use case does not have any extension points.

Use Case High Risk Diagrams



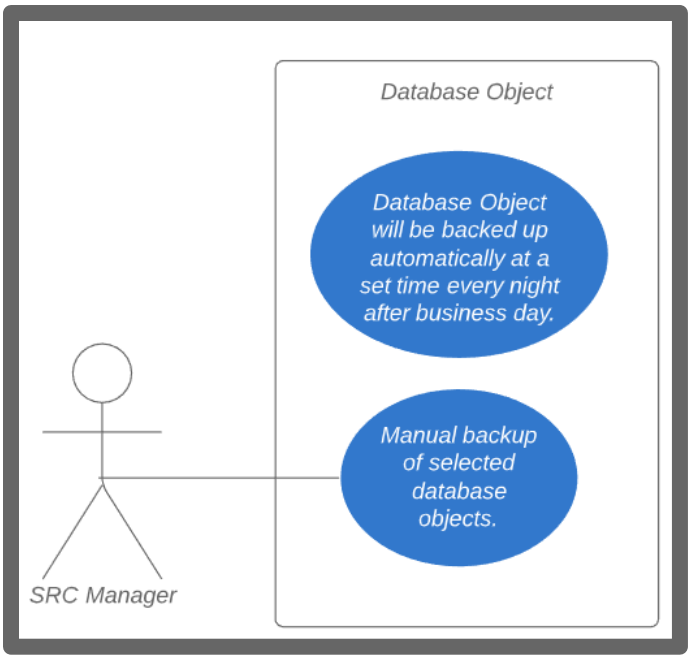
Create a New Member (SRC)

High risk due to the inability to add members to the system if the process does not function properly. SRC Employee / Management will be notified of new user registration.



Pay Online

High Risk due to the inability to collect payment if the system is not functioning properly. Customers can complete membership purchases and locker rentals online. Processed through a third party. Card information is not kept or seen.

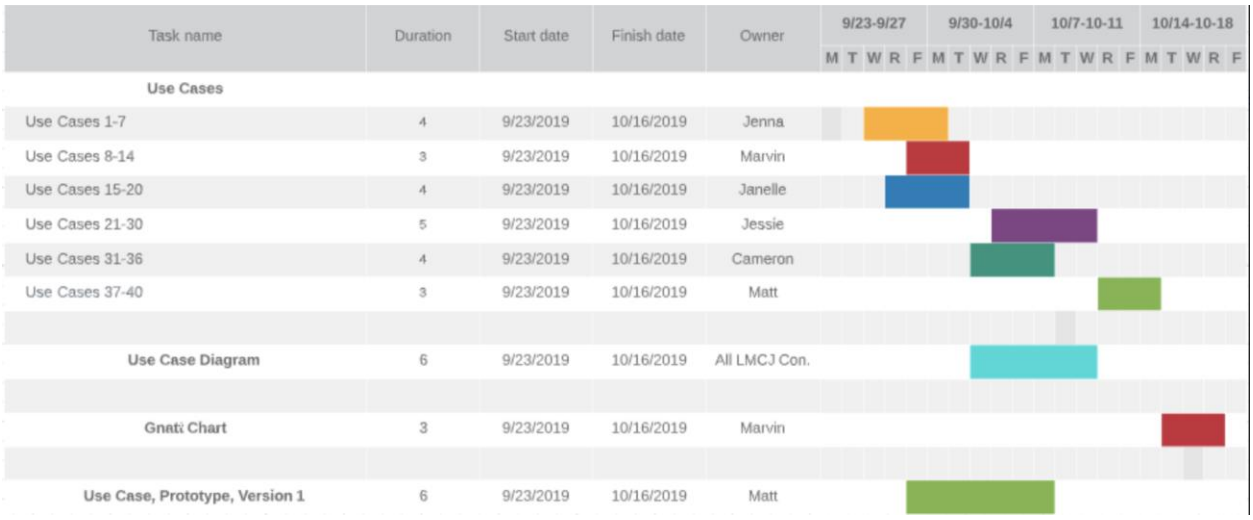


Backing up databases

High risk because of data needing to be recoverable. Can't recover data if it's never backed up. Auto backups at a set time after each business day. Manual backups are possible.

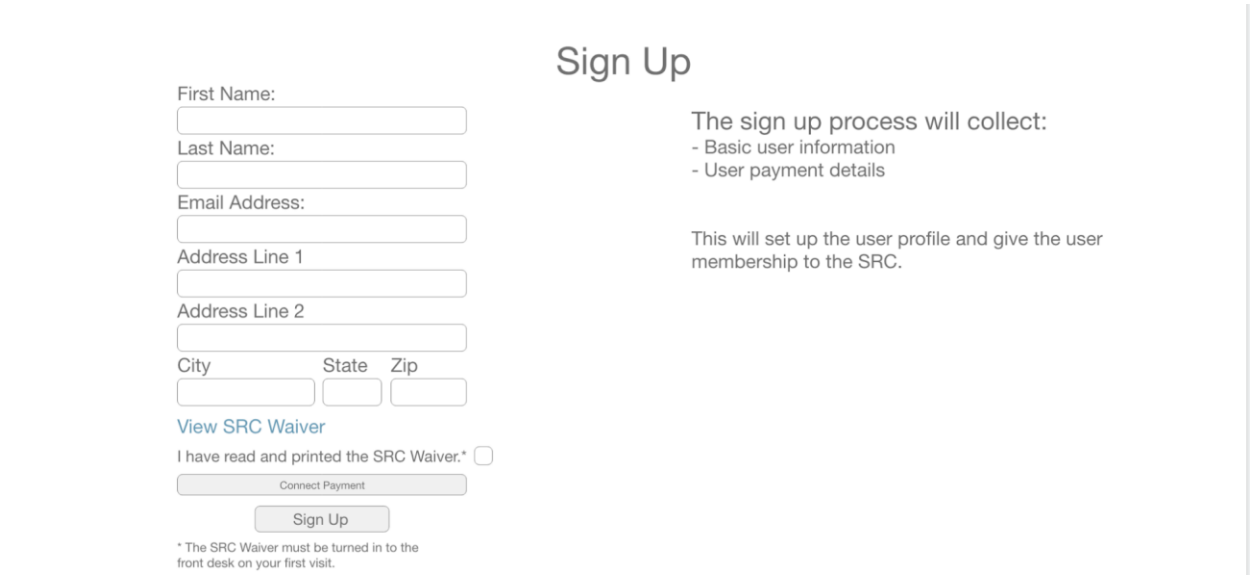
Gnatt Chart

The Gantt chart gives information pertaining to the construction of the Iterations, such as Duration, Start date, Finish date, and Owner. Duration is the amount of days that it took the owner to complete the task. Start date is the date in which the Iteration was presented to LMCJ Consultants. Finish Date is the day that the task was fully completed by the owner of that task. Owner is the team member that was assigned to that certain task. The bar chart portion of the Gantt chart is a visual representation of the duration column, showing the dates in which the owner started and completed the task. The chart is broken down into Mondays and Wednesdays because that is when LMCJ Consultants meets to collaborate and discuss the findings or explanations of the iteration they are currently working on.



Task name	Duration	Start date	Finish date	Owner
Use Cases				
Use Cases 1-7	4	9/23/2019	10/16/2019	Jenna
Use Cases 8-14	3	9/23/2019	10/16/2019	Marvin
Use Cases 15-20	4	9/23/2019	10/16/2019	Janelle
Use Cases 21-30	5	9/23/2019	10/16/2019	Jessie
Use Cases 31-36	4	9/23/2019	10/16/2019	Cameron
Use Cases 37-40	3	9/23/2019	10/16/2019	Matt
Use Case Diagram	6	9/23/2019	10/16/2019	All LMCJ Con.
Gnati Chart	3	9/23/2019	10/16/2019	Marvin
Use Case, Prototype, Version 1	6	9/23/2019	10/16/2019	Matt

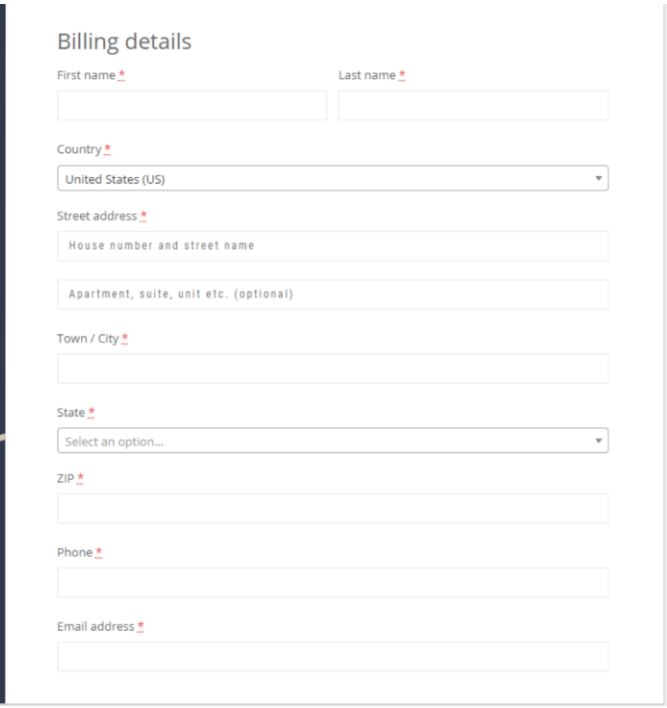
Use Case Prototype, Version 1



Use Case Prototype: Create A New Member

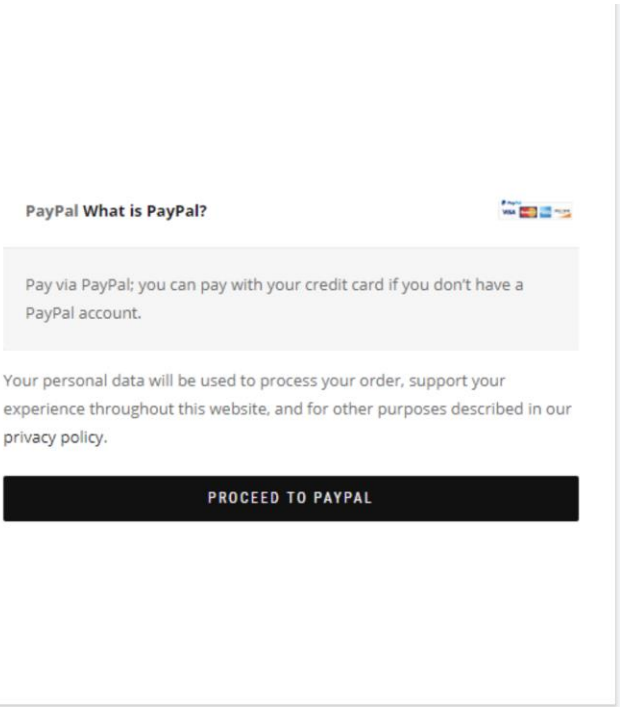
Use Case Prototype

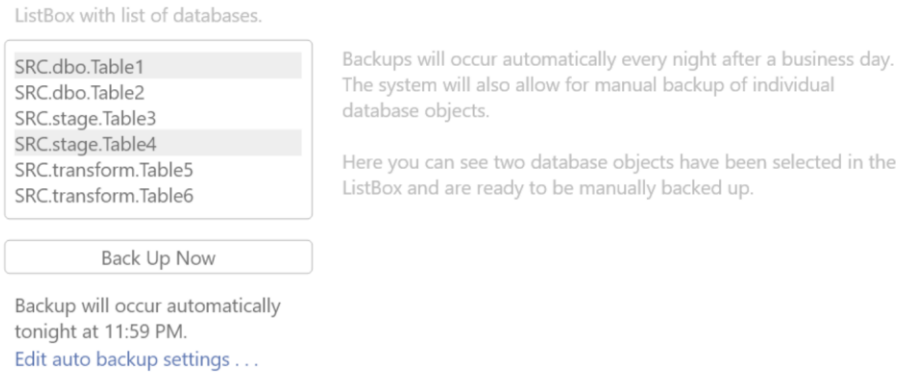
Pay Online



Use Case Prototype

Pay Online (cont.)





Use Case Prototype: Backup Database