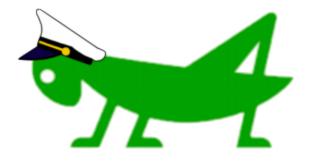# HOPPERHACKS IV

March 26-27, 2022

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Welcome

Hello and welcome to HopperHacks IV. We are so happy and proud to welcome you to this virtual hackathon! HopperHacks was founded by the board of the Saint Francis High School Girls Who Code club. Through our research, we have found that women make up only 18% of computer science majors & only 25% of the technology industry. With a collaborative all-female environment, we aim to encourage girls (non-binary, genderqueer, transgender inclusive) to follow their passions for STEM and reduce the gender gap in the technology field. We are inspired by female trailblazers in STEM, so we named our event after Grace Hopper, the leader of the team that developed the first computer language compiler. We thank all of our partners for believing in this cause, as well as all of you for spending time with us at this event.

Saturday will be filled with mainly uninterrupted time to code a project with your team that addresses a problem within your division. On Sunday, we will have a panel of women speak about their experiences in the technology industry. Then we will announce our winners! We hope you enjoy learning more about programming as you design websites & applications.

~ HopperHacks IV Team

Schedule (Pacific Daylight Time)

Saturday, 3/26

TIME	EVENT
8:45 - 9:00 AM (PDT)	Join Opening Ceremony
9:00 - 9:45 AM (PDT)	Opening Ceremony
9:45 - 10:15 AM (PDT)	Team Mixer *Teams sent out on 7/15* *Divisions are assigned in chronological order of **received** submissions and released on 7/17*
10:30 AM (PDT)	HACKING BEGINS
10:30 - 11:30 AM (PDT)	Logistics Q & A
11:30 AM - 7:00 PM (PDT)	Office Hours
7:30 PM (PDT)	HACKING CONCLUDES (CODE FREEZE)
7:30 - 9:00 PM (PDT)	Submissions
9:00 PM (PDT)	PROJECTS DUE
9:05 PM (PDT)	DAY 1 ENDS
NOTES	* The Web Dev workshop will be optional and pre-recorded* *There will be a specific check-in time for each team throughout the day*

Sunday, 3/27

TIME	EVENT
10:30 - 11:30 AM (PDT)	Women in Tech Panel
11:30 - 11:45 AM (PDT)	Join Closing Ceremony
11:45 AM - 12:15 PM (PDT)	Closing Ceremony and Awards
12:20 PM (PDT)	DAY 2 ENDS HACKATHON ENDS

*NOTE: Schedule is subject to change.

Zoom Information

- A Zoom schedule will be sent out closer to the event containing Zoom codes and passwords.
- During the day, there will be several mandatory Zoom sessions.
    - The opening ceremony, check-ins, Women in Tech Panel, and the closing ceremony will all be mandatory.
- There will also be several optional Zoom sessions
    - The Logistics Q & A and Office Hours will be optional.
    - All workshops will be pre-recorded and optional.
- To work on projects, all teams are responsible for creating video call sessions with their other team members.

Contest Rules

Please note: Failure to adhere to rules may result in disqualification.

General Rules

- Teams should be made of 1 to 4 people.
  - No prizes will be given to extra team members.
- All team members must contribute to the group's project.
- Prizes are non-negotiable.
- Projects must be websites; this is a web dev only hackathon. Apps and hardware projects will not be accepted.
  - All languages will be accepted as long as there is an accompanying frontend (ex: HTML/CSS/JS, Python/Flask, React etc.)
- Reusing code from other projects or hackathons is not allowed.
- Teams can work on ideas that have already been done, but we encourage participants to contribute their own innovation.
- Teams are allowed to use libraries, frameworks, or open-source code in their projects, as long as such sources are **properly given credit** or are **cited**.
- Adding new features to existing projects is allowed; however, participants must specify with comments or through written explanation in their submission which features are new. This should also be clarified verbally in the presentation video and shown on the slides.
- Teams must stop hacking once time is up at 7:30 PM on Saturday.
- Participants must submit their projects to Devpost **by the specified deadline of 9:00 PM PDT on Saturday**. No exceptions will be made. Plan accordingly.

Teams

- Teams can either be "prearranged" or "randomly" assigned.
- "Prearranged" teams must submit their members' names to the Prearranged Teams Google Form, which will be released at **8:00 AM on Saturday (3/19) PDT** and will close at **9:00 PM on Wednesday (3/23) PDT**.

- "Randomly" assigned teams must fill out the Randomly Assigned Teams Google Form, which will be released at **8:00 AM on Saturday (3/19) PDT** and will close at **9:00 PM on Wednesday (3/23) PDT**.
- Team assignments will be released at **3:00 PM on Thursday (3/24) PDT**.
- Participants can only be a part of one team, either "prearranged" OR "randomly" assigned, but not both.
    - In the case that a participant submits both the prearranged team google form and the randomly assigned team google form, they will be randomly assigned to a team.
    - In the case that a participant is listed as a member of multiple teams, they will only be included in the first team listed.
    - If a participant works with two or more teams during the hackathon, they will be automatically disqualified from the event.

Divisions
- HopperHacks IV has three divisions based on different themes:
    - Division 1: Health
    - Division 2: Equity
    - Division 3: Sustainability
- The participating teams will be equally split into the three divisions based on each team's preferences recorded on the Divisions Google Form, which will be released on **Thursday (3/24) at 3:00 PM PDT** and closes on **Friday (3/25) at 5:00 PM PDT**.
    - Each team will assign one member to fill out the Divisions Google Form.
        - We will only regard your first submission.
    - **Teams are assigned according to the chronological order of received submissions.**
    - No division is guaranteed. Teams can be assigned their first, second, or third choice.
    - Assigned divisions are non-negotiable.
    - **Teams cannot switch between divisions.**
- Teams will receive their divisions on **Saturday (3/26) at 10:00 AM PDT**.
- The three divisions will be judged equally.

Project Submission Rules
- Please reference the Devpost submission demo to see the correct method for submitting your project.

- Each team will submit a video recording of their presentation to Devpost. Maximum video length is **5 minutes**.
    - Recommended time distribution: 3 minute pitch, 2 minute program demo
- Presentation Requirements
    - **Videos should titled "Team Name - Project Name"**
    - Include the following:
        - Name of the team and members
        - Team division
        - What problem is your project solving?
        - What does your website do?
        - Screenshots and/or demo of the user interface & code

Prizes

Each team member will receive one of each prize

Division 1
- 1st Place:
    - Oculus Quest 2 Virtual Reality Headset ($300 - shipped directly to you) or Amazon Gift Card
- 2nd Place:
    - $100 Amazon Gift Card

Division 2
- 1st Place:
    - Oculus Quest 2 Virtual Reality Headset ($300 - shipped directly to you) or Amazon Gift Card
- 2nd Place:
    - $100 Amazon Gift Card

Division 3
- 1st Place:
    - Oculus Quest 2 Virtual Reality Headset ($300 - shipped directly to you) or Amazon Gift Card
- 2nd Place:
    - $100 Amazon Gift Card

Submitting Your Project + Judging

How to Submit:
- Watch the demo video that guides you through submitting your project through Devpost (will be provided soon).

Judging
- Judges will score your project on a scale of 1 to 5 in the following categories:
  - Practicality & Usefulness
  - Technical Difficulty & Skill Level
  - Usability & User Experience
  - Originality & Creativity
  - Presentation
  - Relation to Division Theme

Frequently Asked Questions

1. **What do I do if I haven't coded before?**
   Don't worry if this is your first hackathon, or even your first time coding! We have mentors that can assist you with your projects and provide advice during office hours. Also, we have pre-recorded workshops to introduce you to website development!

2. **Which platform should we code our project on?**
   You may use whatever platform you'd like to code your project. Some recommended platforms for web development are repl.it, Sublime, Atom, TextWrangler, etc. However, please make sure you can convert your project to a file that will be accepted by our submission website (DevPost) when you export it.
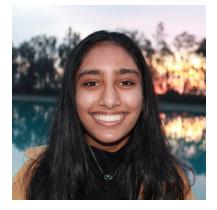
3. **What happens if my team doesn't finish in time?**
   We understand that it can be hard to create a complete project in such a short amount of time, so don't worry if your project isn't fully finished. However, it's best to make sure you have a prototype of your project completed and know what it would look like in its final stages.
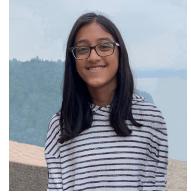
Coding Resources

- Web Development (HTML, CSS, and JavaScript)
    - https://codyhouse.co/
    - https://css-tricks.com/
    - https://www.w3schools.com/html/
    - https://www.tutorialspoint.com/html/index.htm
    - https://www.codecademy.com
    - https://www.khanacademy.org/computing/computer-programming/html-css
- Extra Resources, Brainstorming & Articles
    - https://www.entrepreneur.com/article/278

Organizing Team ~ SFHS GWC

Diya Hasteer
Executive Director

Safaa Hussain
Executive Director

Joanna Vollucci
Moderator

Koena Jaware
Board Member

Nikita Senthil
Board Member

Claire Luo
Board Member

Lian Linton
Board Member

Sanjana Srikanth
Board Member

Kavya Ummethala
Board Member