

RESTFUL TESTING

AN INTRODUCTION TO THE MAGIC

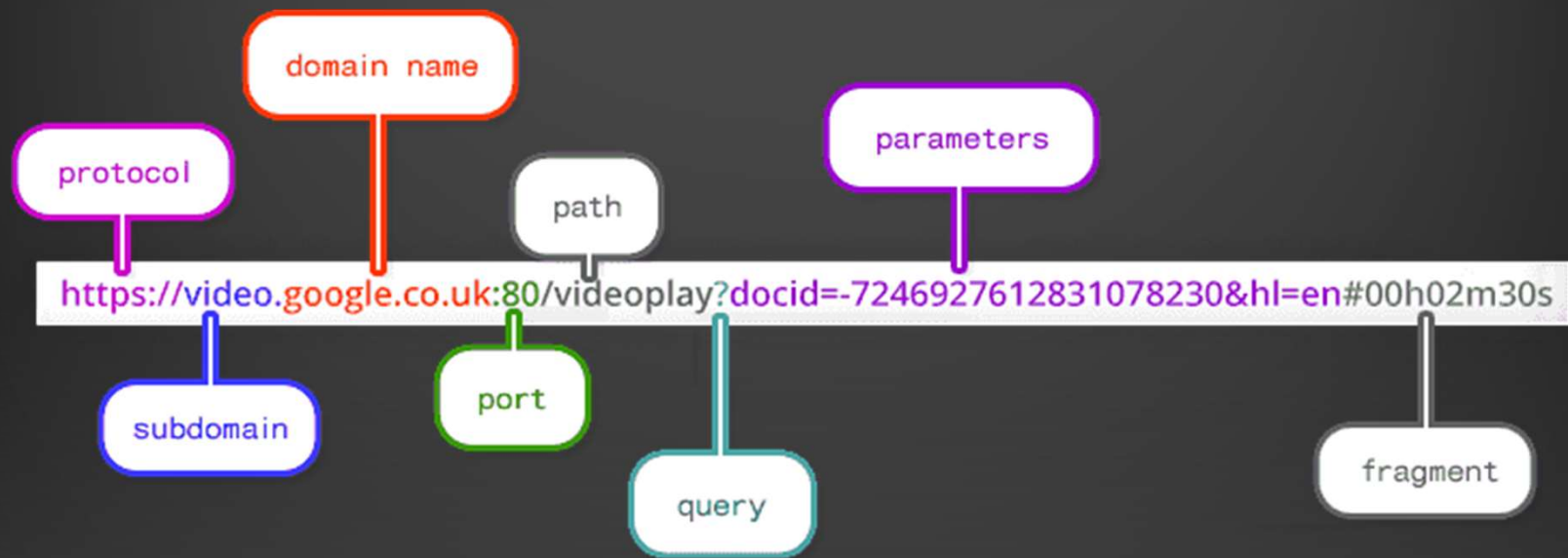
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WHAT IS REST?

- Representational State Transfer
 - Architecture based on HTTP, or Hypertext Transfer sssnnnnn.....
 - Communication between computer systems, initiates operations, manipulates data, etc.
 - Stateless – I don't have to know where you are in your process

ANATOMY OF AN HTTP REQUEST



ANATOMY PT2

- Query Parameters:
 - <http://exampledomain.com/resource?propertyName=propertyValue&otherPropertyName=notTheSameValue>
- Path Parameters:
 - <http://exampledomain.com/resource/{id}>

ACTIONS TO PERFORM:

- GET
 - Requests a representation of a given resource
 - Should only retrieve data and not perform any other action.
 - Navigating to any webpage in the browser executes a GET.

ACTIONS TO PERFORM:

- PUT
 - Requests that the body be stored under the provided resource. If it already exists, replace it. If it doesn't, create it.

ACTIONS TO PERFORM

- POST
 - Create a new entity as subordinate of the resource.
 - Can also be used to initiate actions

ACTIONS TO PERFORM

- DELETE
 - Removes the resource specified.
 - Ex., <http://exampledomain.com/resource/3>

STATUS CODES

- 200 = OK
- 201 = CREATED
- 202 = ACCEPTED
- 204 = NO CONTENT
- 302 = REDIRECT FOUND
- 404 = NOT FOUND
- 405 = METHOD NOT ALLOWED
- 400 = BAD REQUEST
- 401 = UNAUTHENTICATED
- 403 = FORBIDDEN
- 500 = INTERNAL SERVER ERROR

TESTING!

- Define expectations
- Get your tools
- Create your payload
- Be aware of the mess you leave.