**Lab 7 - Flask**

**Question 0**: What is the URL of your python flask\_restfull code on github???

<https://github.com/shearpaladin/CMPUT404-LAB7>

**Question 1**: How are Flask and Django different? What does Django provide for you that Flask does not?

**Django is a full-stack web development framework for creating complex data-driven websites and integrating with web service APIs. Flask is a lightweight framework allowing an easy implementation of APIs.**

**Question 2**: What does REST stand for? When I say something is RESTful, what does that mean?

**REST stands for Representational State Transfer. When we say something is RESTful it means we are able to use HTTP Methods for our services such as GET, PUT, POST, and DELETE.**

**Question 3**: What does CRUD stand for? For each letter in CRUD, give the associated HTTP method.

**CRUD stands for create (POST), read(GET), update(PUT/PATCH), and delete (DELETE).**

**Question 4**: What do HTTP 1XX Status Codes mean? HTTP 2xx? HTTP 3xx? HTTP 4xx? HTTP 5xx?

* **1xx are Informational responses**
* **2xx are Successful responses**
* **3xx are Redirection messages**
* **4xx are client error responses**
* **5xx are server error responses**

**Question 5**: What is an XSS attack? Provide one way a site can be vulneratble to an XSS attack.

**Cross-Site Scripting (XSS) attacks are types of injections where malicious software (usually in the form of a script) is used on trusted sites.**

**If a site tells you to download Adobe Flash and it sends you to a site looking like Adobe Flash (similar UI) but downloads something else.**

**Another instance could be sites asking you to download files/extensions to continue on a site or fake pop-ups asking you for information.**

**Question 6**: What does CORS stand for? What situation in web application development will you need to implement CORS protection?

* Hint: What does the CO part of CORS mean?

**CORS stands for Cross-Origin-Resource-Sharing. It is an HTTP-header based system that allows a server to share restricted web information outside of its domain.**

**Optional**: Deploy your Flask application to Heroku.

* How does your Procfile change when compared to a Django application?