Homework 12

Re-submit Assignment

Due Wednesday by 10pm **Points** 100 **Submitting** a text entry box or a file upload

The Stevens community is very excited about the work you've been doing to gather information about students, classes, and instructors. Your work is so popular that the community is asking for a website so everyone can see the results.

Your assignment is build a new web page to display the new student grades prettytable from HW11 as a web page. For example, here's a screen dump of my solution:

Stevens Repository

Student, Course, Grade, and Instructor

Student	CWID	Course	Grade	Instructor
Bezos, J	10115	SSW 810	A	Rowland, J
Bezos, J	10115	CS 546	F	Hawking, S
Gates, B	11714	CS 546	A	Cohen, R
Gates, B	11714	SSW 810	B-	Rowland, J
Gates, B	11714	CS 570	A-	Hawking, S
Jobs, S	10103	SSW 810	A-	Rowland, J
Jobs, S	10103	CS 501	B	Hawking, S
Musk, E	10183	SSW 555	A	Rowland, J
Musk, E	10183	SSW 810	A	Rowland, J

You'll need to install Flask along with the database you created for Homework 11.

Specifically, you'll need to:

1. Create a directory structure for your solution with a 'templates' subdirectory, and a base.html template.
2. Define a query using your SQLite database from Homework 11 that calculates the Student's name, CWID, the name of the course, grade earned, and the instructor's name. The example from the lecture may be useful for this task.
3. Create a new template file for your new web page. Start by understanding how it should look and then perhaps create an HTML with static data to test your HTML.
4. Update your static HTML to include Jinja2 variables and statements to use data passed with the render_template() call.

5. Create a Flask Python application to run your application.
6. Demonstrate that your code works properly by submitting a .zip file with all of the files from your solution plus a screen dump of your browser showing the output.
7. Update your GitHub repository to include a new branch with the web solution.

The lecture notes should provide all of the information you need to complete this assignment, but the web has many good tutorials on Flask if you run into trouble.

After that, celebrate the fact that you've completed your last homework assignment for SSW 810!