

## **IS590WF**

### **Web Development Using Application Frameworks Instructions for the Final Project**

#### **General Description**

You will be expected to plan, gather requirements for, design, code, and test a Web application using Django as your Final Project. Expectations include:

- The Web application should fully demonstrate the Django application framework features covered in the class. These include:
  - Django models
  - Django URL configurations
  - Django views (including class-based views and generic class-based views)
  - Django templates
- The Web application should include significant database add/change/delete functionality.
- The Web application should implement basic user authentication.
- The Web application should be sufficiently interesting to you that you are likely to continue to develop and maintain it after the course is complete.

More details regarding project expectations are presented below.

#### **Project Size**

The size of the project should be comparable to the size of examples covered during the course. These include:

- The full tutorial example from the Pinkham text
- The EZ University tutorial project

#### **Nature of the Application**

Provided that you meet the other expectations for the project, you have fairly wide latitude regarding the nature of the application. Whatever application you choose, please make sure that it has a significant database component.

#### **Design and Coding**

The design and coding of your project should be consistent with the standards and practices presented in the Pinkham text and demonstrated in the EZ University tutorial example.

## Testing

Your application should be fully tested when submitted. Since we did not cover automated testing methods in the course, you will not be expected to have used automated testing tools. Testing by exercising the application and inspecting output is sufficient. When you submit your application, please include sufficient test data, authorized users, passwords, and instructions to enable me to test your application easily.

Please note. I plan to use the same Anaconda virtual environment to test your project that I have been using to test the EZ University project. If your project requires a different virtual environment, please document the requirements in a requirements.txt file that you include with your project.

## Submission

Zip up your PyCharm project directory and submit that zip file to the Moodle submission activity provided for this assignment.

When submitting your project files, please use the following naming conventions:

- Name your PyCharm project directory as follows:

YourLastName\_YourFirstName\_final\_project

- Consequently, the zip file that you submit will have the following name structure:

YourLastName\_YourFirstName\_final\_project.zip

## Submission Deadline

The submission deadline and dropbox to which the assignment should be submitted will be indicated in the Weekly Schedule.

## Grading

A separate grading rubric document will be posted to the Weekly Schedule.