Web Development Using Application Frameworks
Coding Assignment: Vincent Chapter 5 Tutorial
Instructions

Overview
Your assignment is to complete the tutorial in Chapter 5 of the Vincent book. This is a fairly complete introduction to Django. Please note that the very end of this tutorial is automated testing. I have selected this portion of the tutorial as the Challenge Exercise for this coding assignment. See below for details on the Challenge Exercise.

In just a few weeks, we will begin the EZ University (EZU) tutorial. The EZU tutorial covers more features of Django. More important, it dives into the details of Django features more deeply. The purpose of this Vincent Chapter 5 Tutorial is to get you into the rhythm of working with Django and to help you see the extent of Django's features. I don't want you to have to wait until Week 12 of the semester to finally see the big picture.

Save Your Creativity for the Final Project
In some coding-oriented courses, creativity is encouraged. This is NOT true of the coding assignments for this course. When grading your work on coding assignments, we want to know that you understand the features and can implement them as instructed. This means that you should build the exact product that is shown in the tutorial. There is no extra credit for adding extra content, picking a different font, using more appealing colors, or adding features that you believe are missing.

The Final Project assignment for this course will be a big Django application that you design and implement all by yourself. There is plenty of work to be done on this assignment and it is a great outlet for your creativity. Please save all of your creative energy for the Final Project!

Tools
Because the Vincent Book does not use our preferred toolset, I have created tutorial videos to help you get started in doing this assignment using our preferred toolset. Please play the tutorial and use the tools that I recommend.

Remember that we will be grading your submission using the preferred tool set. We will open the project that you submit with PyCharm and test it. So, it is important that you developed your code and tested it using the same tools.

Software Versions
This semester we will be using Python 3.10 and Django 4.1 for all assignments.

Code Deliverables
You are expected to submit a properly organized PyCharm Django project that is ready to be tested using PyCharm.

Exercise 1 (Regular)
Complete the tutorial project presented in Chapter 5 of the Vincent book. Before starting, play the tutorial video that I created on how to do the work from the Vincent book using our preferred toolset.

Note that the automated testing code that is presented at the end of Chapter 5 is not part of this Regular Exercise. If you are only doing exercise 1, then make sure that you test all functions by hand using browser navigation and input.

Exercise 2 (Challenge)
If you choose to do Exercise 2, then you are expected to include the automated testing code from the end of Chapter 5. Remember that you should also do hand testing of your code using browser navigation and input.

Non-Code Deliverables
Please be sure that the project you submit includes the following:

1. A test user (username = "tester", password = "{iSchoolUI}"
2. Sufficient test data present in the database to allow for testing all functions

File and Directory Naming

Please use the following naming scheme for naming your PyCharm project:

> **blog**

If this were my own project, I would name my PyCharm project as follows:

> **blog**

Use a zip utility to create one zip file that contain the PyCharm project directory. The zip file should be named according to the following scheme:

> **blog.zip**

If this were my own project, I would name the zip file as follows:

> **blog.zip**

Due Date

Please see the Weekly Schedule for the date and time when this assignment is due.

Last Revised

2023-01-21