

## Web Development Using Application Frameworks

### Coding Assignment: Template

#### Instructions

#### Overview

The Template coding assignment is the next in a series of assignments in which we will be developing the EZU database system, a full C-R-U-D database application for a simplified university record keeping. In the Template coding assignment, we create list pages for most of the EZU database tables. This includes creating the template page, creating a function-based view, and creating an entry in `urls.py`.

#### Tools

I am expecting you to use the tools that are demonstrated in the tutorial videos: Anaconda and PyCharm.

#### Tool Versions

In the current semester, I am expecting you to use Python 3.8 and Django 3.1.

#### Starter Files

Please note that I have provided a starter file for `base.html`. You do not need to type this HTML code by hand. You can just copy this file into the proper directory structure within your PyCharm project.

#### Tutorial Parts

This is a one-part tutorial. During the video, I demonstrate the required coding and testing activities for two of the six EZU database tables:

- Instructor
- Section

At the end of the tutorial video, you are instructed to perform the coding and testing for the remaining tables on your own:

- Course
- Semester
- Student
- Registration

Note that we will not be creating pages in our EZU application for the year and period tables. These are infrequently changed infrastructure tables. We will assume that a system administrator will use the Django Admin application to maintain those tables when necessary.

## Code Deliverables

You are expected to submit a properly organized PyCharm Django project that is ready to be tested using PyCharm. Please refer to my tutorial video for details.

## Non-Code Deliverables

Please be sure that the project you submit includes the following:

1. A test user (username = “tester”, password = “(secret)”
2. Sufficient test data present in the database to allow for testing all functions

## Submission Method

Follow the process that I demonstrated in the tutorial video on submitting your work. This involves:

- Locating the properly named directory associated with your project in the file system.
- Compressing that directory into a single .ZIP file using a utility program.
- Submitting the properly named zip file to the submission activity for this assignment.

## File and Directory Naming

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

**surname\_givenname\_ezu**

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

**trainor\_kevin\_ezu**

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:

**surname\_givenname\_ezu.zip**

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

**trainor\_kevin\_ezu.zip**

**PLEASE NOTE: All file and directory names must be in lower case. Deductions will be made for submissions that do not conform to this standard.**

## Due Date

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

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