

# Web Development Using Application Frameworks

## Coding Assignment: Controller

### Instructions

#### Overview

The Controller coding assignment is the third in a series of assignments in which we will be developing the EZ University database system, a full C-R-U-D database application for a simplified university record keeping. In the Controller coding assignment, we refactor the controller code (`urls.py` and `views.py`) for the list pages. In the second part of the tutorial, we create template files for the detail pages and enable them by creating entries in `urls.py` and `views.py`.

#### Tools

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

#### Tool Versions

In the current semester, I am expecting you to use Python 3.6 and Django 2.1.X.

#### Tutorial Parts

This is a two-part tutorial.

In Part 1, we refactor the `urls.py` and `views.py` entries for the list pages. During the video, I demonstrate refactoring and testing for the following list pages.

- Instructor
- Section

At the end of the Part 1 tutorial video, you are instructed to perform some refactoring and testing for the remaining list pages on your own:

- Course
- Semester
- Student
- Registration

In Part 2, we create template files for the detail pages and enable them by creating appropriate entries in `urls.py` and `views.py`. During the video, I demonstrate coding and testing for the following detail pages.

- Instructor
- Section

At the end of the Part 2 tutorial video, you are instructed to perform similar coding and testing for the remaining detail pages on your own:

- Course
- Semester
- Student
- Registration

## **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**

Submit 1 properly named and properly organized zip file containing your PyCharm project. Remember to use the following naming conventions:

- Project Name: yourLastName\_yourFirstName\_ez\_university
- File Name: yourLastName\_yourFirstName\_ez\_university.zip

## **Due Date**

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