

# Web Development Using Application Frameworks

## Coding Assignment: Pagination and Staticfiles

### Instructions

#### Overview

The Pagination and Staticfiles coding assignment is the next 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 Pagination portion, we add pagination to the Instructor List and Student List pages. In the Staticfiles portion, we add layout and styling to the pages of the EZU application.

#### 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.

#### Tutorial Parts

This is a two-part tutorial.

##### Part 1 – Add Pagination to Instructor List and Student List Pages

We begin this part of the tutorial by working together to code and test pagination capability for the following page:

- Instructor List

While accomplishing this goal, we will use the starter files provided in:

- `ez_university_pagination_tutorial_starter_files.zip`

After completing work on the Instructor List, you will work by yourself to code and test pagination capability for the following page:

- Student List

## Part 2 – Staticfiles

In this part of the tutorial, we work together to do the following:

- Configure the Staticfiles feature in our Django project.
- Place .css and .png files into a *static* directory in our project.
- Update most of the template files in our project with new versions that contain styling hooks.

While accomplishing these goals, we will be using starter files provided in:

- `ez_university_staticfiles_tutorial_starter_files.zip`

The result of our efforts is a styled Web application that is substantially more visually appealing than the unstyled version that we have worked with up to this point.

## 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.

Last Revised  
2021-03-30