

# IS439 – Web Development Using Application Frameworks

## Instructions for Tool Versions, Installation, and Virtual Environments

### Summer 2023

#### Instructions

#### Overview

While setting up your computing environment, you will need to install several software products and do some configuration. I have provided tutorial videos for you to follow when doing those activities. In the videos, I install the version of these tools that we were using when I made the recording. Since you may be taking this course in a later semester, you will need to know which versions to install. This document provides that information.

#### Installing Anaconda

Follow my tutorial video to install the latest version of Anaconda and to apply updates. If there is any reason in the current semester why you should not install the latest available version, I will provide a warning and instructions on finding the correct version here:

- No problems expected. Install the latest available version.

#### Creating an Anaconda Virtual Environment

There is a separate tutorial video for creating the Anaconda virtual environment for this course. The exact list of packages or versions of packages that we will be installing might have changed since the video was recorded. So, check the details below to make sure that you are building the virtual environment correctly for this current semester:

The Anaconda virtual environment that you create for this course should always have the following name:

- e4\_trainor\_django\_course

In the current semester, here are the packages that you should include in the virtual environment:

- python (3.10)
- django (4.1)

**PLEASE NOTE:** You will NOT be installing data science-related packages like jupyter, numpy, pandas, or matplotlib. While those packages are used in my Python Course, they will not be used in this Django course.

## Installing PyCharm Professional

Follow my tutorial video to install the latest version of PyCharm professional. **Make sure that you install the Professional version.** The Community version and the (now unsupported) Edu version will not be sufficient to do your assignments in this course. If there is any reason in the current semester why you should not install the latest available version, I will provide a warning and instructions on finding the correct version here:

- **No problems expected. Install the latest available version.**

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