[CMSC 455] Assignment #3: Flask Web Application with Templates

Due: End of Day, October 17th, 2023

Now is the time to start putting into practice all the Flask capabilities for Web site development we have been introducing during lecture, such as, templates, error handling, url handling, forms, etc. Your first assignment is to design a Web application using Flask that is able to process course overrides at VCU. In other words, create an application where students can submit an override request (in a Web form). When the form is submitted, assuming all the necessary fields are entered, the application should show output like "The course override has been submitted" to the user.

- has a form that seems reasonable given the purpose of the application. The application should support some basic form data validation, i.e., the application should not allow the user to submit the form if key fields are empty.

- supports error handling for internal server errors (unhandled exceptions) and unknown routes.

- uses *Jinja2* templates and uses *flask_bootstrap* for styling. No broken links, no obviously bad designs.

The details of your application, i.e., specifically what form fields to use etc., is your choice. The colors and styling is also your choice (as long as you use Bootstrap).

Submit: Submit ALL of the application code required to run your application via Canvas by the deadline.