Lab 5: MVC in Flask

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Model-View-Controller (MVC) is a design pattern that helps to organize and structure the code in a web application. It separates the application logic into three different components: the Model, the View, and the Controller.

In this tutorial, we will be creating a simple web application using the Flask web framework and implementing the MVC pattern.

It is also worth noting that there are different variations of the MVC pattern, such as the Model-View-Presenter (MVP) and Model-View-ViewModel (MVVM) patterns, which are more suitable for different types of applications and different programming languages. However, the basic principles of separating the application logic into distinct components remains the same.

Another important aspect to consider when implementing the MVC pattern is the separation of concerns. The Model should be responsible for managing the data, the View should be responsible for displaying the data and the Controller should be responsible for handling the requests and deciding what data to display and how to display it.

It is also important to keep in mind that the MVC pattern is not a silver bullet and it might not be the best choice for all types of applications. You should always evaluate the requirements of your application and choose the pattern that best fits your needs.

In addition, it is also important to use a good testing framework to ensure that your application is working correctly, this will help you to catch bugs and issues early on in the development process, making it easier to fix them.

In this lab, it is expected that you will
- choose one of the following files: lab5.zip, lab5a.zip or lab5c.zip.
- unzip the chosen file
- run the app using python (we suggest you use an IDE)
- comment the code
- zip and submit your solution.