



Pengembangan Web Praktik

Flask

REST API

Endang Anggiratih, S.T., M.Cs.

September, 2024



Materi perkuliahan

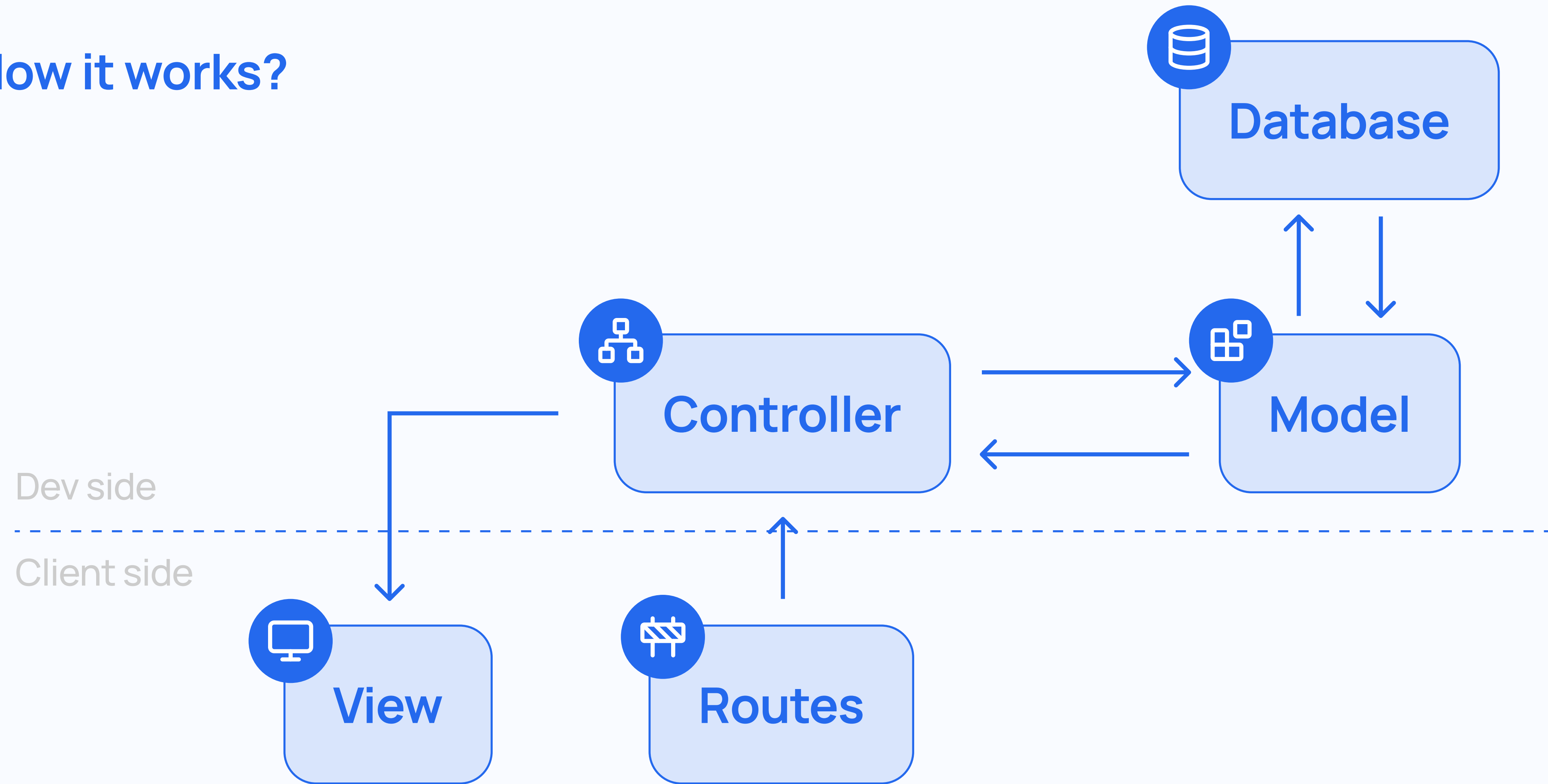
- 1 Perkenalan, Silabus, Pengenalan Konsep web dan server
- 2 Dasar UI/UX Design, Instalasi Flask
- 3 Integrasi, HTML & CSS Dasar
- 4 Integrasi Flask View Template
- 5 Integrasi Flask Bootstrap dan Mysql CRUD
- 6 Penerapan Session pada Flask
- 7 Responsi
- 8 Arsitektur MVC pada Flask
- 9 Konsep microservices dan Rest API pada Flask
- 10 Migration Model CRUD Rest API pada Flask
- 11 Penerapan API JWT pada Flask
- 12 Integrasi Flask dan Javascript
- 13 Presentasi Proyek Besar
- 14 Presentasi Proyek Besar

MVC Architecture



MVC is a **design pattern** used to help build frameworks for applications. MVC was reportedly invented by Trygve Reenskaug in the 1970's with this design as a way to describe software **constructs responsibilities and effectively.**

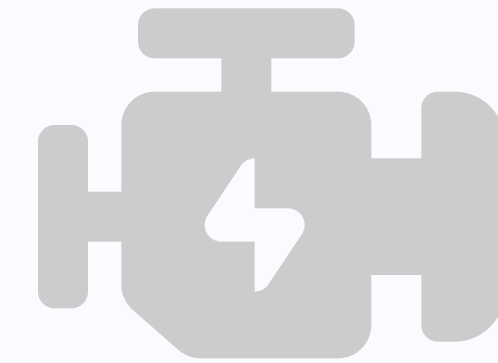
How it works?



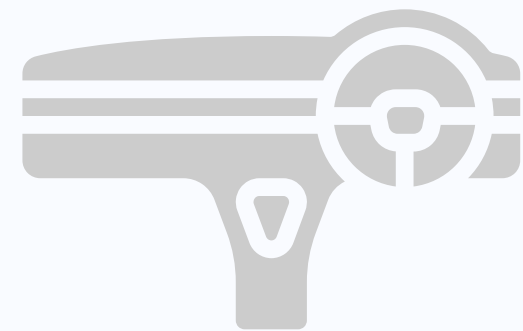
MVC Patterns analogy



Fuel
as Model



Engine
as Controller



Interior car
as View



Steer
as Route



UTY



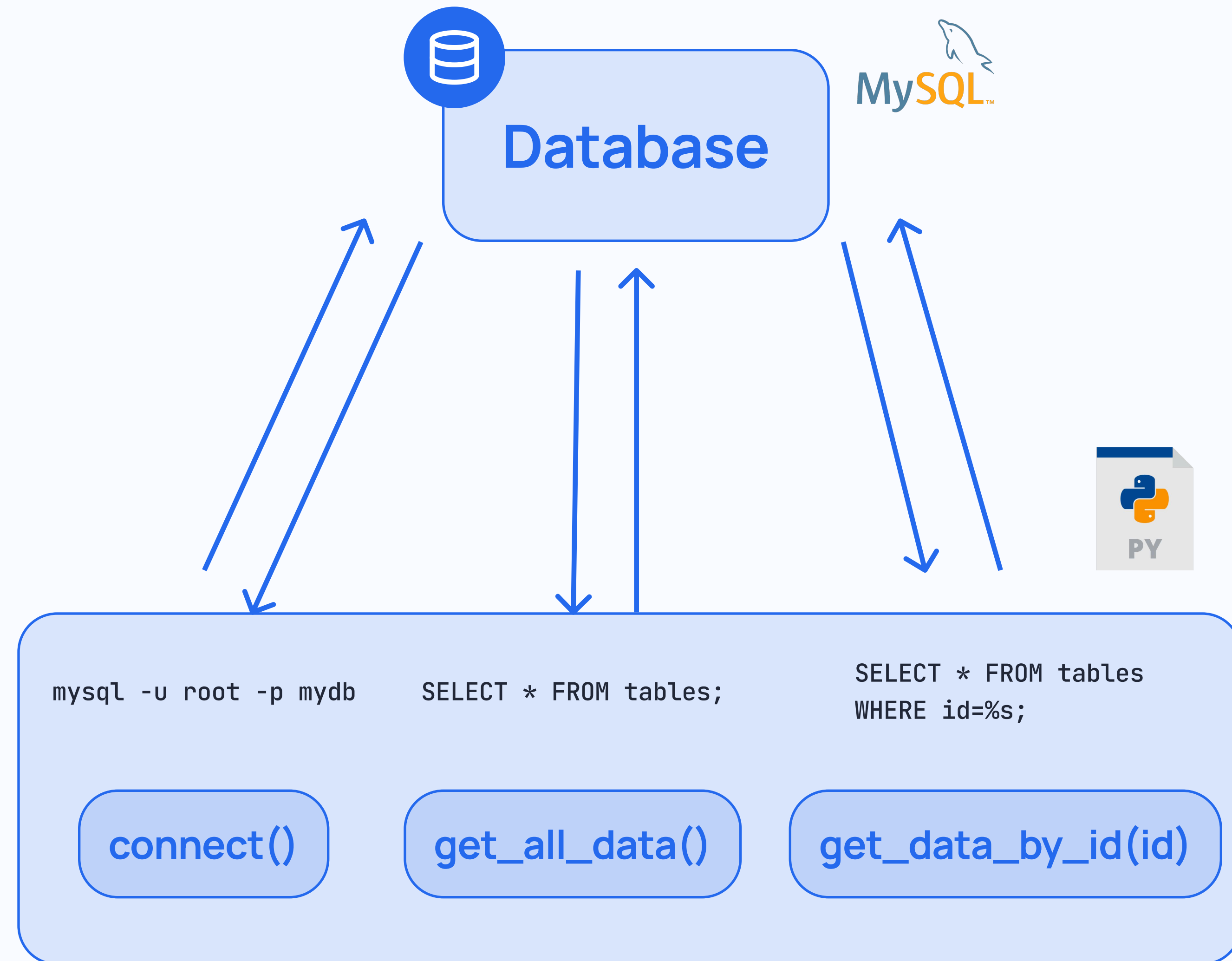
How to implement?

Pengembangan Web Praktik

Tahun ajaran 2024/2025

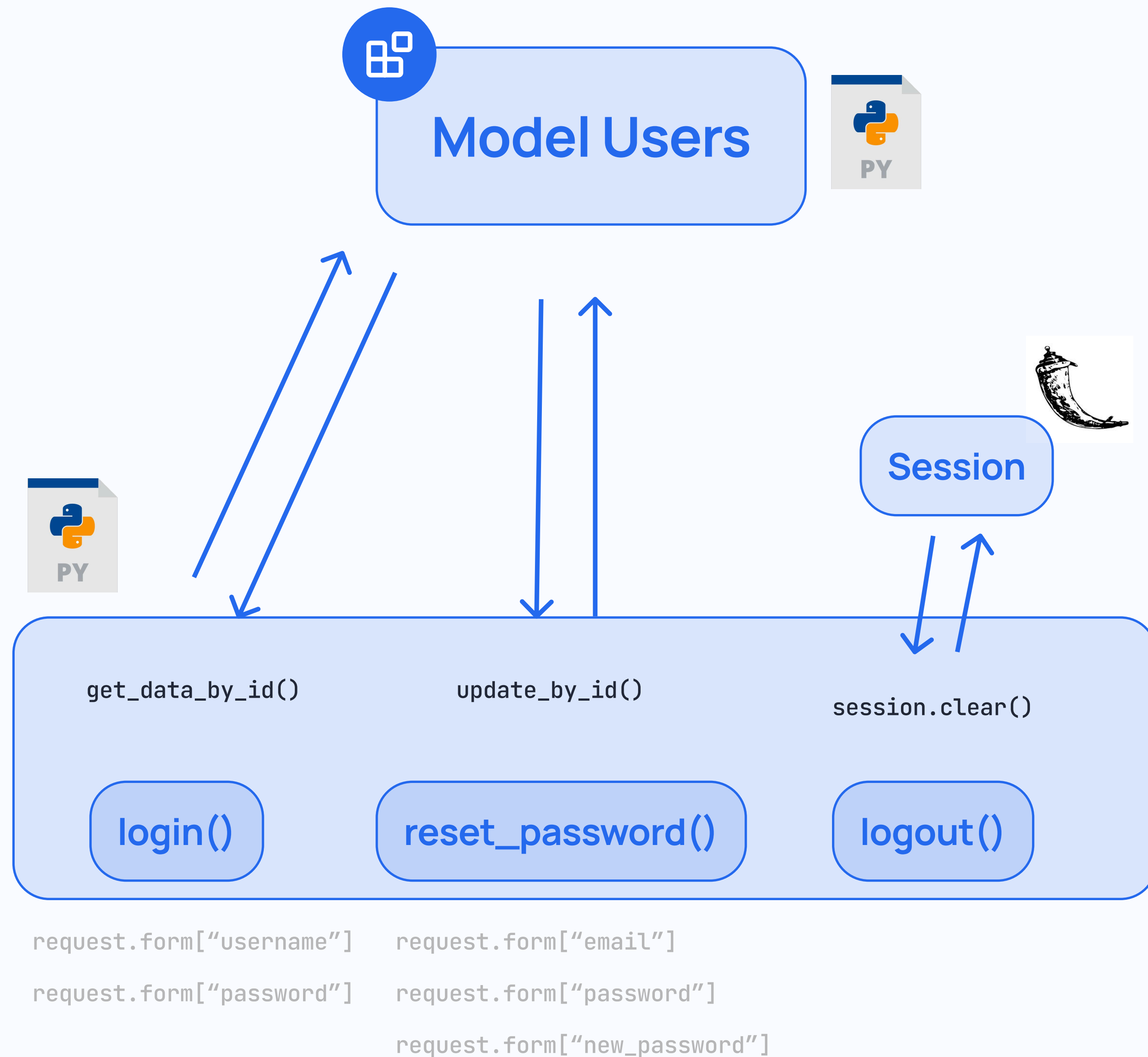
Models

Models represent the data and its related logic. They are the core of the application.



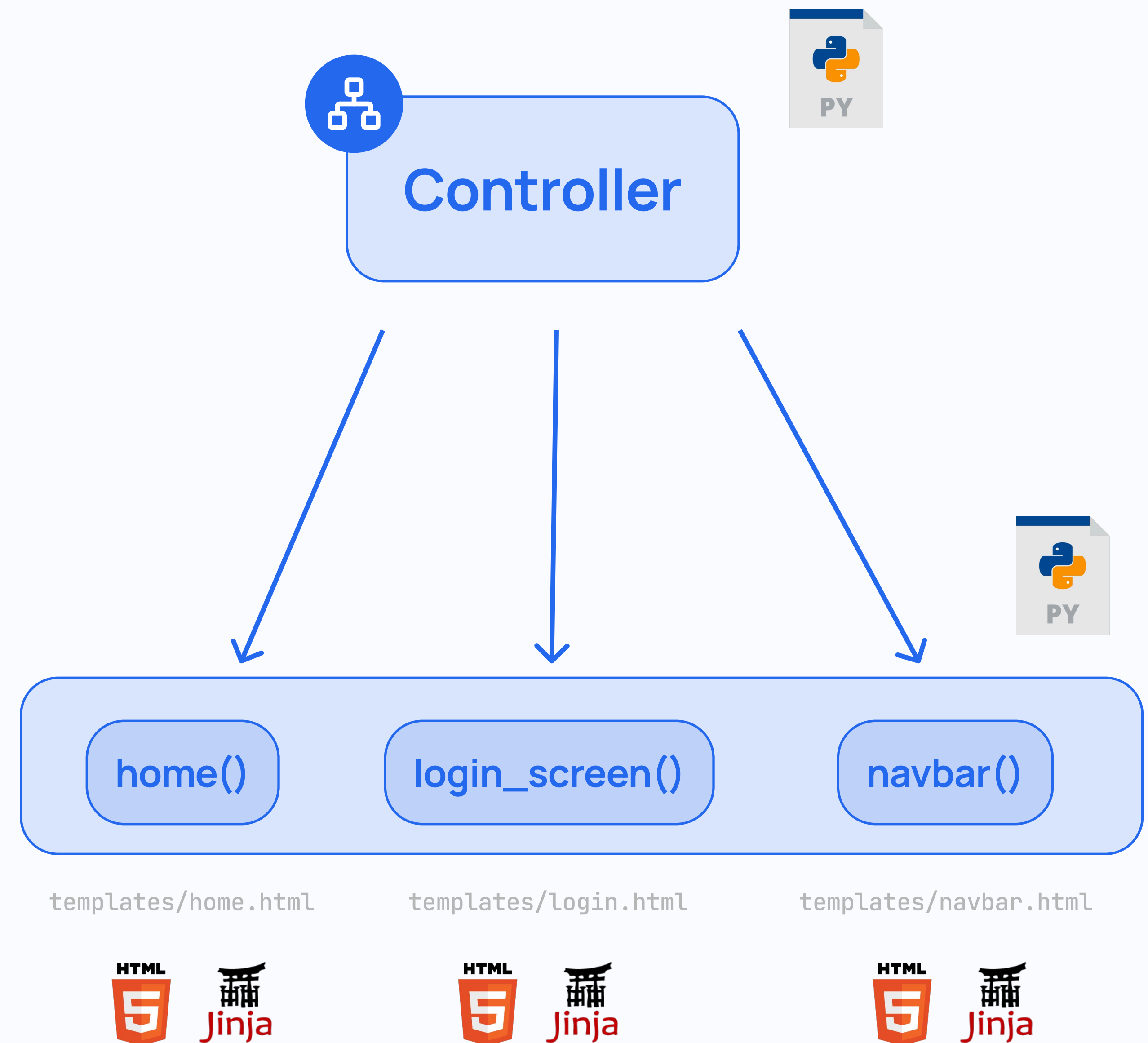
Controllers

The controller is like a middle-man between view and models. They take input and talk directly to the model that will communicate with the database.



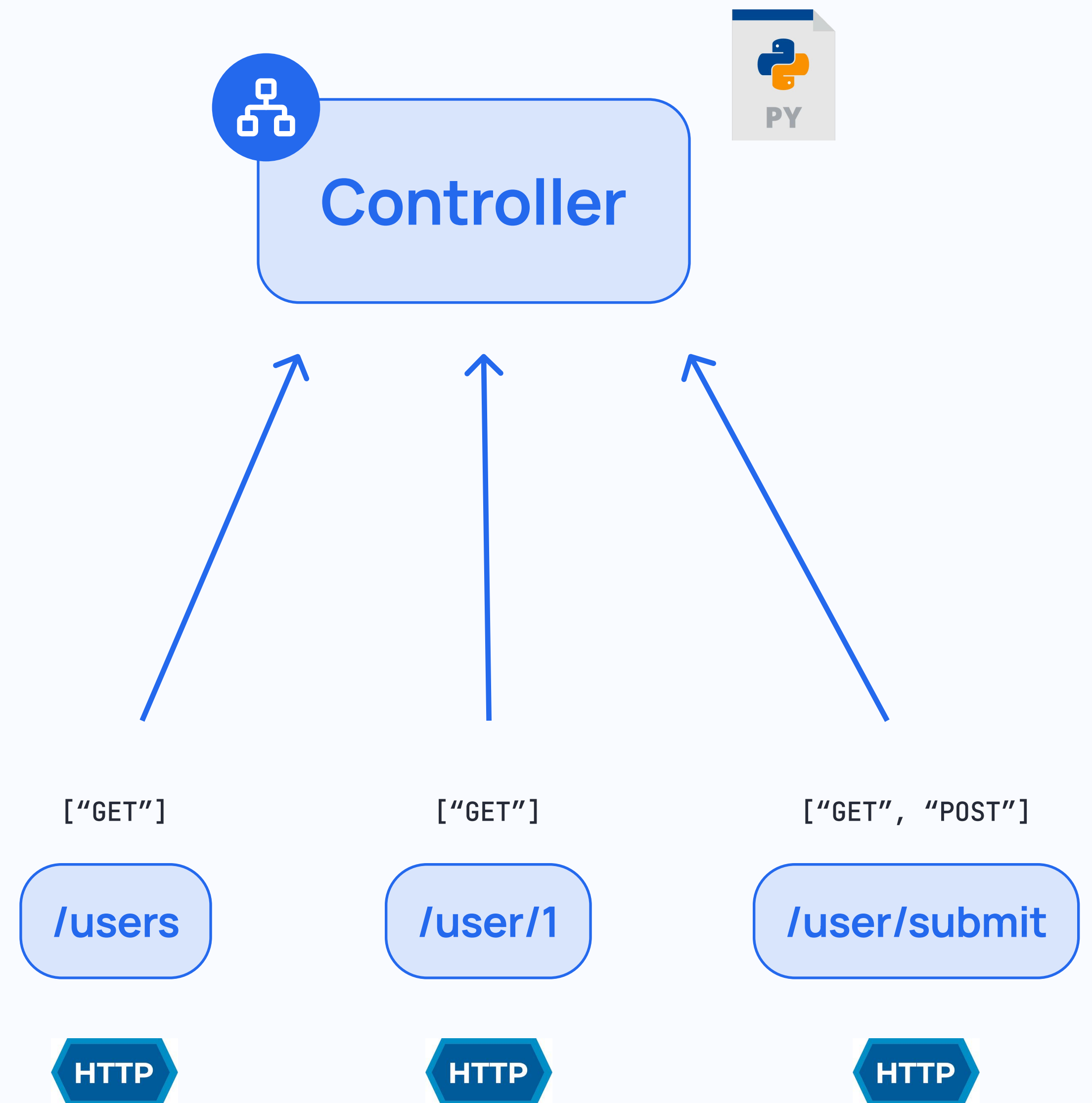
View

The part of the application that is responsible for **displaying the data**. It can be a simple return string or a fully-fledged HTML page with a beautiful design.



Route

It's a way of determining how incoming requests are handled, and by which view functions by mapping (binding) URLs.





UTY



Let's dive into Flask!

Pengembangan Web Praktik

Tahun ajaran 2024/2025