

# **StudySpot**

System Design

Ammar Mohamed, Andrew Maged, Faris Maali

EECS 3311

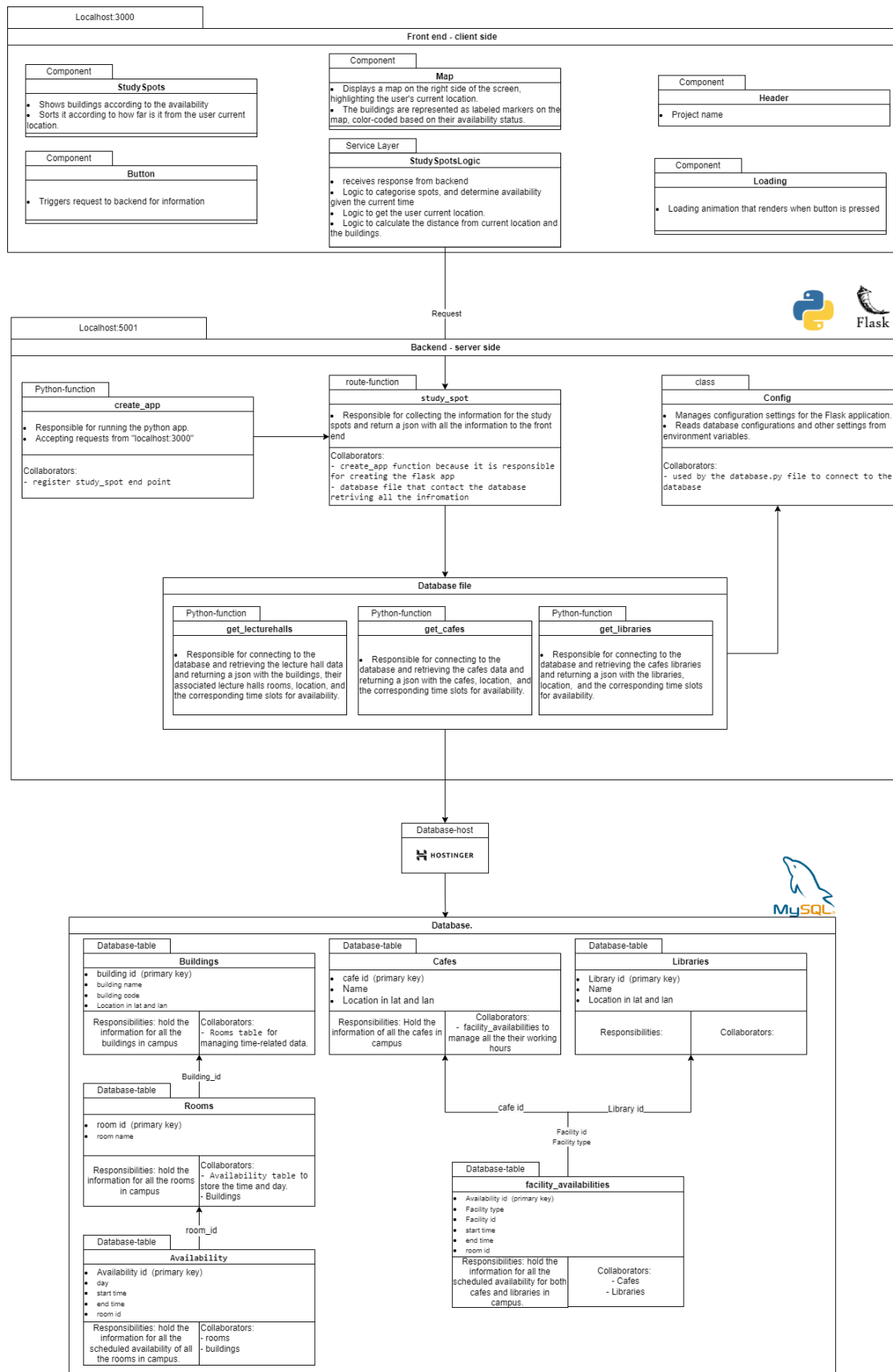
21 November 2024

Sprint 1

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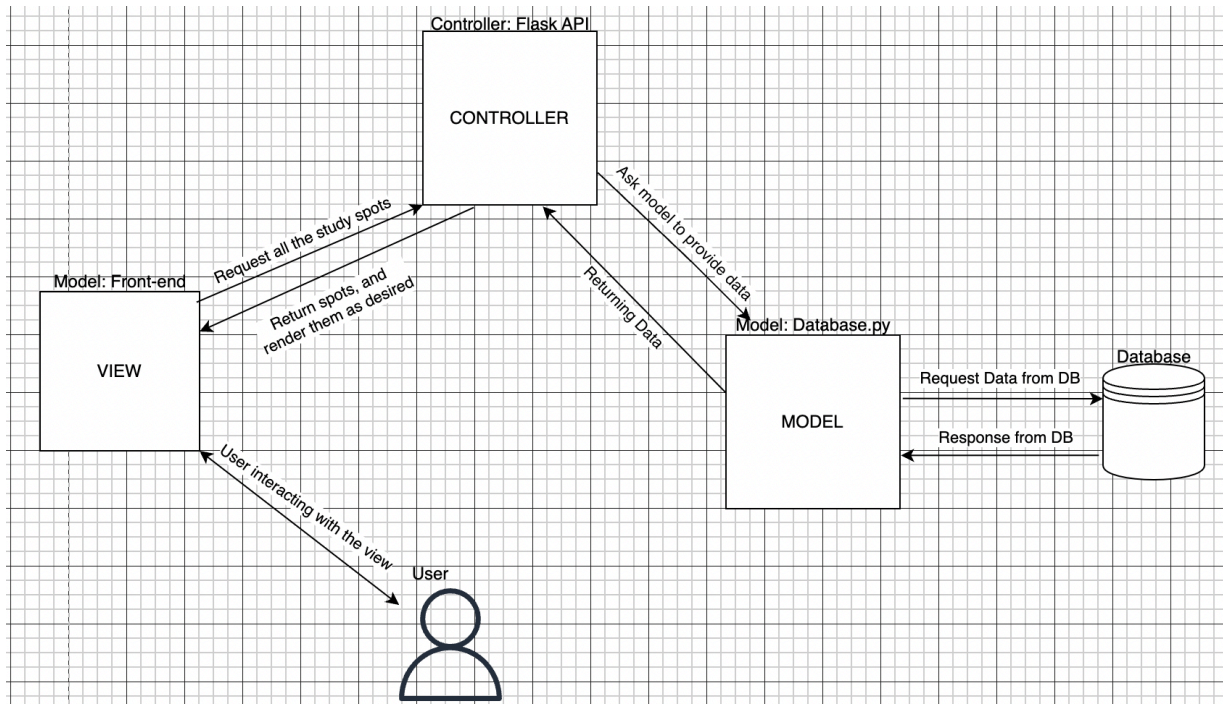
## CRC cards:

We show detailed CRC cards for our backend and database, and we show the various components of the frontend. Here is a detailed diagram:



## Software Architecture Diagram:

Our project follows the MVC architecture closely, with the view being our front end, implemented with Next.js, React.js, TailwindCSS and Typescript. Our controller is the python-flask api, and we have our model that communicates with our database to fetch the desired results. The diagram is given below.



For sprint 2, we updated our model to hold the coordinates of each location (which was obtained through a script), and our controller and view to sort spots based on location and display them interactively on a map.