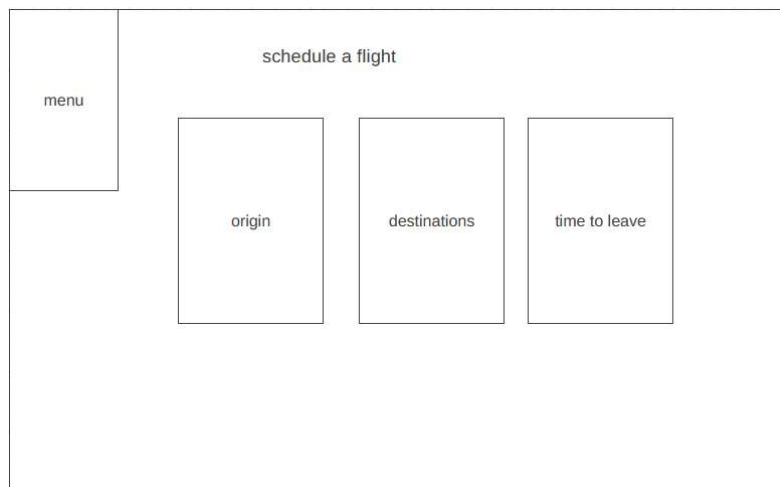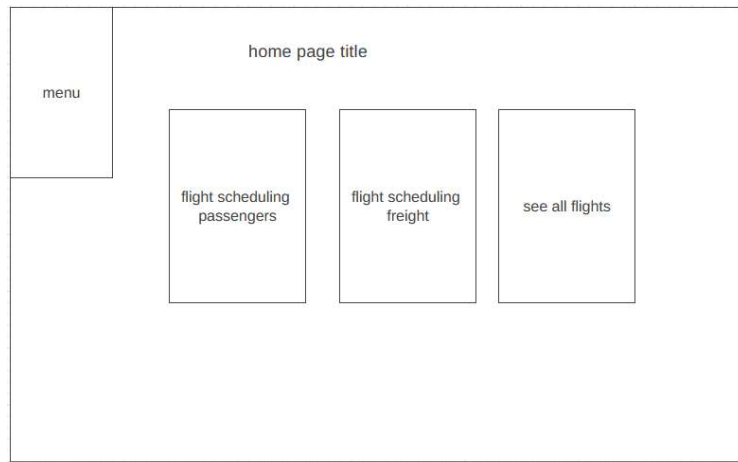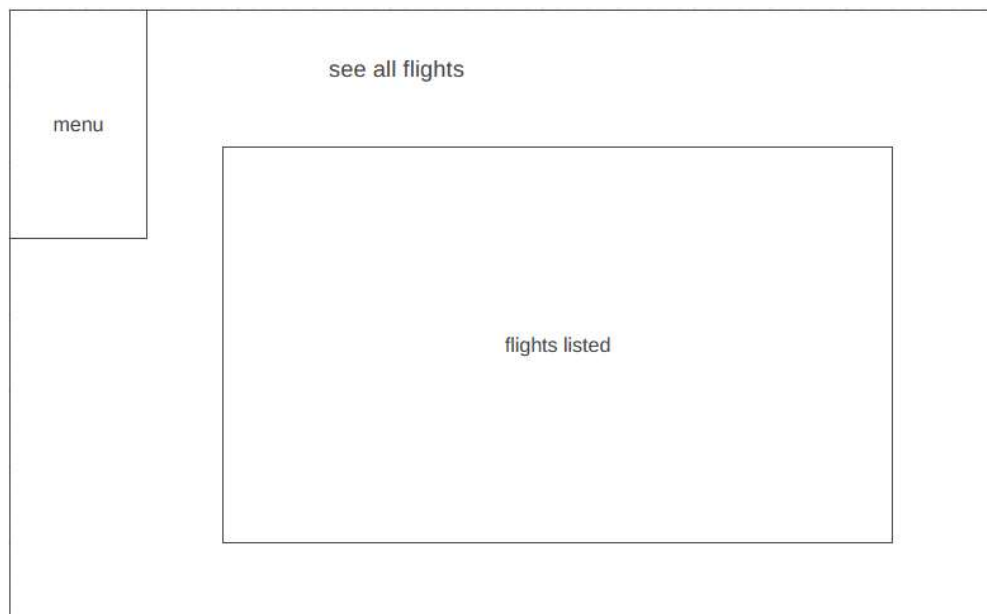Michael Shippee
CSPB 3287
Project Proposal

I want to build my project as a web app for my project. In order to build this, I will be using some html,

css, Python, Flask, SQLAlchemy (and SQLAlchemy raw, as described in the assignment), and SQLite.

Since I am just one person, the web app will have to be as bare bones as possible. It will focus on

viewing the database relations, and also on inserting/removing items into the db.

In order to fill the data, I will want to make multiple tables for different stations and stops (I am thinking of this like a bus route). I will also need a table for flights. Since the different stations and routes would be managed by different entities, my app will need to figure out how to relate these tables together in a way that is intuitive and also helpful. Inserting a flight into multiple tables at once, and canceling flights across multiple tables, will be one of my biggest challenges. I plan on using Python and SQLAlchemy to seed my tables with some initial time=0 data.

One of my original goals for this course was to deepen my appreciation for databases and how they interact with web apps. Building an app from the ground up with these tools, with a focus on this database, should fulfill that goal.