

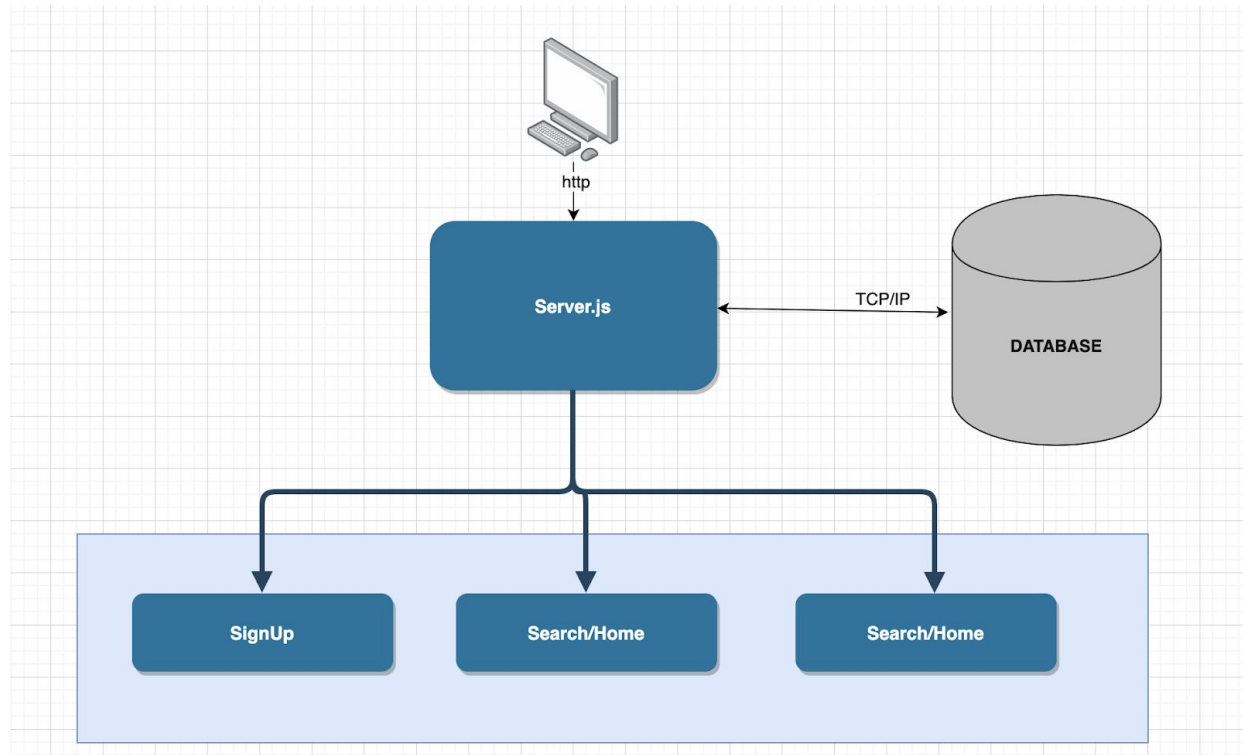
CSCI 3308- Milestone 4

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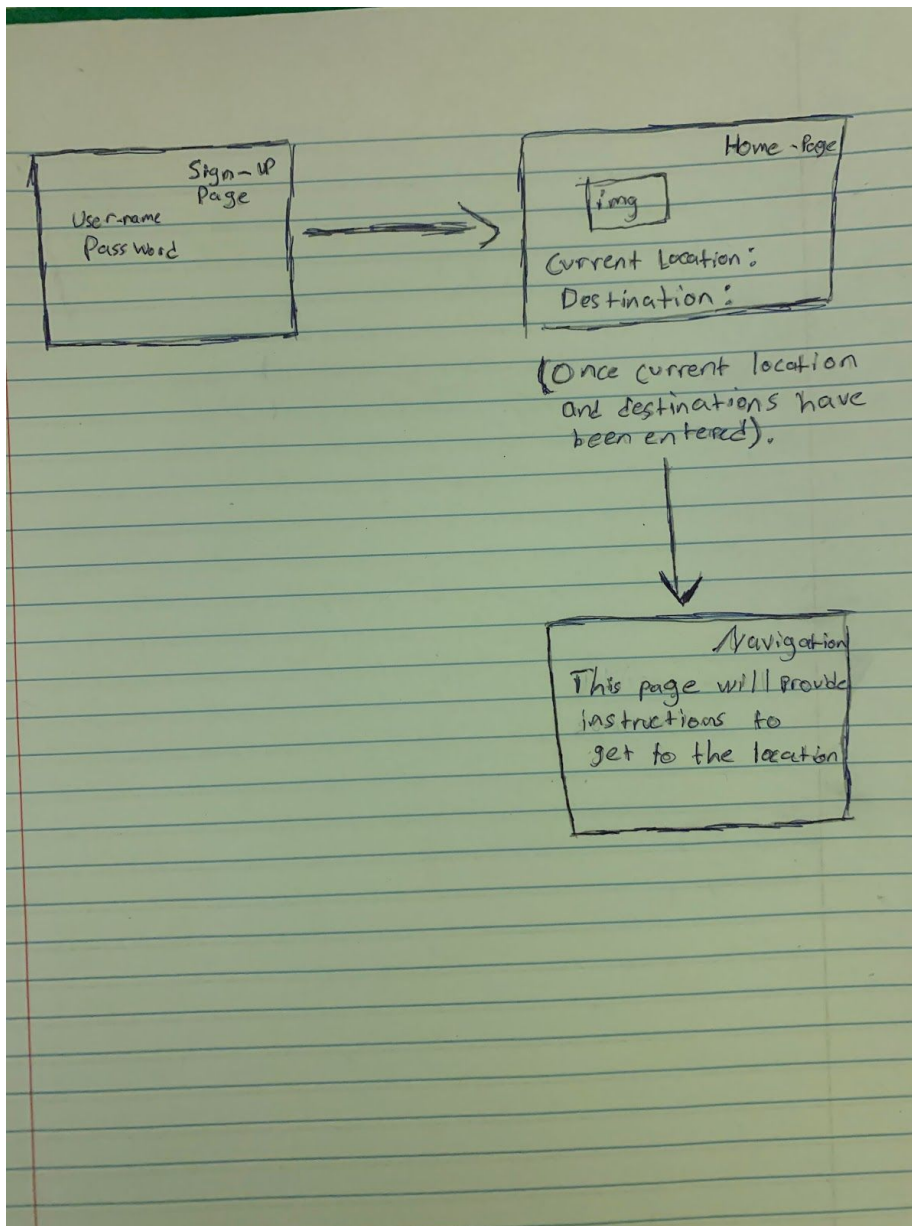
Updated Project Features (from milestone 2):

- There likely will not be a shortest path from one place to another in the building because we can no longer access the building to confirm which way would consist of the shortest distance.
- There also will not be directions to or from external buildings outside of the engineering center, as the engineering center is our main focus and the only building which is included in the database.
- Arrows for navigation may be added if there is enough time, however, the priority for navigation is to simply print out the directions from the database.

Architecture Diagram:



Front End Design:



Database Design/Documentation:

The database design will include a set of rooms ranging from 5-10 rooms, limiting the number of total and precise number of rooms we will be working with in the project. Limiting the rooms will help, as we will be unable to determine the precise room location without physically measuring it in the Engineering Center. The database will also consist of the type of room such as (bathroom, cafe, study center, or a regular classroom). The floor number, distance from point to point, and room number will all be represented in the database in the variable form of smallint while the room type will be represented by varchar. This will be implemented using postgresql which will then be displayed using node.js similar to lab 7.