

**BOOTS: SOPHIA C, EMAAN A, JUN JIE L**  
**DESIGN DOCUMENT**

**TARGET SHIP DATE: 2025-12-22**

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**APP OVERVIEW:**

Home Sweet Home is a website that allows users to hang out and explore their virtual home. Each tab will represent a different room and will contain its own interactive features, operated using APIs, to explore.

**TASKS/ASSIGNMENTS:**

**Sophia C. [PM & Frontend Developer]:**

- maintain devlog
- create html templates using jinja:
  - login.html
  - logout.html
  - register.html
  - bedroom.html
  - kitchen.html
  - livingRoom.html
  - Frontlawn.html (home)
  - settings.html
- write all css
- ensure navigation links work between pages

**Emaan A. [Middleware]:**

- initialize flask app
  - configure sessions
  - handle APIs
- user registration/login/logout
- Set up routes for html pages
  - /home, /bedroom, /kitchen, /livingroom, /settings, /login, /logout, /create
- requirments.txt

**Jun Jie L. [Backend]:**

- database organization (tables)
- write SQLite queries for authorization/login/logout

## APIS:

[411\\_on\\_FreeRecipeAPI.md](#) (Recipe Book Kitchen)

[411\\_on\\_JokeAPI.md](#) (Joke Book on Shelf in Bedroom)

[411\\_on\\_MoviesAPI.md](#) (Movie Shelf in living room)

[411\\_on\\_HolidaysAPI.md](#) (Calendar in Kitchen Wall)

[411\\_on\\_OpenWeather.md](#) (In the sky in Front lawn)

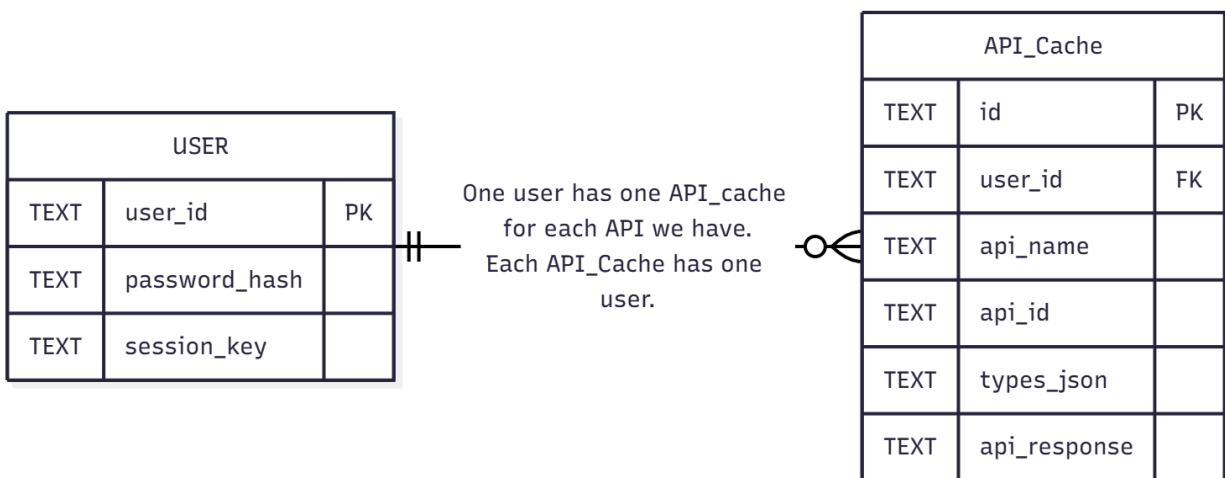
[411\\_on\\_TheCatAPI.md](#) (cat album in living room)

[411\\_on\\_The\\_Metropolitan\\_Museum\\_of\\_Art\\_Collection\\_API.md](#) (Museum Book on Shelf in Bedroom)

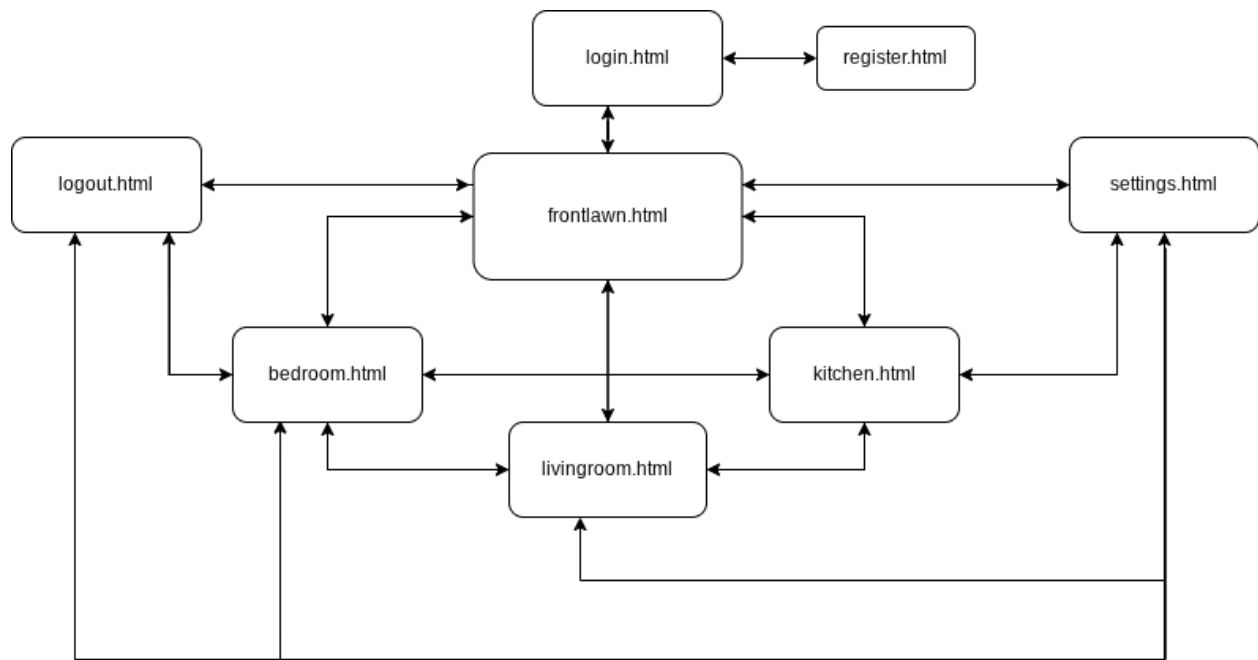
## FRONTEND FRAMEWORK:

We are using Foundations Framework for our Frontend. The features that will be included will be Buttons, Dropdowns, Slider, Switch, Menu, Dropdown Menus, Accordion Menus, a Top Bar, Section Alignment, Coloring, Icons, and other Containers like Cards, Images, and Reveal. We used Foundations because its features suited our styling the best.

## DATABASE ORGANIZATION (TABLES):



## SITE MAP



## COMPONENT MAP:

`__init__.py`: configures flask app, makes routes, handles authorization/login, builds database, handles all api calls

frontend framework/css styles html templates

jinja2 reads database and turns data to webpage

data.db: SQLite3 database

