

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

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

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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
  - createAccount.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
- user registration/login/logout
- incorporate API keys
- Set up routes for html pages
- 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.

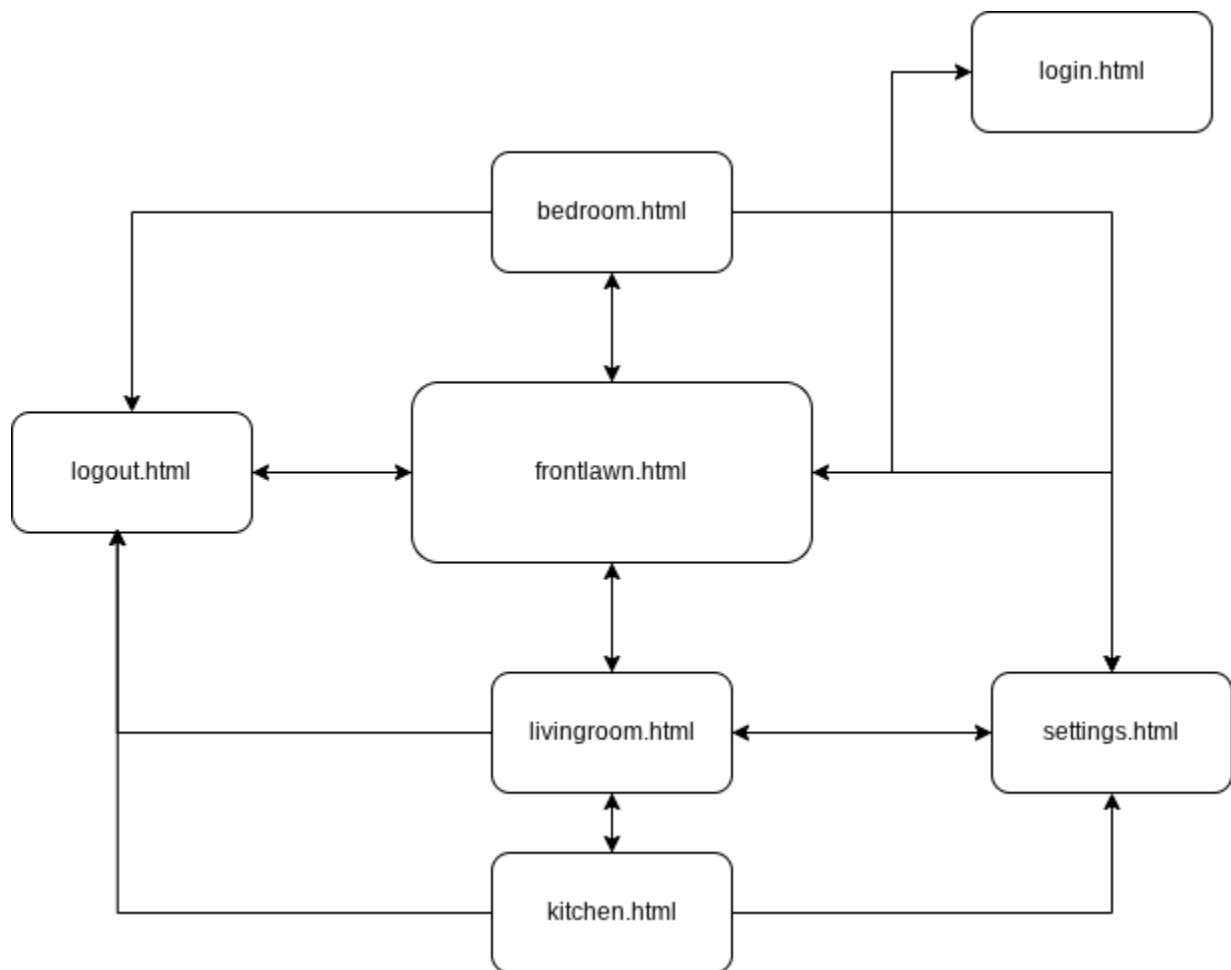
## DATABASE ORGANIZATION (TABLES):

(for each api)  
eg. movies

USER		
string	user_id	PK
string	password	
string	sessionKey	

API_Cache		
string	ID	PK
string	user_id	FK
string	api_name	
string	API_id	
string	types_json	
string	api_response	

## SITE MAP



## COMPONENT MAP:

Authentication component: creates new users, logs in existing users

API keys provide data to respective database tables

