

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
- requirements.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 Framebook 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.

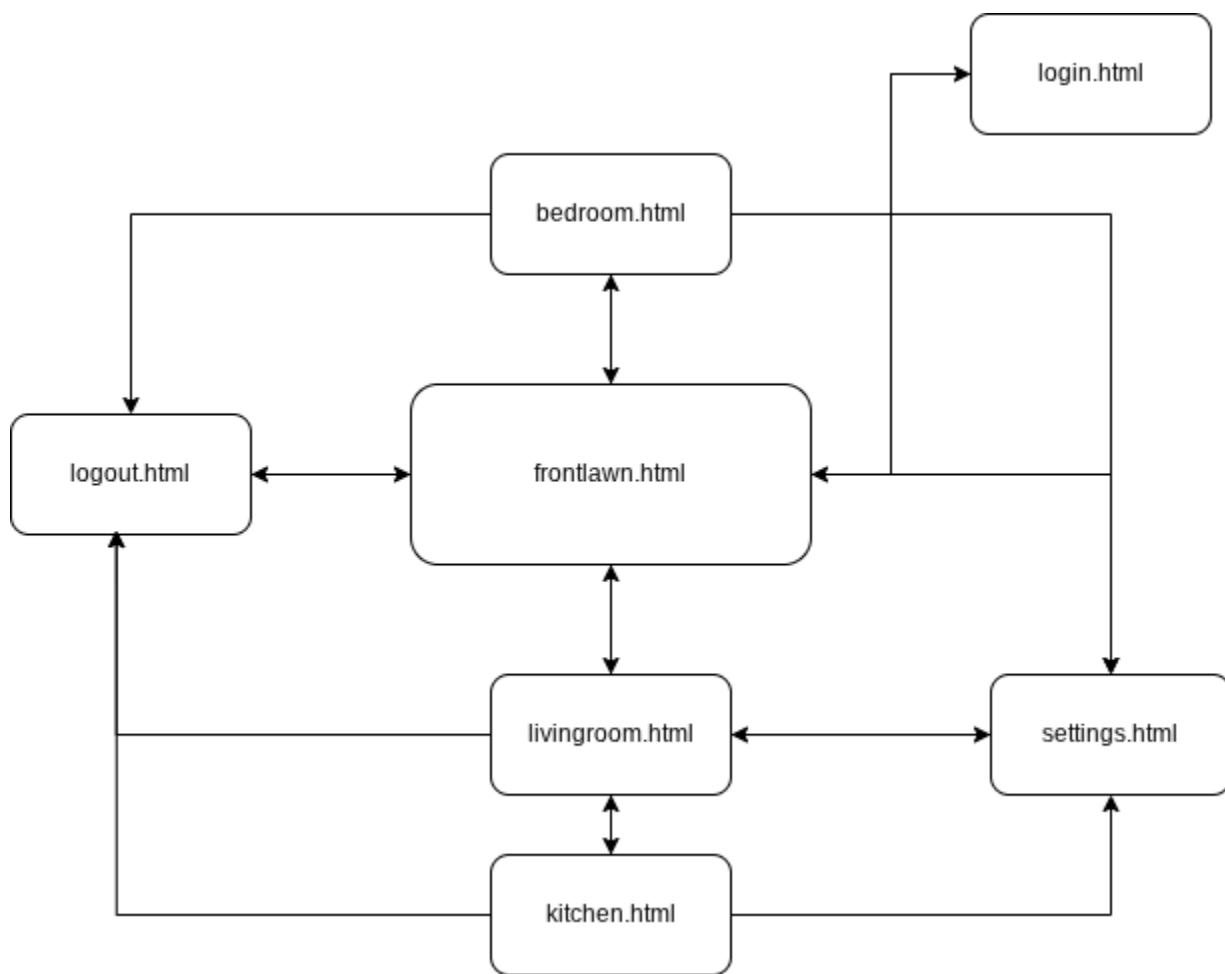
## DATABASE ORGANIZATION (TABLES):

USER		
string	user_id	PK
string	password	
string	sessionKey	

(for each api)  
eg. movies

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

