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

TARGET SHIP DATE: 2025-12-12

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 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	username	PK
string	password	
string	sessionKey	

SITE MAP

```
                                              ┌─────────────────┐
                                              │                 │
                                              │   login.html    │
                                              │                 │
                                              └─────────────────┘
                          ┌─────────────────┐
                          │                 │
        ┌─────────────────│  bedroom.html   │──────────────────────┐
        │                 │                 │                      │
        │                 └─────────────────┘                      │
        │                          ↕                               │
        ↓                          │                               ↓
┌─────────────────┐      ┌─────────────────┐              ┌─────────────────┐
│                 │      │                 │              │                 │
│   logout.html   │←────→│  frontlawn.html │←─────────────│   settings.html │
│                 │      │                 │              │                 │
└─────────────────┘      └─────────────────┘              └─────────────────┘
        ↑                          ↕                               ↑
        │                          │                               │
        │                 ┌─────────────────┐                      │
        │─────────────────│ livingroom.html │←────→────────────────│
        │                 │                 │                      │
        │                 └─────────────────┘                      │
        │                          ↕                               │
        │                 ┌─────────────────┐                      │
        │                 │                 │                      │
        └─────────────────│   kitchen.html  │──────────────────────┘
                          │                 │
                          └─────────────────┘
```
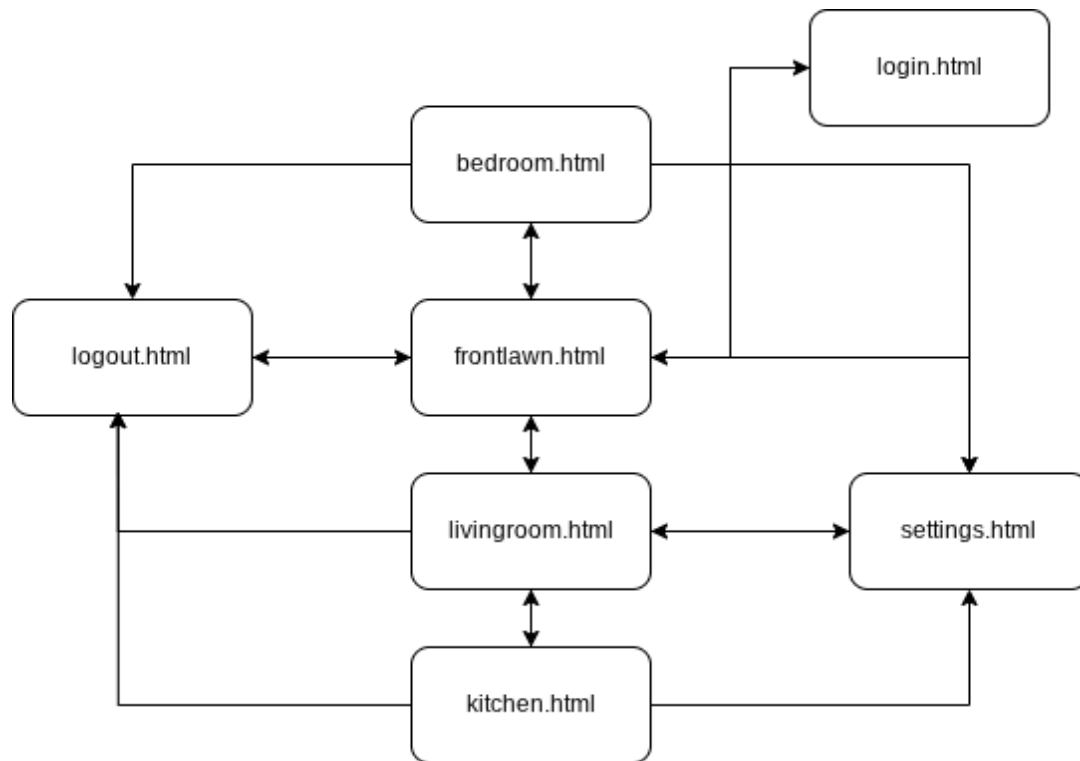
COMPONENT MAP:

Authentication component: creates new users, logs in existing users
API keys

| login.html | logout.html |

| settings.html | __init__.py | auth.db (users table) |

| createAccount.html |

| frontLawn.html |

| livingRoom.html | bedroom.html |

| weather api |

| cat API | movie API | metropolitan museum API | joke api |

| kitchen.html |

| holiday api |