

AIS

PM Brian Chen, Craig Chen, Maya Mori, Wilson Mach

SoftDev PD 2

Target Ship Date: 2023-06-13

P_05: Design Doc

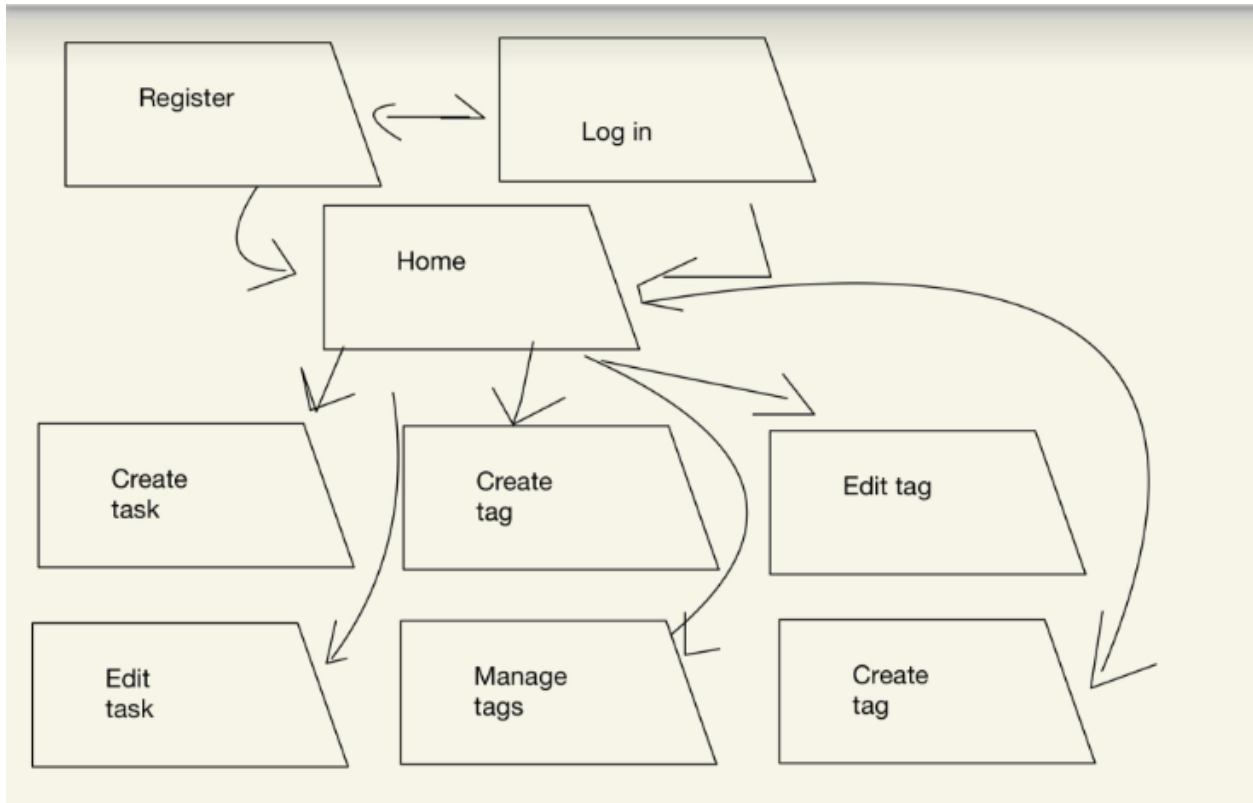
Website Description: A task manager that allows for the creation of to do lists and built in Pomodoro timers

- To do list
- Table
 - Title
 - Task
 - Due date
 - Tags
- Extra:
 - Linked youtube vids
 - Blinking timer
 - animations
 - Calendar view
 - Dark mode
 - Profile picture
 - Search bar for tasks

Framework: Bootstrap

- We all used Bootstrap before
- Has functionalities such as carousel that we want to use

Site map:

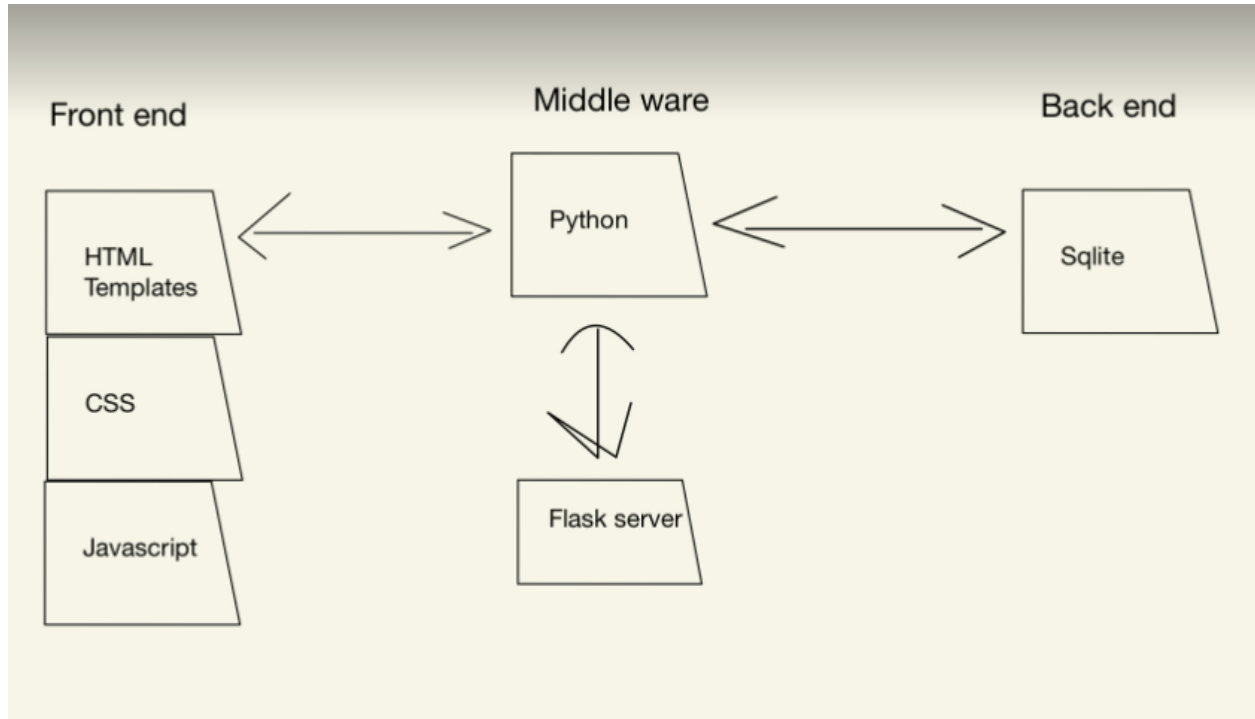


- Main page
 - Shows all tasks in order by due date
 - Can change status of tasks here
 - Can filter tasks by tags
- Create task
 - Add a title, description, tags
 - Should be able to create a new tag here too
- Create tag
 - User chooses a color and a name (no duplicates)
 - Option to add the new tag to tasks in bulk
- Task page
 - Complete description of task
- Edit task
 - Change anything about it
 - Should be able to create a new tag here too
- Manage tags
 - List of all tags
- Edit tag
 - Change the name or color of a tag
 - Check for duplicate tag names

A task can contain:

- Title (required)
- Description
- Tags
- Due date (required)
- Status (done, not done)

Component Map:



Python:

- db.py: connects database with flask server (manipulates sqlite)

SQLite:

- data.db
 - users: stores users' login info
 - tags: stores the tags of tasks
 - tasks: stores tasks data

Flask:

- __init__.py: Flask is used to render templates to server

HTML Templates:

- login.html
- Signup.html

- main.html
- create_task.html
- create_tag.html
- tasks.html
- edit_task.html
- manage_tags.html
- edit_tag.html

Javascript:

- style.js: holds JS code for styling purposes
- timer.js: holds JS code for timer functions
- buttons.js: JS for buttons

CSS:

- style.css: hold CSS code for styling purposes

SQLite:

Tables

users

user_id	username	password

tags

tag_id	user_id	name	color

tasks

task_id	user_id	title	description	status	year	month	day	hour	min	tags
unique	Who's task this is							24-hr time		tag_ids split by commas

- user_id will be used to filter through the other tables, getting only the data for the user logged in

Breakdown of Tasks:

1. Sqlite: Brian + Craig
2. Flask/JS: Wilson
3. HTML/CSS: Maya