

AIS

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SoftDev PD 2

Target Ship Date: 2023-06-13

P_05: Design Doc

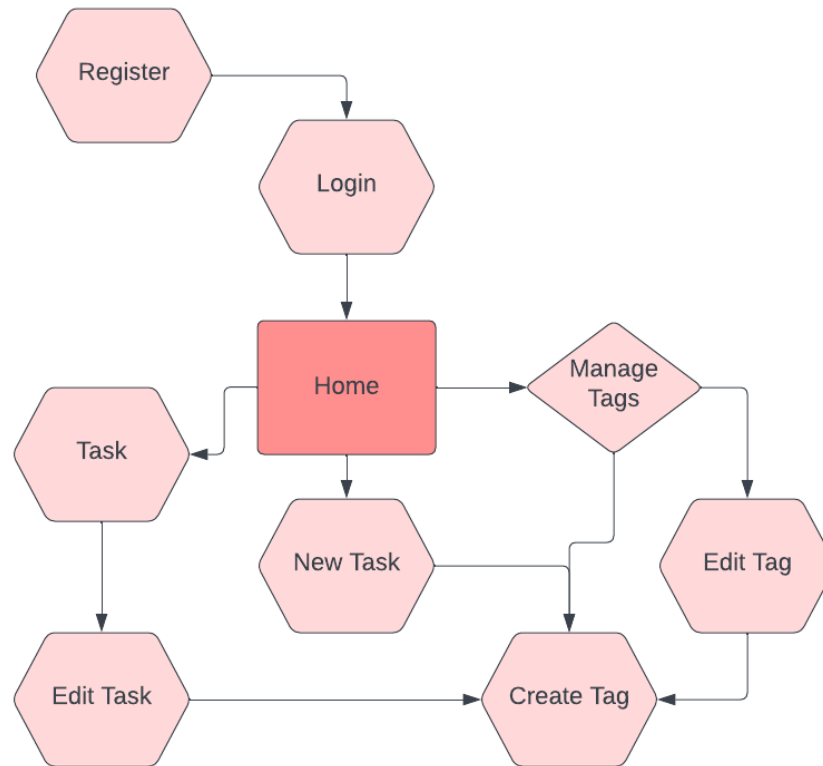
Website Description: A task manager that allows for the creation of to do lists sorted by due date and users can use tags to query tags.

- To do list
- Table
 - Title
 - Task
 - Due date
 - Tags

Framework: Bootstrap

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

Site map:

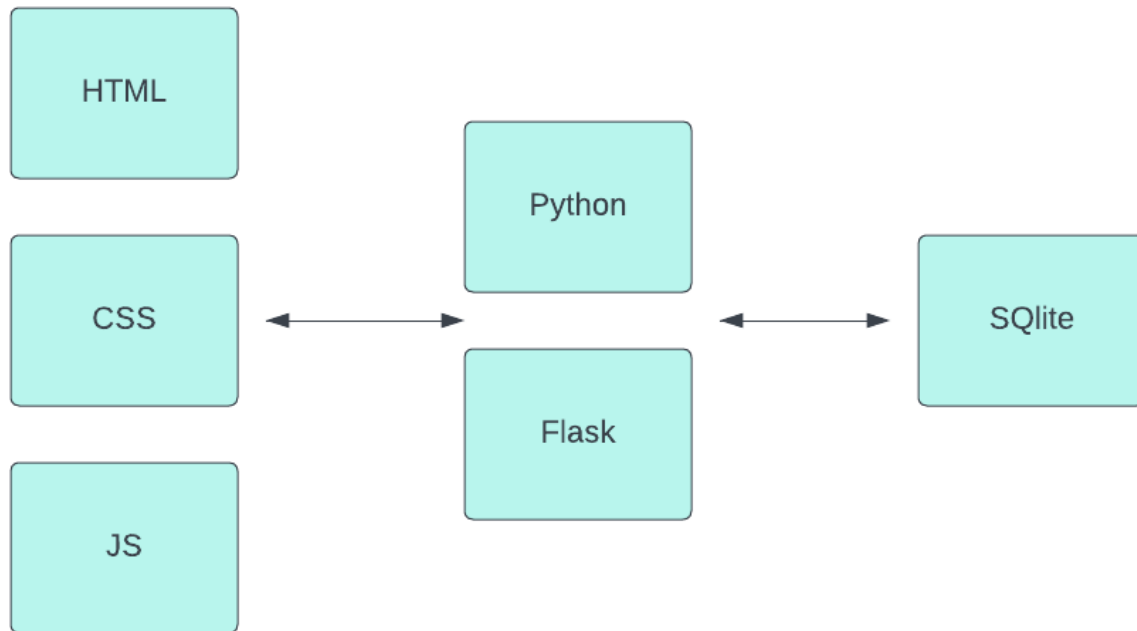


- Main page
 - Shows all tasks in order by due date
 - Can filter tasks by tags
- Create task
 - Add a title, description, tags
- Create tag
 - User chooses a color and a name (no duplicates)
- Task page
 - Complete description of task
- Edit task
 - Change anything about it
- Manage tags
 - List of all tags
 - User can click one to edit
- 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 (completed, in progress, not started)

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:

- landing.html

- login.html
- signup.html
- home.html
- create-task.html
- create-tag.html
- edit-task.html
- tags.html
- edit-tag.html
- home.html
- view-task.html
- queried-tasks.html

Javascript:

- Show-tag-preview.js - JS for showing what the tag will look like in real-time

CSS:

- style.css: hold CSS code for styling purposes

SQLite:

We will use the row_id (already automatically built into every SQLite table) in each table to uniquely identify the user, tag or task.

Tables

users

rowid	username	password
Doubles as user_id	No duplicates!	

tags

rowid	user_id	name	color
Doubles as tag_id			

tasks

rowid	user_id	title	description	status	year	month	day	hour	min	tags
Doubles as task_id	Whose task this is			Completed, In progress, not started				24-hr time		tag_ids split by commas

- The rowid from the user table (AKA user_id) will be used to filter through the other tables, getting only the data for the user logged in
- For status:
 - 0: not started
 - 1: in progress
 - 2: completed

Breakdown of Tasks:

PM: Brian

Flask/JS: Wilson

Filtering tasks by tag - Wilson

Droplet - Brian

HTML/CSS/JS: Maya

SQLite for tags and users - Maya

Other SQLite - Brian and Craig