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SoftDev pd2
P04 – Smithy | Design Doc
2022-05-24

Project Description:

Our project will be a review site where users can upload their softdev projects and have other people review and rate them. They can leave comments, rate the project out of 5 stars and also access the other team's project via a link. They will also have their github repository listed in the description. This will hopefully be used for future softdev classes for them to use it.

Program components:

- HTML
    - Login/Register - Allowing users to both upload their app and provide comments on other apps
    - "/"
        - The user can scan through the various projects that are available
    - "/login"
        - Asks the user for username and password and sends them to /auth.
        - If successful, redirects to /
    - "/auth"
        - Checks the username and password from /login
    - "/register"
        - Asks the user for a new username and password and checks them.
        - If successful, redirects to /login
    - "/rAuth"
        - Checks the username and password from /register
    - "/logout"
        - Logs the user out
    - "/upload"
        - user

- Previewing apps and their GitHub pages can be done without authentication
- CSS
    - We will be using Bootstrap as our front-end framework because we think it looks better visually.
    - Features we will be using:
        - Good looking review system

- Good looking commenting system
- Clean fresh look to preserve through the ages
- Javascript
  - Using it for the stars for them to become visible and ratings
- SQl Tables
  - **Login Table**
  - **Projects Table**
  - **Comments Table**
  - **Rating Tables**

Templates:

Panel 1 — Project listing
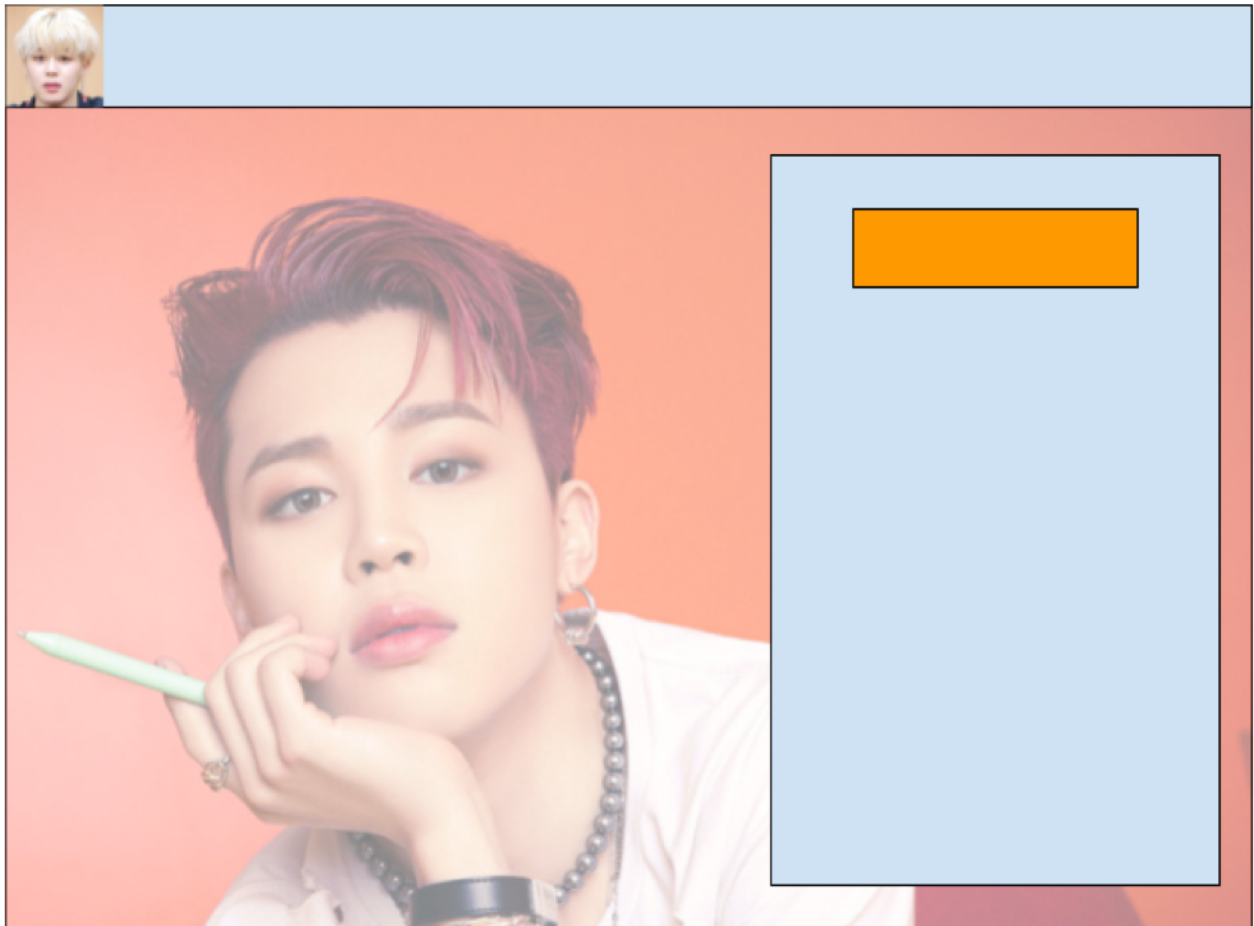
Jimin Project

☆☆☆☆☆

lol

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Panel 2 — Landing page

Project Reviewal

Sign Up/Login

Feature 1

Feature 1

Feature 3

Panel 3 — Draft form

Draft #1

Title

Title

Site

URL

Description

lol

○ Form submitted

○ Project Approved

○ Published!

Comments from Mr. Mykloyk

Panel 4 — Project Minesweeper (Description)

Project Minesweeper

Description | Comments

Panel 5 — Project Minesweeper (Comments)

Project Minesweeper

Description | **Comments**

11 ⇧⇩ ☆☆☆☆☆

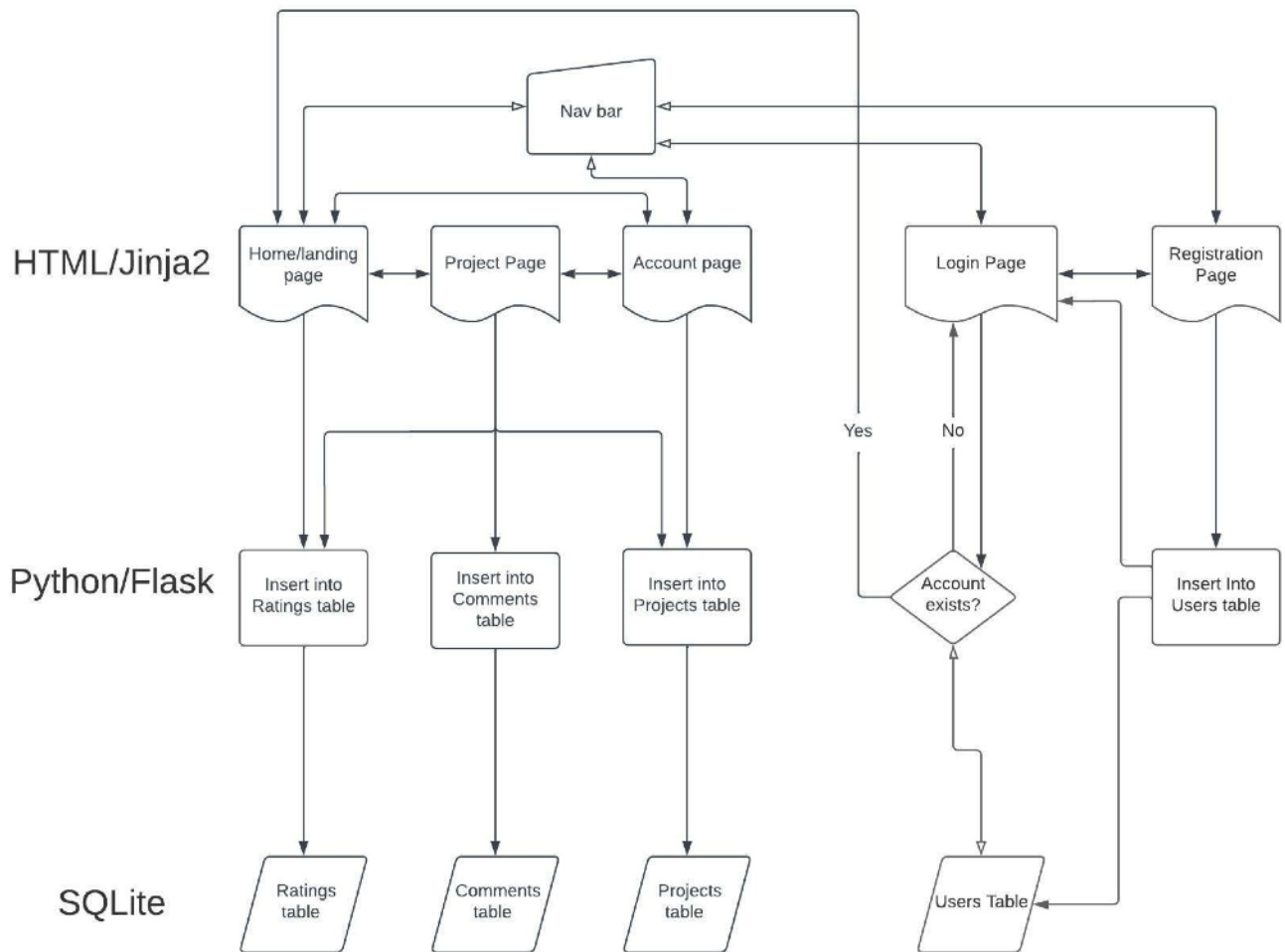1 ⇧⇩

Rate me! ☆☆☆☆☆

Component Map:

Database Organization:

<u>users</u>

user_id	stuy_ username	password (salt + hash)	fname	lname
…	…	…	…	…

We can implement user ratings later; must its own table

<u>Projects</u>

project_id	project_title	author_ids	avg_rating
…	…	…	…

Comments

comment	project_id	user_id	upvotes	downvotes	anonymous
...	...	...	...	...	...

Ratings

project_id	user_id	rating
...	...	...

Favorites

user_id	favorite (project_id)
...	...

Site Map:
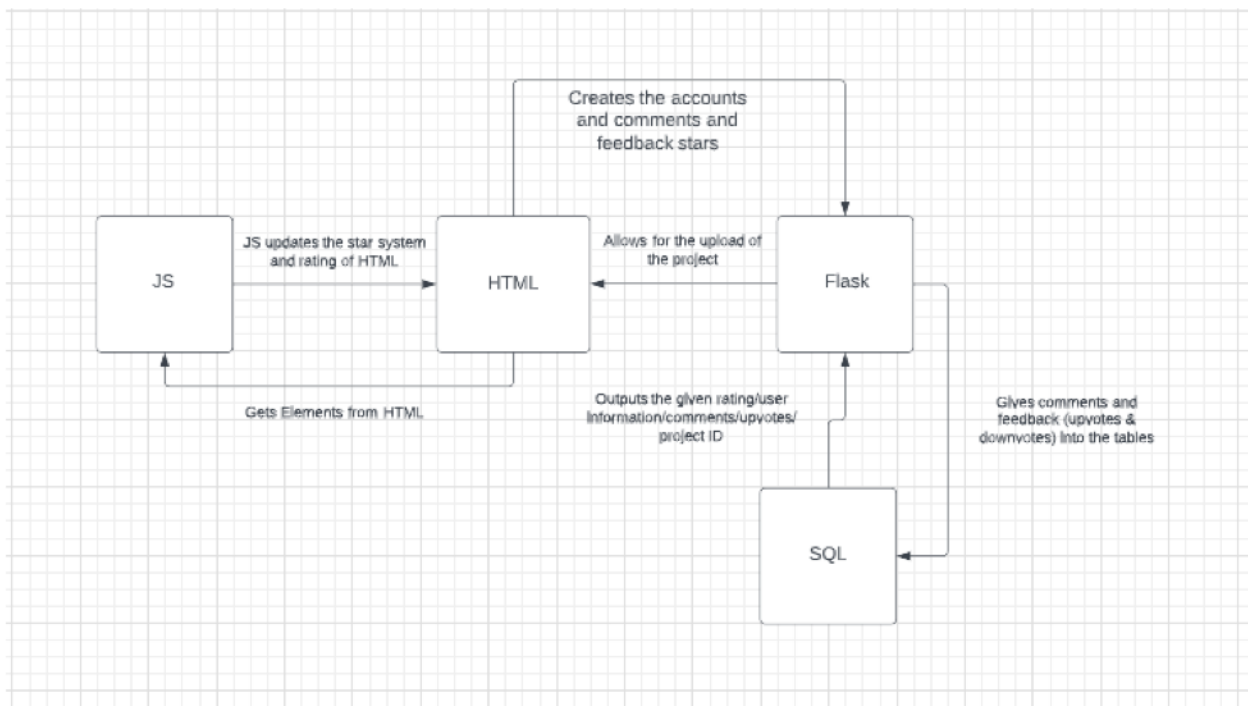
/ (home page, provides link to register/login)
/register (registration form)

/login (login form)
/post (list of posts)
/post/<projectID> (project page)
/create (create a project post)
/profile (view profile, view points and awards and own project pages)
/requests (only available to admin to accept/decline projects to be posted)

Frontend Framework:

We plan on using Bootstrap, utilizing the easy to import javascript and the clean and easy to use classes in order to make sure the information is properly laid out.

Good Bootstrap Features:

- Containers!
    - Useful for automatically creating a consistent website: margins, padding, spacing, etc…
- Alerts are a nice type of container that (may not be used for intended purpose here but) look very nice and allow access to other container colors.
    - Some listed items on main pages will likely be in Alerts, as well as actual alerts, like login errors and such.
- Dropdowns are easy to create, look nice and are user-friendly.
    - Used in a navbar of some sort perhaps.
- Buttons have a lot of support classes for aesthetics and links can be made to look like buttons
    - Navigation between pages
    - Form submission
- Display headings are special text classes that allow for much larger and well formatted headings
    - Title, TNPG or other large headings
- Forms in bootstrap are well supported and come with good-looking default classes.
    - Settings/modes and other submissions
- Tables and auto formatted (but controllable) columns
    - Positioning different page elements in rows
- Lots of *text utility* like sizing, s p a c i n g,   margins , **font weight** and `more`.

Task Division:

Alejandro Alonso (PM): frontend devo

- Frontend: jinja2 and html
- Flask and website main functions

- Project page

Noakai Aronesty: frontend devo
- Frontend: bootstrap, css
- Authentication functions
- Accounts page and rating

Justin Zou: backend devo
- SQLite and db
- Project page
- Flask and website utility functions

Ivan Lam: backend devo
- SQLite and db
- Accounts page and rating
- Nav bar

Target ship date: Jun 10, 2022