

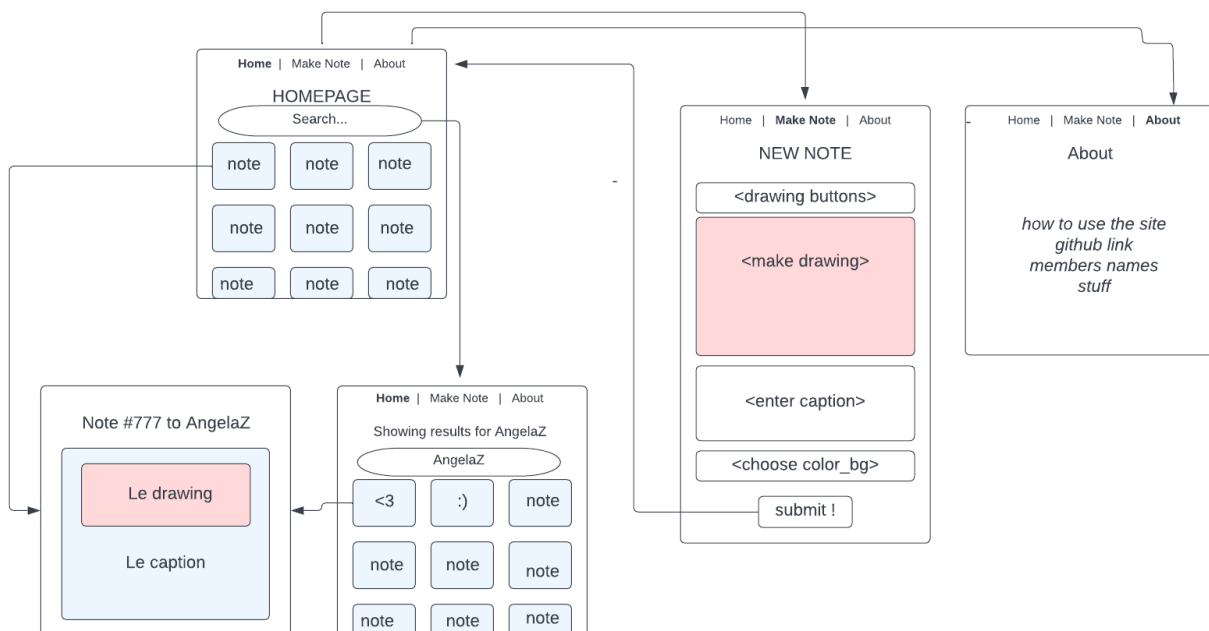
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SoftDev Pd2
P04 -- Project Iris | Design Doc
2022-05-24

Project Description:

Project Iris is a collection of anonymous drawings with notes like that of The Unsent Project (<https://theunsentproject.com/>). The Unsent Project is made up of texts that were not sent towards their loved ones, in it you can choose color and a name to send it to. On Project Iris, you can see notes in order of time submission and are also able to search for notes directed towards a certain name. In addition to text, users will be able to attach drawings to their notes.

Templates:

https://lucid.app/lucidchart/010a1646-c4fb-4891-b018-ffe6ee149cba/edit?viewport_loc=-11%2C-11%2C1317%2C940%2C0_0&invitationId=inv_56db7d2f-0846-4f2d-944d-0a7944bc562b#



Program Components:

Frontend

HTML

- “/home” displays all notes in chronological order.
 - When you click on them the notes would pop up.
 - Contains a search bar to search for the notes by name
- “/register” allows the user to register a new account
- “/note” displays an individual note that is clicked on
- “/notes” page to create a new note.
 - Button to switch between drawings and captions.
- “/about” page with text to explain how everything works.
 - Can lead back to all other pages. (holds no real use and can be deleted)
 - Only works when the user is logged in

CSS

- Will use Sass (TED Talk by Eliza Knapp and Ella Krechmer:
<https://docs.google.com/document/d/e/2PACX-1vQ5TOOYxSDcK5hJTT93osGrCvWFn1wcqZVPGUu0vGEz2U7TuSAYb0k4DBR5l7MdzWupt3iQpKGlcxiD/pu>
b)
- Used for displaying the notes

JS

- Will use React (TED Talk by Alif Abdullah and Jesse Xie:
https://docs.google.com/document/d/e/2PACX-1vRUR4Lstdb2zHVgk03U_2s7XzZHfLvSrH6sn8V8dgx8YOnDd4gJDB5V46BeaocatREJC9GBZQyxYYKN/pub)
- Used for drawing notes with canvas, which will be separate from the text boxes the user can use to type out a message.
- Drawings on canvas will be saved using canvas.toDataURL

Backend

Python / Flask

- Rendering pages
- Searching for notes
- Sorting notes

Database

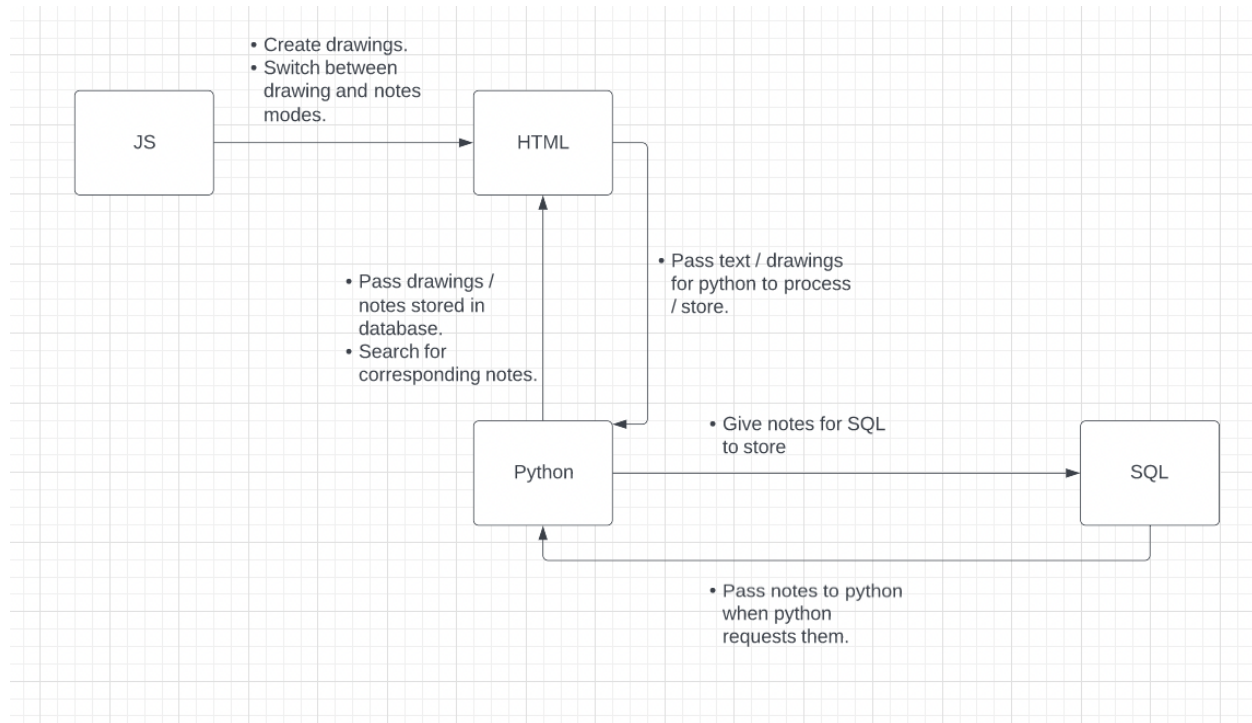
- Used to store, search for, and sort notes and preferences.

Additional Possible Features:

- Tag system for sorting
- Liking system
- Commenting system using just text and not another note
- Saving favorite posts as images

Component Map:

https://lucid.app/lucidchart/c7792fc7-8678-47be-9b8a-04a72e0b571f/edit?viewport_loc=3%2C-185%2C1772%2C1573%2C0_0&invitationId=inv_8c512f4e-92df-42cc-8219-4a1706ce672d#



Database Organization:

We will be using sqlite3.

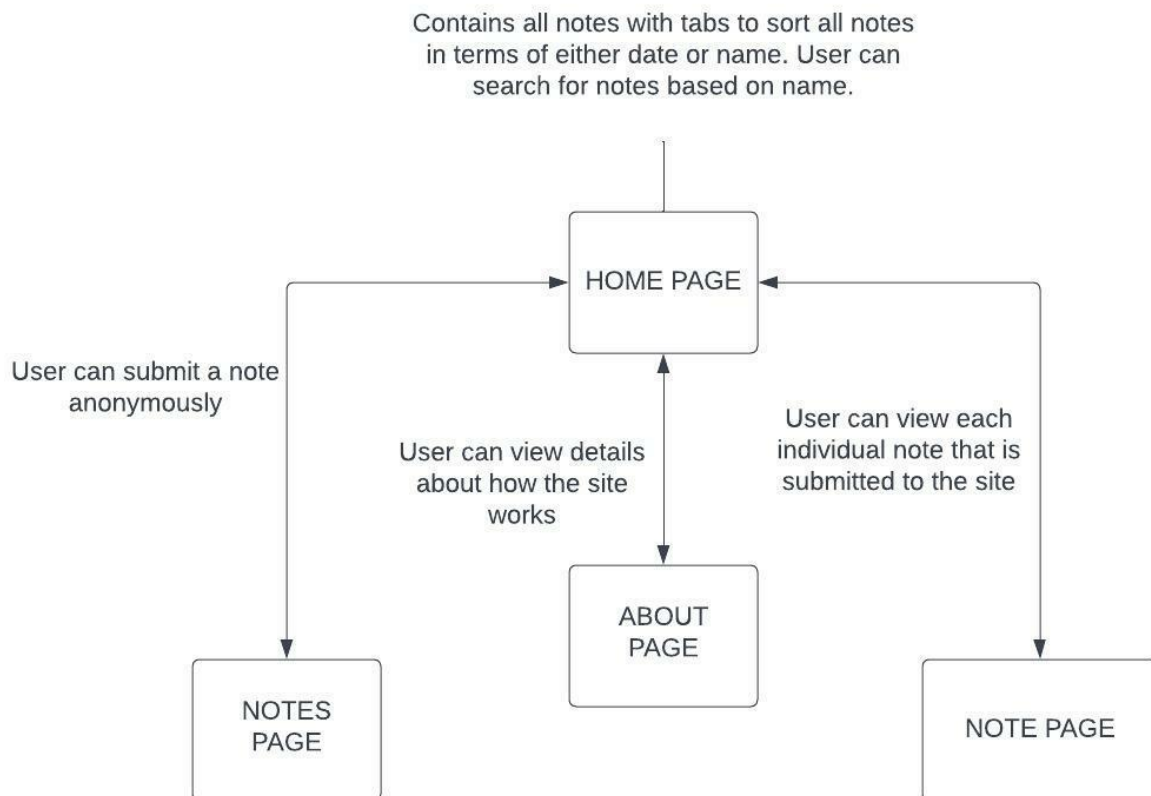
Table for all SUBMISSIONS in order of time

Recipient <string>	Color_bg <hex code in string?>	Text <string>	Picture 	Time submitted <text>
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- When submitting a drawing with or without the note, it will be saved in all SUBMISSIONS

Site Map:

https://lucid.app/lucidchart/5ff98dd7-8858-421c-b80d-7169c10d8ea0/edit?viewport_loc=-308%2C-93%2C2294%2C1212%2C0_0&invitationId=inv_9db1bb8e-d924-492b-9dc2-3978db7b798d#



APIs:

- PurgoMalum
(https://github.com/stuy-softdev/notes-and-code/blob/main/api_kb/411_on_PurgoMalum.md)
 - Will be used to remove profanity from notes.

Task Division:

Roshani:

- Python/Flask (rendering pages, searching for and sorting notes)

- CSS (home and note pages)
- Deploying app onto droplet

Yuqing:

- JS (canvas work for the drawings)
- Database (searching for notes)

Angela:

- HTML files (templates)
- Database (storing and sorting notes)

Hebe:

- CSS (notes and about pages)
- Helping out with JS (canvas work)

If time permits, we will all work on the additional features.

Target Ship Date:

06-06-2022