

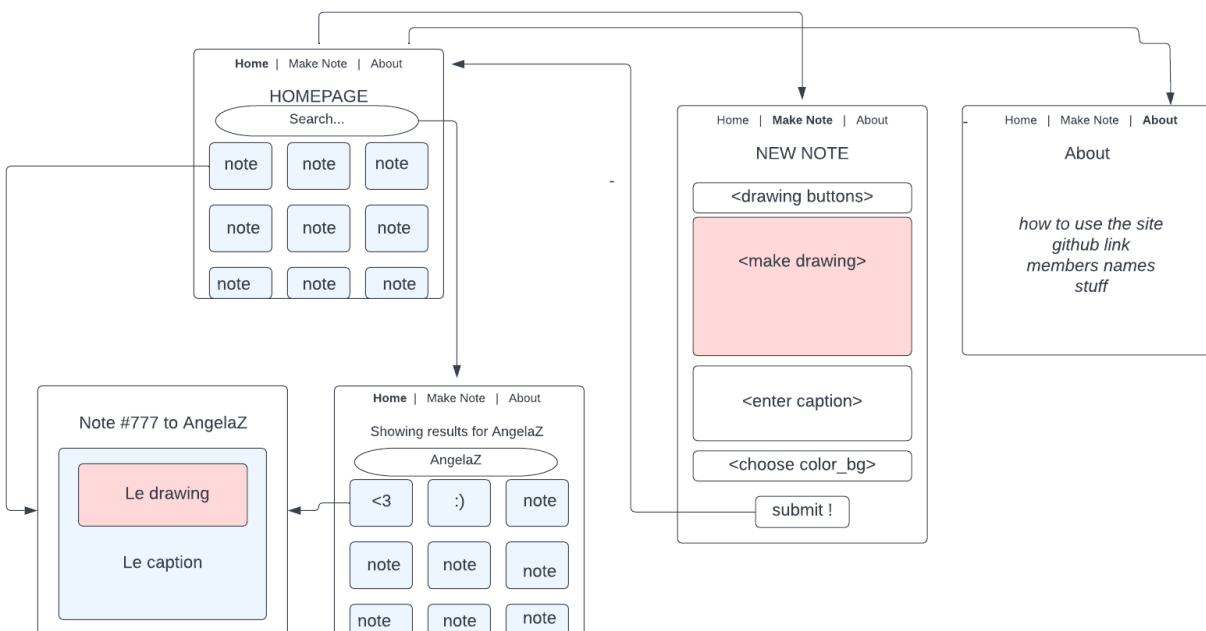
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SoftDev Pd2
P04 -- Project Iris | Design Doc
2022-05-24

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
- “/login” allows the user to log in
- “/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)
- “/view” displays all the anonymous notes the user has submitted
 - 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_2s7XzZHfLvSrH6sn8V8dgx8YOnDd4gJDB5V46BeaocatRFJC9GBZQyxYYKN/pub)
- Used for drawing notes with canvas.

Backend

Python / Flask

- Rendering pages
- Searching for notes
- Sorting notes

Database

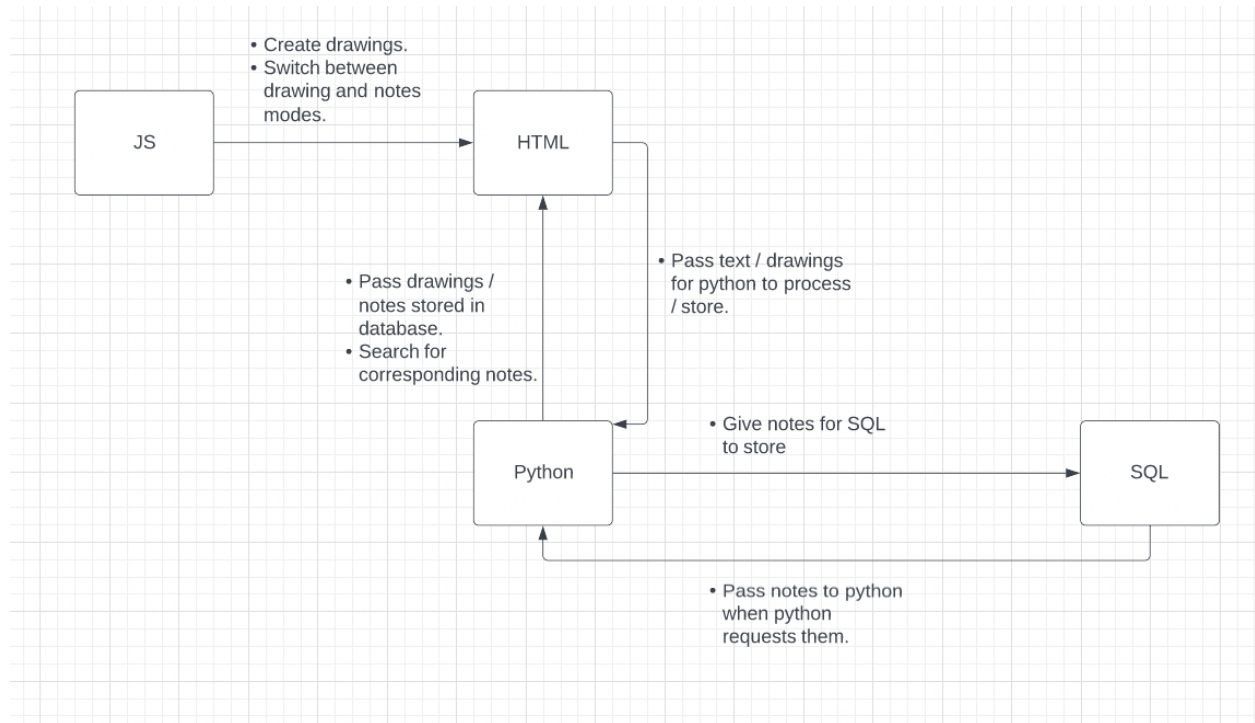
- Used to store, search for, and sort notes and preferences.

Additional Possible Features:

- Tag system for sorting
- Liking system
- Commenting system
- 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 NAMES (recipients of the notes)

NAMES

List that links to the other lists of individual names
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Table for INDIVIDUAL_NAME

Color_bg <hex code in string?>	Text <string> (this can be null)	Picture 	Time submitted <int>
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Table for all SUBMISSIONS in order of time

Recipient <string>	Color_bg <hex code in string?>	Text <string>	Picture 	Time submitted <int>
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- When submitting a drawing with or without the note, it will be saved in all SUBMISSIONS, and then also under a separate table under the INDIVIDUAL_NAME of the recipient
 - Thus when loading the search page or the home page, you would get things in order of the time it was submitted.

Table for all USERS

NAMES	List that links to the other lists of individual names
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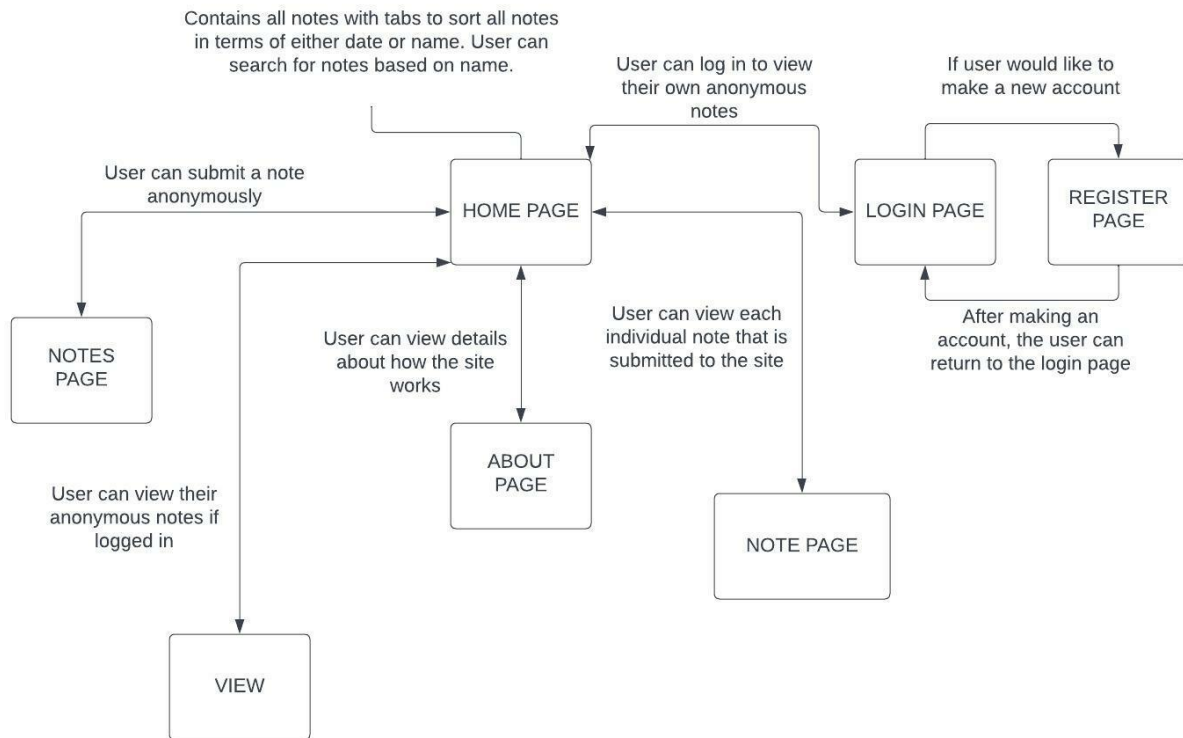
Table for USER

Recipient <string>	Color_bg <hex code in string?>	Text <string>	Picture 	Time submitted <int>
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- When submitting a note, it will also be saved under the USER table of the user who submitted it if they are logged in.
 - This will help when loading the view page.

Site Map:

https://lucid.app/lucidchart/5ff98dd7-8858-421c-b80d-7169c10d8ea0/edit?beaconFlowId=0FCB97A73CC4B667&invitationId=inv_9db1bb8e-d924-492b-9dc2-3978db7b798d&page=0_0#



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, login, and register 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, note, 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