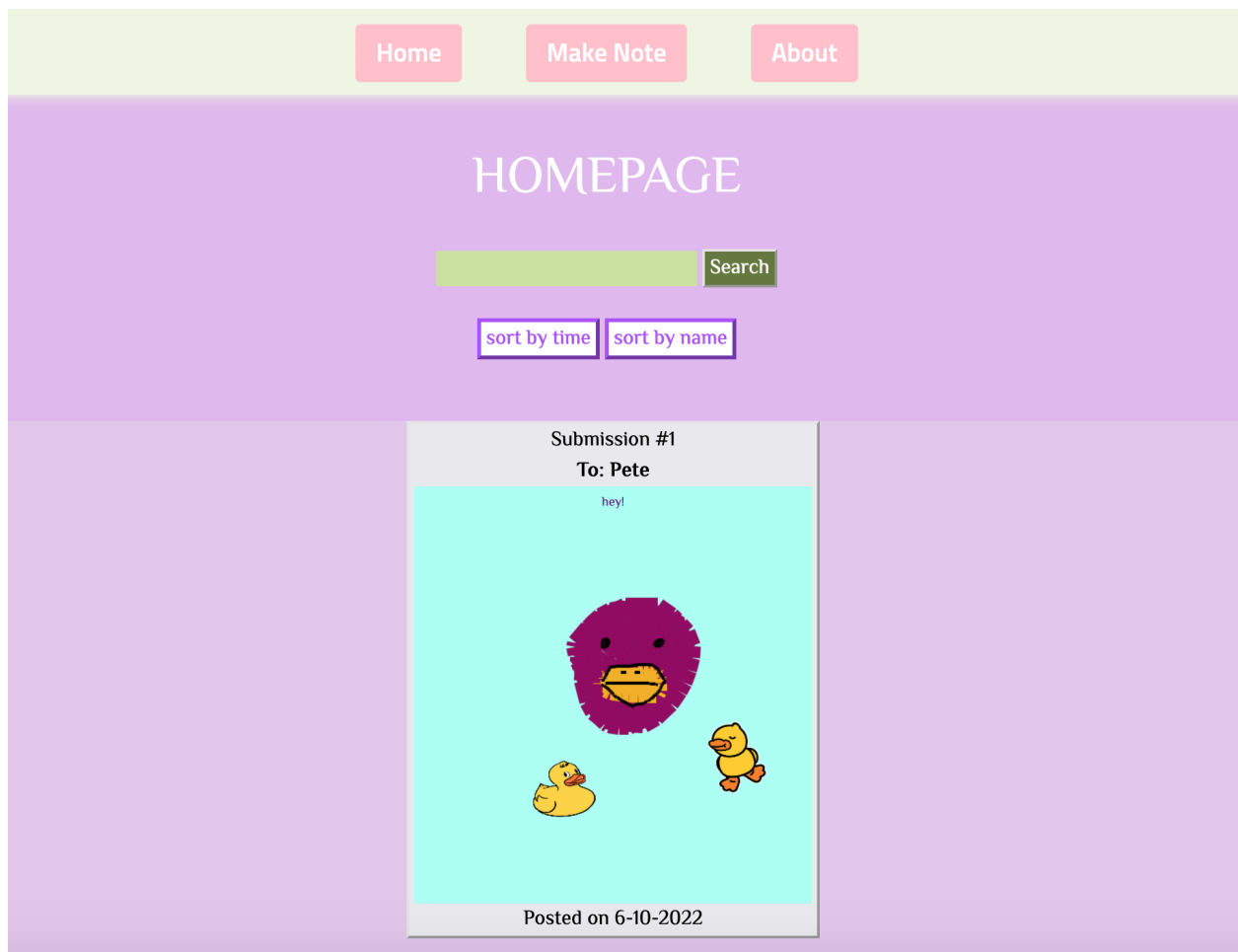Sleepy Starfish - Roshani Shrestha (Pete), Yuqing Wu (Zero), Angela Zhang (Inky), Hebe Huang (Umbreon)
SoftDev Pd2
P04 -- Project Iris | Design Doc
2022-05-24

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:

Background Color Picker:

Message Color Picker:

Pen Color Picker:

Pen/Eraser Size:

○ Pen

○ Eraser

Clear Canvas

To:

Message:

Maximum 45 characters
Line breaks will be converted to spaces

Submit

Search for stickers to put on the canvas!

Search

ABOUT US

Welcome to Project Iris!

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.

Program Components:

Frontend

HTML
- "/home" displays all notes.
    - By default, the notes are displayed from most recent to least recent.
    - Notes are clickable and send the user to a separate page for the note that was clicked on.
    - Contains two buttons to sort the notes either by time (which is the default) or name.
    - Contains a search bar to search for the notes by name.
- "/note" displays an individual note that is clicked on
- "/newNote" page to create a new note.
    - Contains a canvas for drawings as well as color pickers for the background, message, and pen. The user is able to choose between a pen and an eraser. There is a slider for pen size and a button to clear the canvas.
    - Contains text boxes for the recipient name and the message.
- "/about" page with text to explain how everything works.
    - Can lead back to all other pages.

CSS
- We will use Bootstrap as a frontend framework.
- Used for displaying the notes.

JS
- Used for drawing notes with canvas, which will be separate from the text boxes the user can use to type out a message.
- Used for dragging stickers onto the canvas
- Drawings on canvas will be saved using canvas.toDataURL
- Used for saving notes

Backend

Python / Flask
- Rendering pages, displaying notes
- Sending notes
- Searching for notes
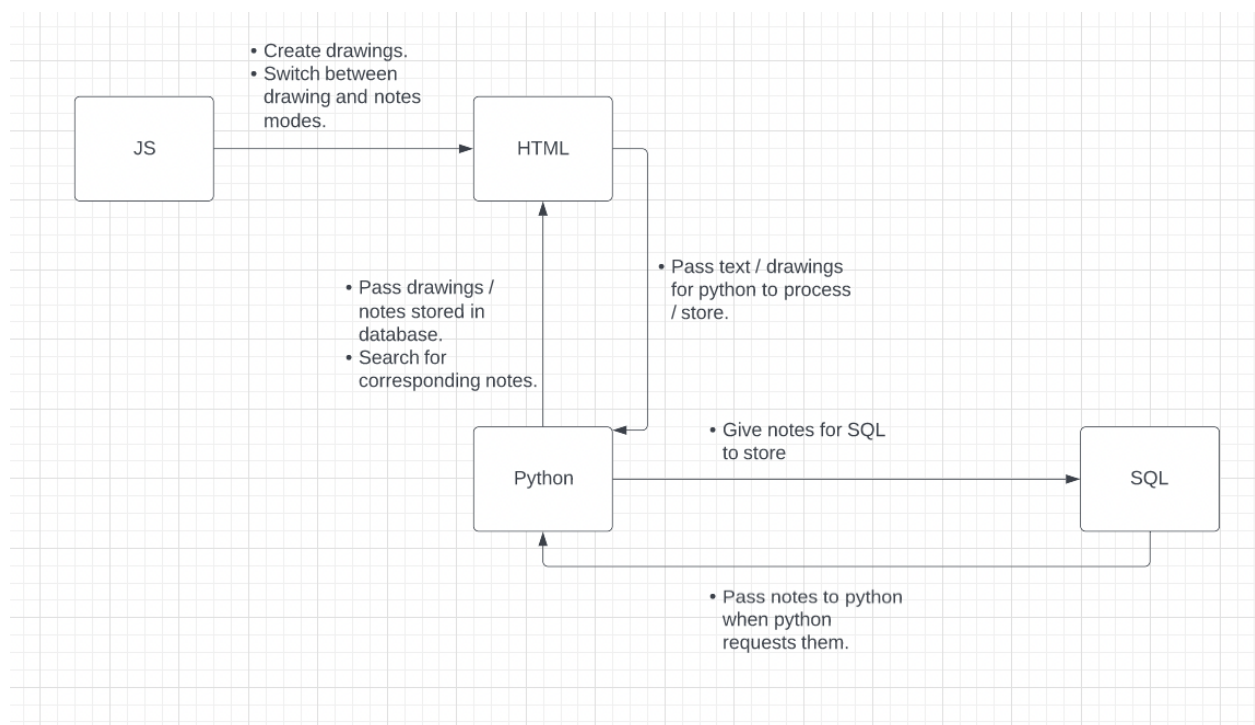- Sorting notes
- Creating database
- Accessing APIs

Database
- Used to store, search for, and sort notes

- Creates table for submissions
- Adds submissions
- Gets submissions

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#
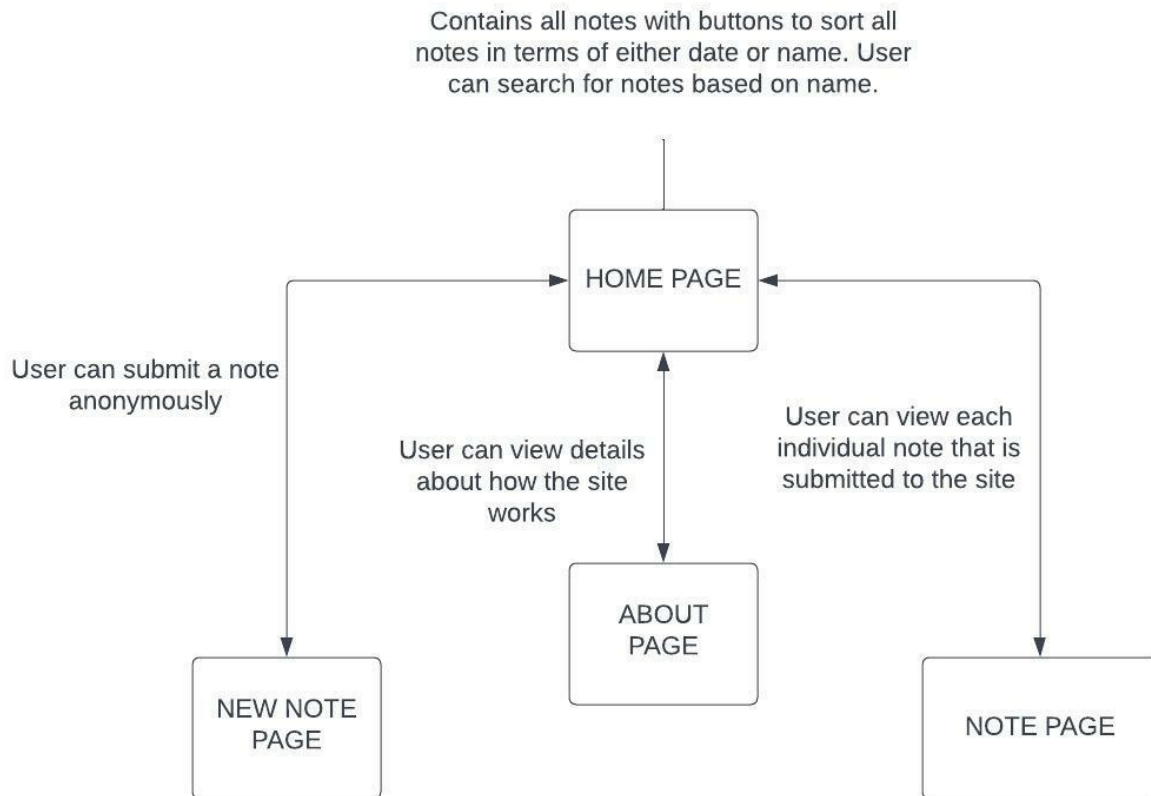

Database Organization:

We will be using sqlite3.

Table for all submissions

number INTEGER	recipient TEXT	lowercase_recipient TEXT	colorbg TEXT	message TEXT	picture TEXT	time TEXT	textcolor TEXT

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.

- GIPHY
(https://github.com/stuy-softdev/notes-and-code/blob/main/api_kb/411_on_GIPHY.md)
    - Will be used to add stickers to notes.

Task Division:

Roshani:
- Python/Flask (rendering pages, searching for notes, using the PurgoMalum API)
- JS (initial work involving drawing on canvas)
- Database (storing and searching for notes)
- Deploying app onto droplet

Yuqing:
- Python/Flask (sorting notes, using the GIPHY API)
- JS (dragging stickers onto the canvas, saving notes when searching up stickers)
- Database (sorting notes)

Angela:
- HTML files (templates, overall organization of pages)
- CSS (making the site prettier, designing the navbar, Bootstrap)

Hebe:
- CSS (making the site prettier, organizing the elements on the new note page, Bootstrap)
- HTML files (organizing elements on the new note page)
- JS (saving canvas as an image, adding text on canvas, adjusting pen sizes/colors)

Target Ship Date:

06-10-2022