TiMBer
Software Development
Period 9
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Components

Back End

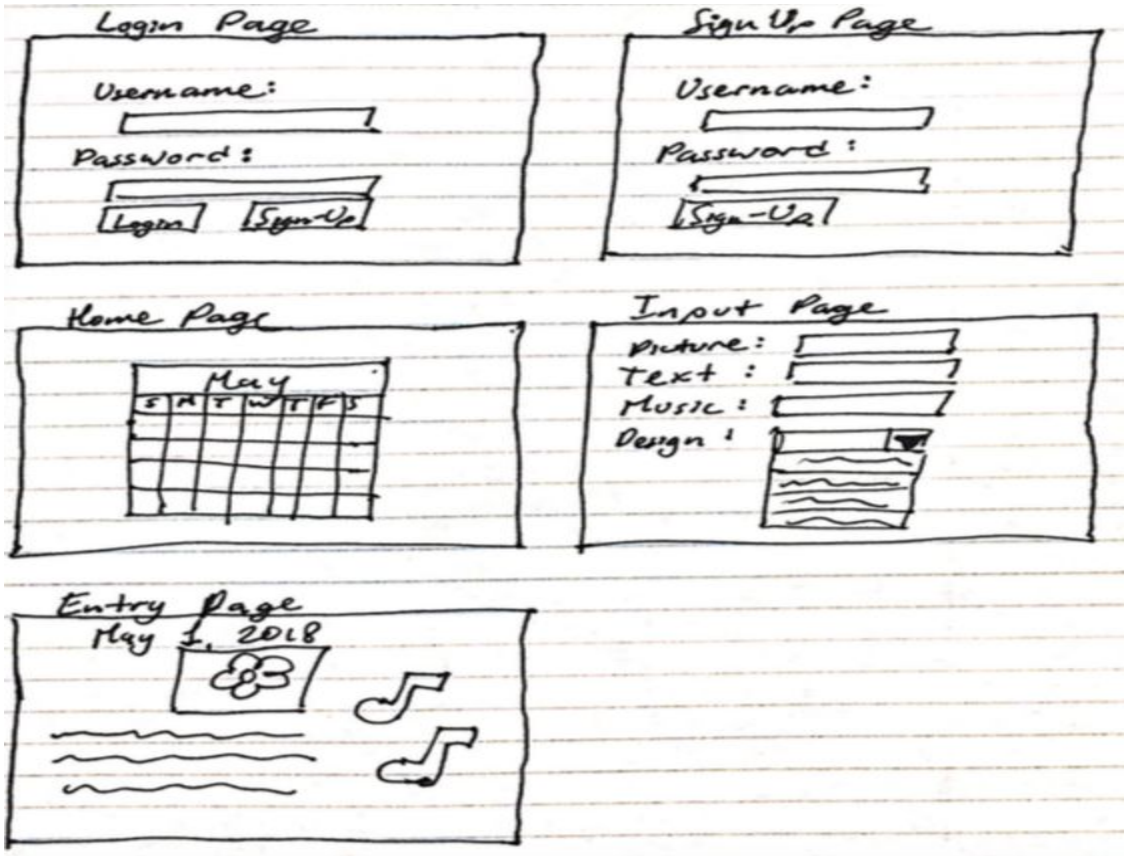
- app.py
    - Sqlite database functions
        - Creates the databases for users and entries
        - Includes functions on adding and retrieving users and entries
        - FUNCTIONS
            - adduser(username, password): returns true if added, false otherwise
            - user_exists(username): returns true if user exists, false otherwise
            - get_password(username): returns password of given user or none if password/user doesn't exist
            - addentry(date, type, data): adds entry based on date; returns true if added, false otherwise;
            - getentries(username, date): returns list of entries listed for that date
            - getevents(username, date): returns a list of events for that date
    - Flask app
        - logged_in()
        - /logout
        - /login
            - user_exists(username)
            - check_pass(username, password)
        - /create
            - adduser(username, password)
        - /home
            - Render calendar.html for user
            - When you click on a calendar space, if empty redirects to input, otherwise redirects to entry for that day
        - /input
            - Renders input.html
        - /update
            - Updates database using inputted data from input.html
        - /entry
            - Renders entry.html with all appropriate data
- APIs

    - Youtube api to play music

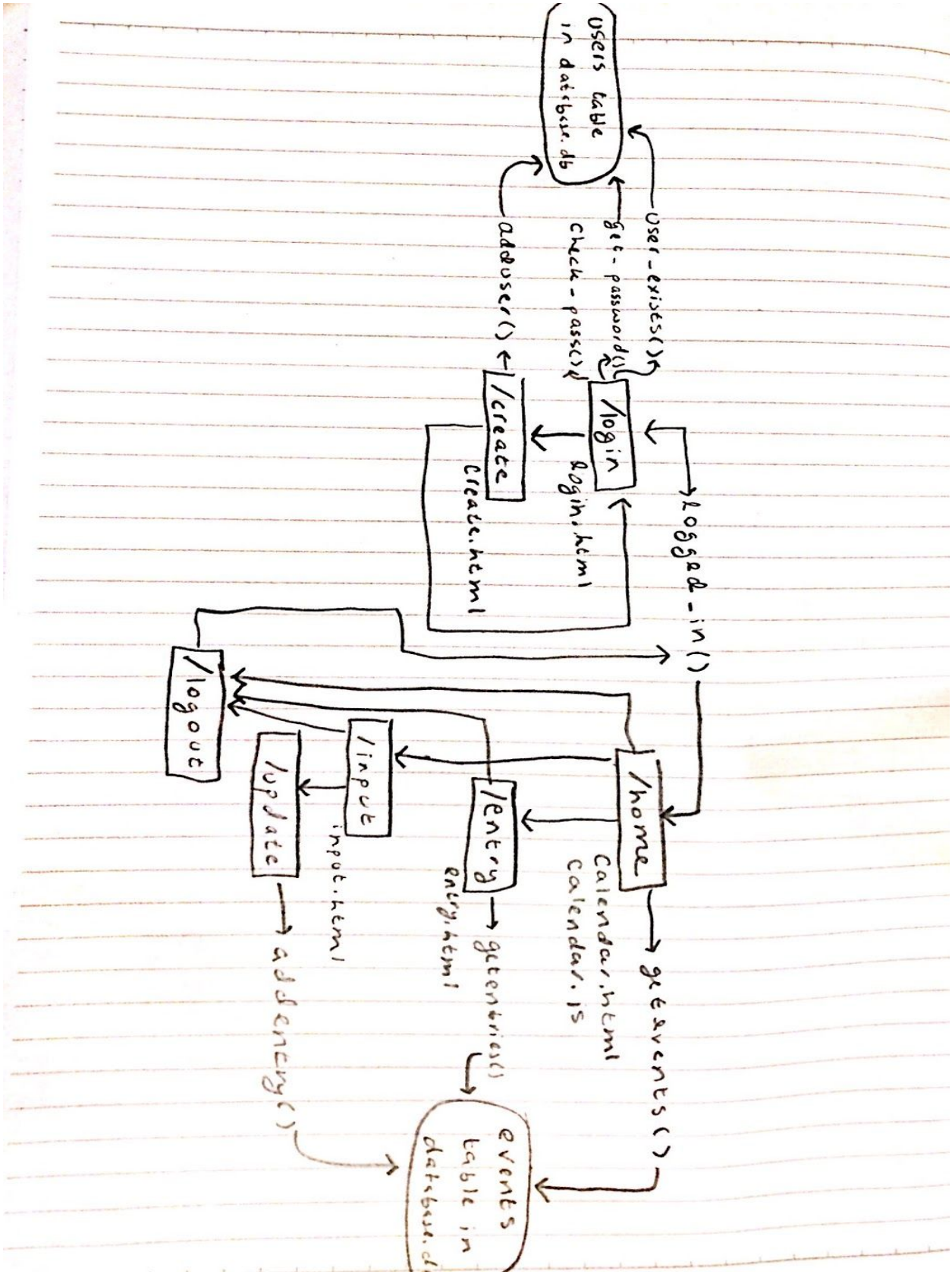
Front End

- frame.html
    - Contains frame for all pages including headers
- calendar.html
    - Runs the calendar.js
    - Each box has either a “create an entry”, “view an entry”, or “edit an entry”
- calendar.js
    - Contains boxes for each date as svg elements
- input.html
    - Contains a form to create your entry
    - Elements include: adding photos, captions, choosing a design, choosing a song to play in the background
- entry.html
    - Displays the entry of a specific date based on the form filled out
- login.html
    - Fields to enter username and password to log into an existing account
- create.html
    - Fields to enter username and password to create a new account

Site Map



Component Map



Database Schema

Users

TEXT PRIMARY KEY username	**TEXT password**
michelamar	itsmichela
bermet	123456789

Entry

TEXT username	**NUMERIC date**	**TEXT type**	**TEXT data**
michelamar	051018	photo	pic.jpg
bermet	051318	textpost	“This is my post”

Entry types: photo, textpost, music, event

APIs

Roles

Michela	Back End: app.py (flask app), api
Tina	Back End: app.py (database) Front End: Input.html; entry.html
Bermet	Front End: frame.html, calendar.html, calendar.js, login.html, create.html

Timeline

- Log in system
- Database stuff
- Calendar home page
- Creating entries, diff entry types
- Creating entry page
- Designs