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PISH POSH

presenting

Stuy Planner

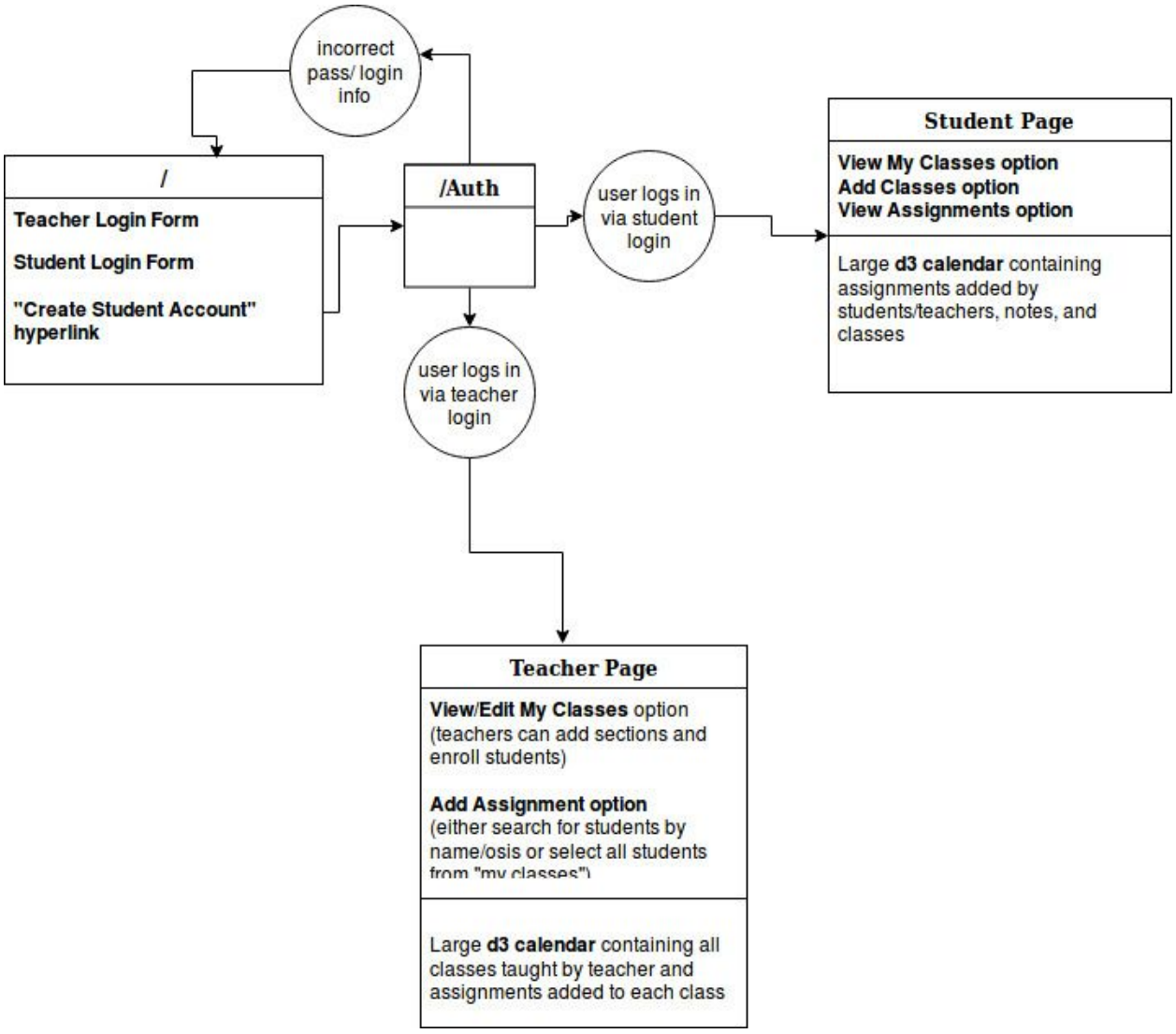
Our Idea:

Our project aims to create a virtual planner, shared by teachers and students, to coordinate due dates and keep up with assignments. On this platform, each teacher and student will have an account to view and edit upcoming due dates. Each student will have a personal planner, which will have both their personally editable schedule and any upcoming due dates posted by teachers overlaid on a single calendar. The students will enroll in teachers' classes and then have all upcoming dates for that teacher's work added to their planner.

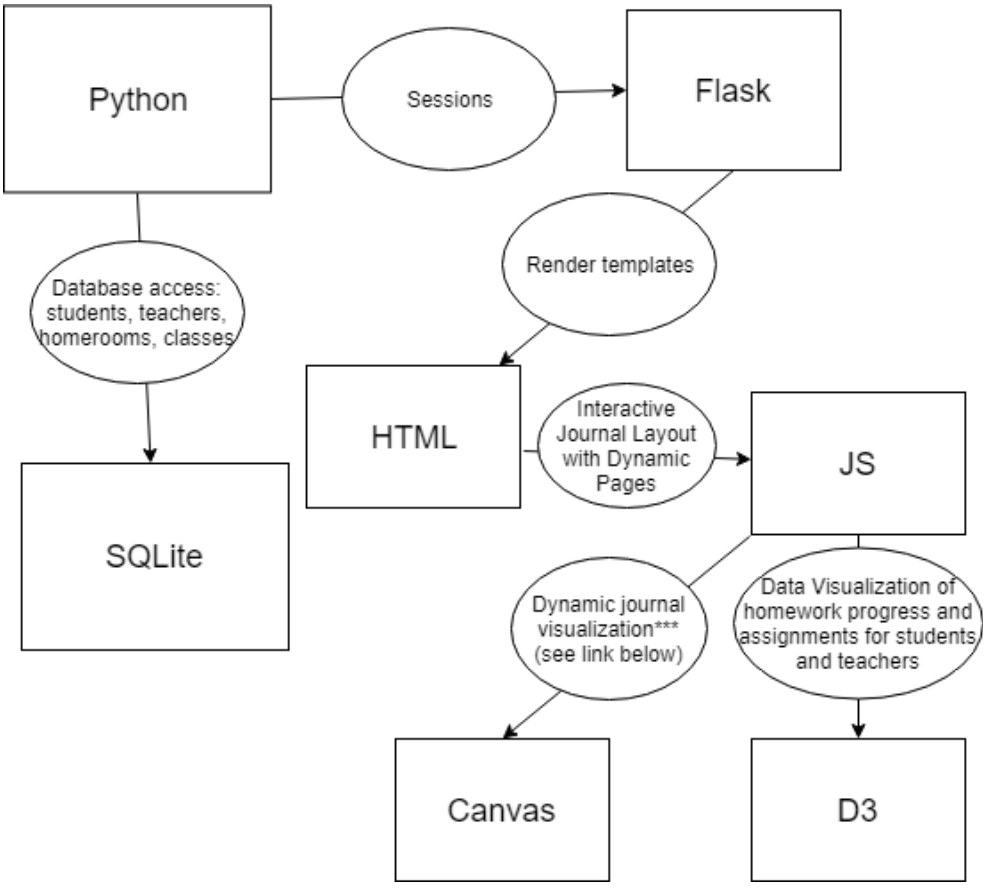
Each teacher will have an account where they can create classes, and add dates for upcoming assignments in those classes such that all students enrolled in the class will see posted assignments. The teacher will have separate calendars for separate classes, and the option to have an additional personal planner which is not shared with any students. The assignments will be added to a database organized by class, and added to students calendars in a separate database based on who is enrolled in the class.

Our vision for Stuy Planner is to allow Stuy students to manage their characteristically overwhelming amount of tasks with the ease of not just their computers, but also their phones. Data collected from the student-end will be put into comprehensive visualizations to aid our teachers. Our project aims to combine the necessity of tools such as Jupiter Grades(assignments), Google Calendar(deadlines/organizing), Google Classroom, and our planners by taking the general uses of each to create a software specifically tailored for the students and teachers of Stuyvesant. *At your fingertips.*

Site Map:


incorrect pass/ login info
/
Teacher Login Form
Student Login Form
"Create Student Account" hyperlink
/Auth
user logs in via student login
user logs in via teacher login
Student Page
View My Classes option
Add Classes option
View Assignments option
Large d3 calendar containing assignments added by students/teachers, notes, and classes
Teacher Page
View/Edit My Classes option (teachers can add sections and enroll students)
Add Assignment option (either search for students by name/osis or select all students
Large d3 calendar containing all classes taught by teacher and assignments added to each class

Component Map:



Journal visualization (something akin to this where students can directly edit their journal pages to update assignments): https://online.flippingbook.com/view/1634/2/

Database Schema:

Students (login and identification):

INTEGER ID	TEXT FNAME	TEXT LNAME	TEXT Email	TEXT Password	TEXT OSIS
Each person has their own ID, used for identifying them	The student's first name	The student's last name	The student's email, used for logging in	The student's hashed password	The student's OSIS

Teachers (login and identification):

INTEGER ID	TEXT FNAME	TEXT LNAME	TEXT Email	TEXT PASSWORD	LIST CList
Each person has their own ID, used for identifying them	The student's first name	The student's last name	The student's email, used for logging in	The student's hashed password	Class list

Student info:

INTEGER ID	INTEGER HID	TEXT CLIST
Same as last time, connects the two tables	Homeroom ID, Connects the student with a homeroom	Class list, JSONified list of class IDs

Homerooms:

INTEGER HID	TEXT SLIST

Homeroom ID, Used for identifying homerooms	Student list, lists all student IDs, JSONified list

Classes (meta info):

INTEGER CID	INTEGER TID	TEXT SList	TEXT Desc
Class ID, main identifier for the class	Identifies teacher	Student list, lists all student IDs, JSONified list	Class description, optional, made by teacher

Classes (useful, changing info):

INTEGER CID	TEXT HW	TEXT PASTHW	TEXT Tests
Class ID, used for identification and matching up with the info	The night’s homework, all details, possibly JSON	All past HW for a class, JSON list	List of all tests

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Tasks:

Karina

- Manage project by assigning/making sure tasks are up-to-date
- Login System
- Helping with Javascript/d3

Daria

- HTML/CSS
- Databases/Flask
    - Connecting all student info to teachers to allow seamless changes between the two
- Help out with Canvas

Shaina

- Javascript AKA in charge of all dynamic visualization work
    - Planner/calendar with flippable and editable pages
    - Data/trend visualization for teachers to see progress on their assignments

Holden

- Databases/Flask
    - Helper functions that can easily connect data to front end work
- Help out with HTML/CSS
- Help out with D3
