Karina Ionkina, Daria Shifrina, Shaina Peters, Holden Higgins

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PISH POSH
presenting
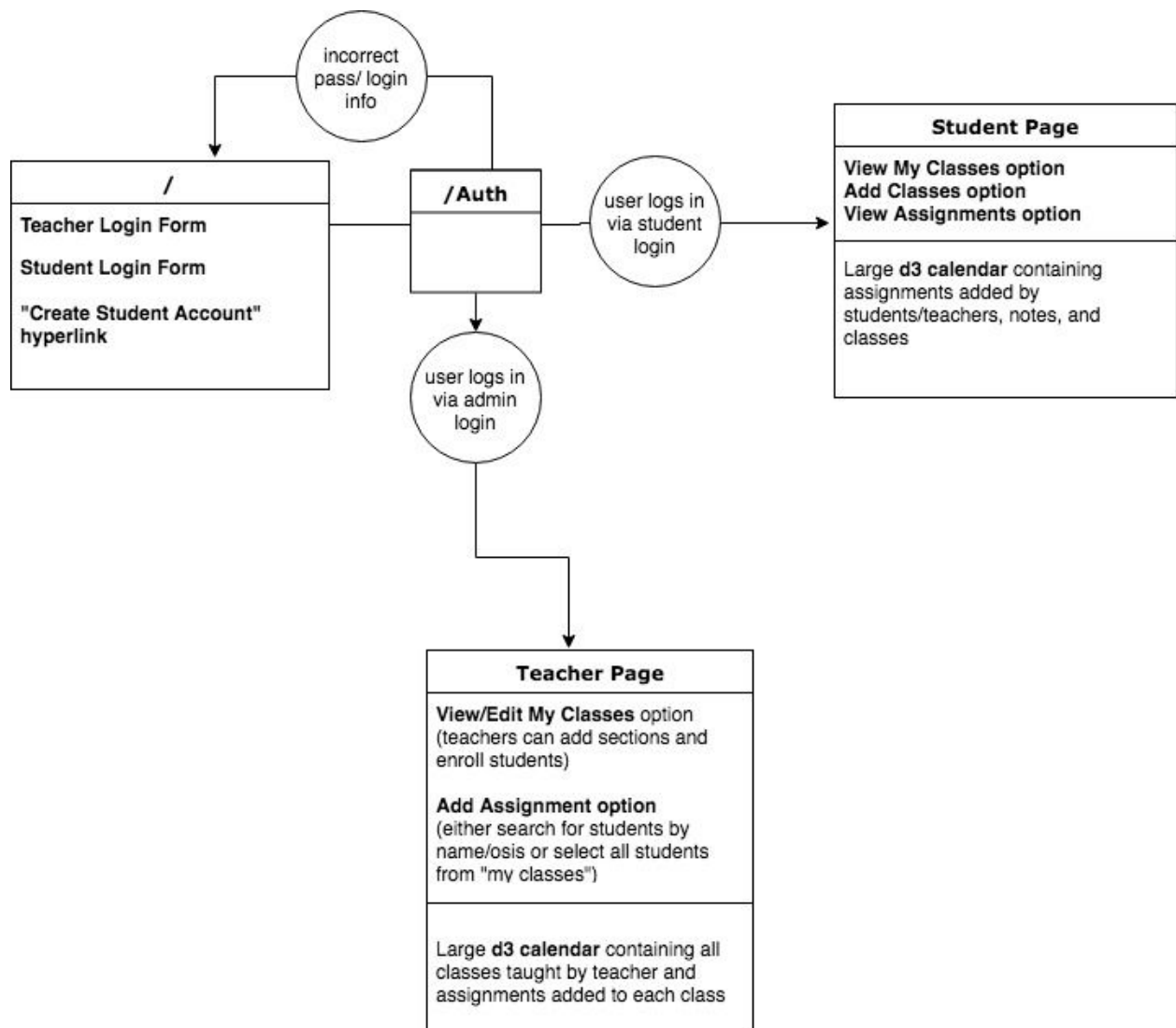# Stuy Planner

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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.
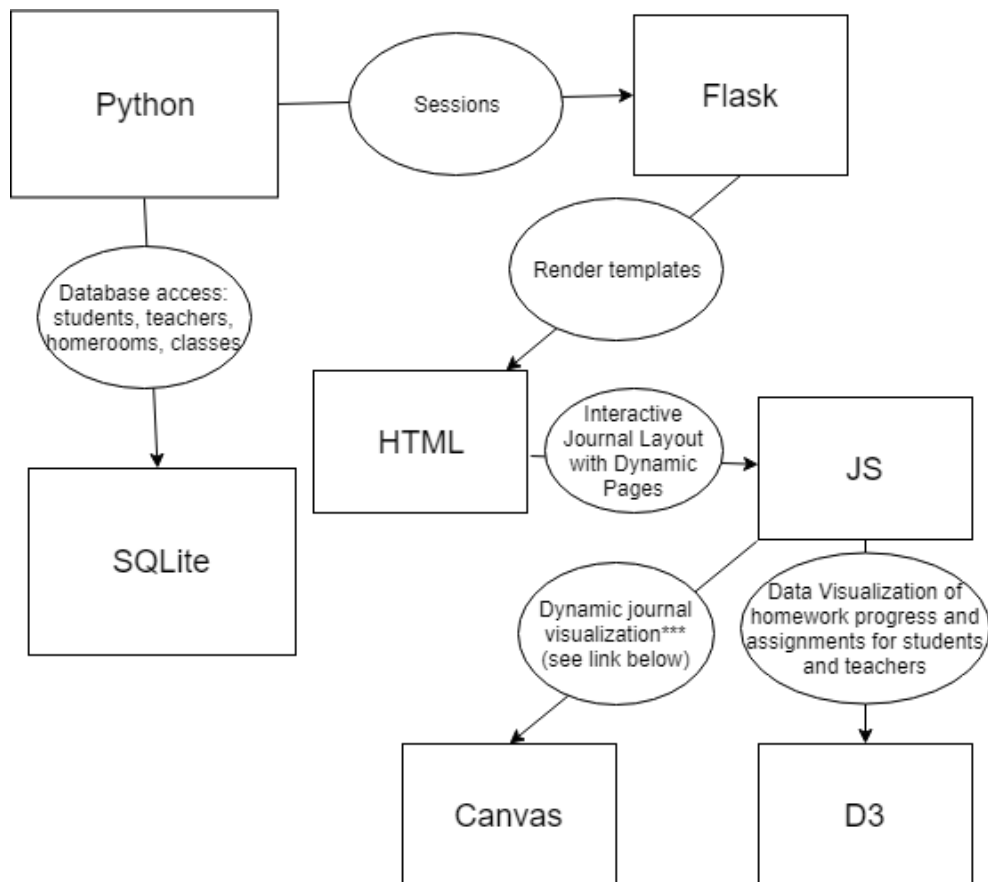
Each teacher will have an account where they can create classes, and add dates for upcoming assignments in those classes such that all students enrolled in the class will see posted assignments. The teacher will have separate calendars for separate classes, and the option to have an additional personal 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:

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Teacher Login Form

Student Login Form

"Create Student Account" hyperlink

incorrect pass/ login info

/Auth

user logs in via student login

user logs in via admin 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 from "my classes")

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):

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

Teachers (login and identification):

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

Student info:

ID	INTEGER	Same as last time,

		connects the two tables
HID	INTEGER	Homeroom ID, Connects the student with a homeroom
CList	TEXT	Class list, JSONified list of class IDs

Homerooms:

HID	INTEGER	Homeroom ID, Used for identifying homerooms
SList	TEXT	Student list, lists all student IDs, JSONified list

Classes (meta info):

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

Classes (useful, changing info):

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

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