

Team IllegalSkillsException
Aaron Li, Angela Tom (PM), Kevin Lin, Max Millar

Classify

A teacher's tool and a student's blessing

Project Description:

Our website will be a combination of Google Classroom elements and JupiterEd. This is basically a student management site/homework assignment site for teachers, and a grade site/homework submission site for students. Teachers will be able to create classes which students can join, and assign homework that students have to hand in either through a typed plain-text response or a file upload. Teachers can view, change, and add grades and notes for every student, and students can see them. Students and teachers can also send/receive email messages.

APIs Used:

- Sendgrid: API plugin that allows for in-app email sending
- FavQs: API to generate random quote to inspire students and add a nice touch
- AvatarAPI (or Adorable Avatars): to fetch a gmail avatar or random avatar to make the site feel more personal
- Google Calendar: to add due dates, test dates, etc.

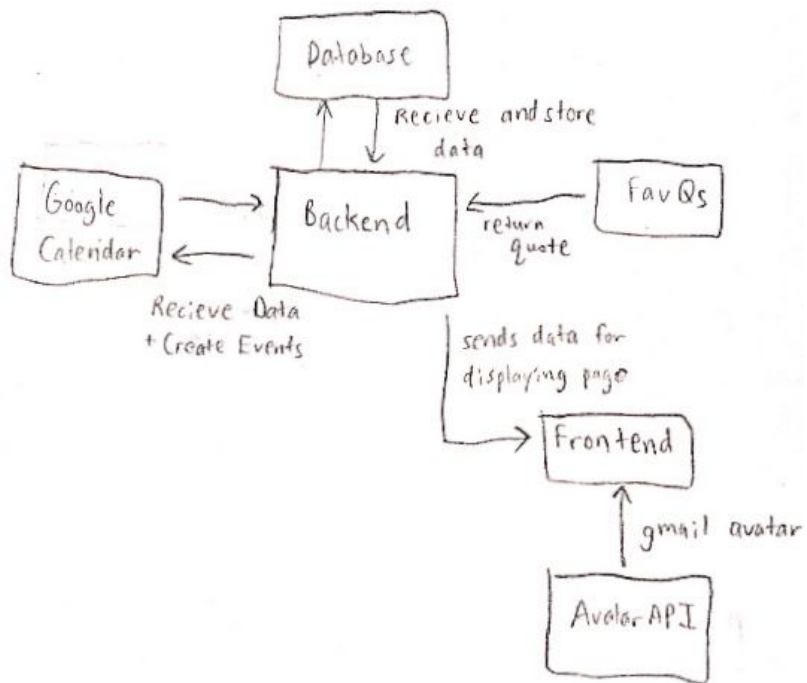
API Quotas/Keys:

- Sendgrid: 40,000 emails for first 30 days, then 100/day
- FavQs: no quota/key
- AvatarAPI: no quota
- Google Calendar: 1,000,000 per day (500 per user per 100 seconds)

Frontend Framework Choice: Bootstrap

Our team decided to use Bootstrap because the group is most familiar with Bootstrap, and there is more documentation for it. It is easier to understand and more intuitive than Foundations, which several members in the group have already attempted to use.

Component Map:



Site Map:

Teachers use same login (but choose teacher)

Dashboard

HOME | Events | grades | classes |

upcoming events:
1) x
2) y

view HWS

acct
logout

+ create new hws

Grades

Choose a class

Physics | Chem

Classes

1 | 2 | 3

+ new class

Sample class

Physics

Search

Student 1	Avg: X	delete	edit
Student 2			
etc			

Sample Hws

Today's Assigned Hw.
None

Resources
1) x
2) y

+ Add resource

+ new hws

Edit (we can add sections later)

Physics change class Avg: X

Assignments	Percentage of grade	
1) x (test)	15%	grade: X
2) y (hw)	55%	grade: X
3) z (proj)		

Events

Date	Name	class
2	x	y
↓	↓	↓

+ Add row

view calendar

Adding Event

class: <dropdown>

type: <dropdown>

date:

name:

Submit

HOME

[Create](#)
[Login](#)

pretty ring

WELCOME!

Login/create Acct.

☒ ~~Student~~ ☐ ~~Teacher~~

Email

Pass

[Submit](#)

Dashboard

[HOME](#)
[Msg](#)
[classes](#)
[grades](#)
[calendar](#)

Quote: ~~~~~

day's HW:

[Submit](#)

[Submit](#)

[Submit](#)

Resources

1) ~~~~~

2) ~~~~~

3) ~~~~~

[+ Email](#)

classes

Physics with Mr. ~

Calculus Mr. ~

[+ Join a class](#)

Submitting HW

HW: ~~~~~

1/1/19

type response

[UPLOAD](#)

[Submit](#)

sample class

Physics Mr. ~

HW Today:

1) ~

2) ~

Resources/References

1) x

2) y

[Submit](#)

Yesterday

EMAIL

Email

[Choose a teacher](#)

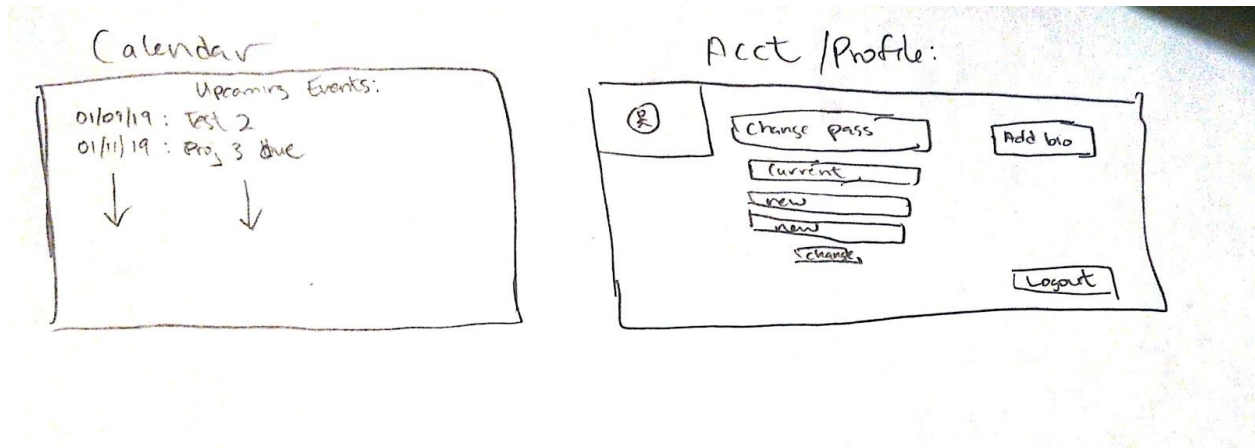
subject

body

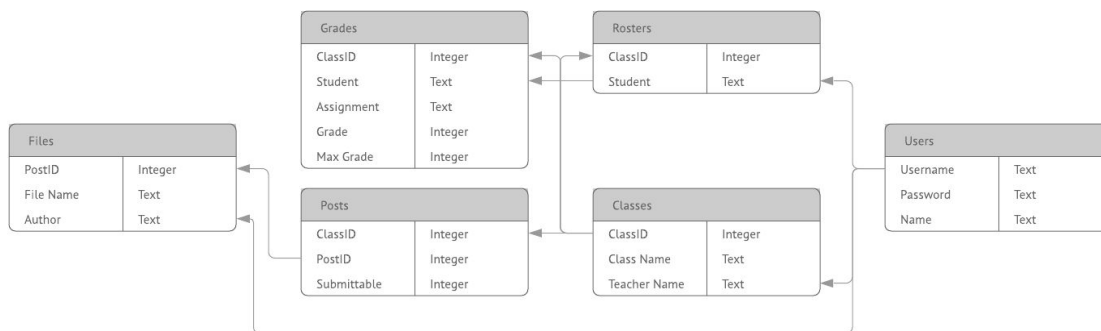
[send](#)

GRADES

classes	Calc: Student x	
Physics	Teacher: X	
Calc	Average: X	
chem	Assignment/Test:	
	1) Test 2	Grade 95
	2) Project 0	88



Database Schema:



User login info and their real name will be stored in the users table. The classes table will store a unique ID for every class, its name, and its teacher. The roster of a class will be stored in the rosters table, as a class ID and a student username. Grades will be stored in the grades table with the class ID, the student username, the assignment title, the grade given, and the max grade. Teachers can make posts in their classes, which will be stored in the posts table with a unique post ID, the class ID it comes from, and a submittable integer, which will be 1 if students will be allowed to submit work to the post, and 0 otherwise. The files table will store the author of the file, the post it comes from, and a unique file name that disregards the name of the inputted file for storage purposes.

Roles:

- Angela Tom: Project manager, Login, User data, Help with calendar
- Aaron Li: Frontend, help with backend if needed
- Kevin Lin: Text Editor, File Submission/Retrieval System
- Max Millar: Classes, Database, Calendar, Help with text editor