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 through plain-text file upload. Teachers can view, change, and add grades for every student, and students can see them. Assignments are shown as events on each class Google Calendar for students and teachers to easily view.

APIs Used:
- FavQs: API to generate random quote to inspire students and add a nice touch
- Adorable Avatars: to fetch a random avatar to make the site feel more personal
- Google Calendar: to add due dates, test dates, etc.

API Quotas/Keys:
- FavQs: no quota
- Adorable Avatars: no quota
- Google Calendar: 1,000,000 per day (500 per user per 100 seconds)
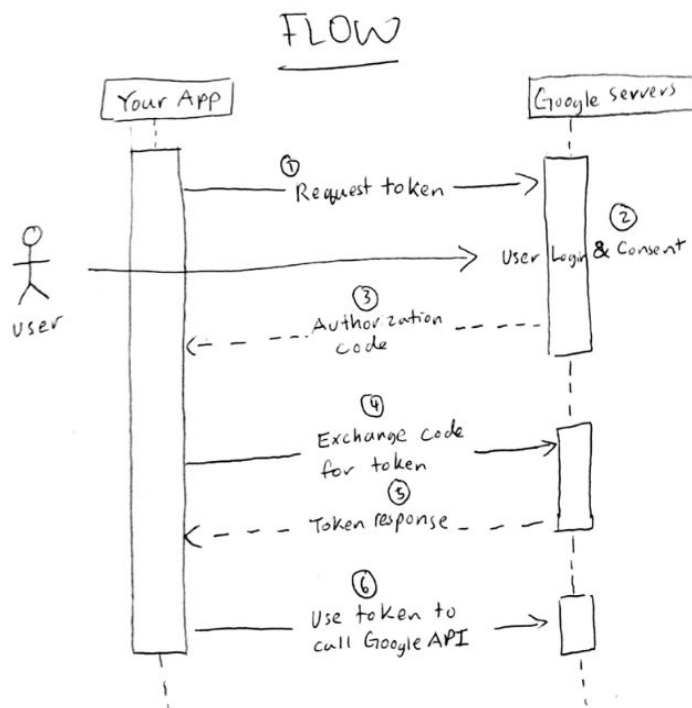
Frontend Framework Choice: Bootstrap

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:

OAuth

FLOW
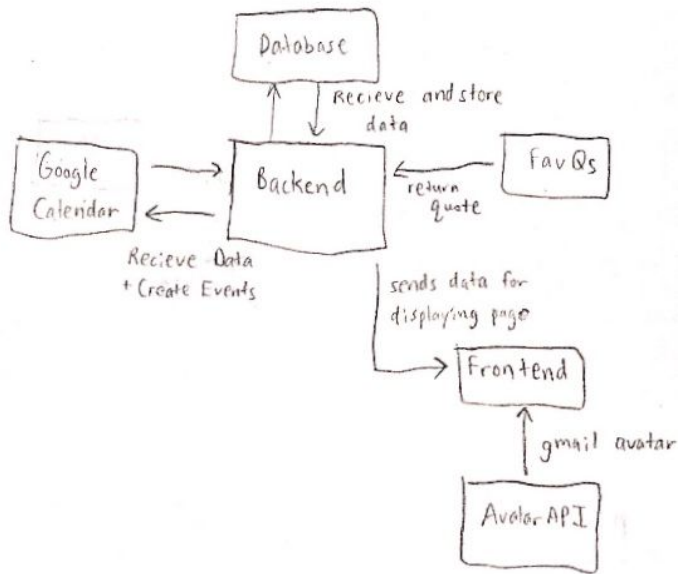
Teacher Site Map:

Teachers use same login (but choose teacher)

Dashboard

HOME	Events	grades	classes	ⓡ ▾

Acct logout

Upcoming events:
1) x
2) y

view HWs

+ create new hw

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 class

Today's Assigned Hw.
None

Resources
1) x
2) y

+ Add resource

+ new hw

Edit (we can add sections later)

Physics	Change class		Avg: x

Assignments	Percentage of grade	
1) x (test)	15%	Grade: x
2) y (hw)	85%	grade: x
3) z (proj)		

Events

Date	Name	class
z	x	y
↓	↓	↓

+ Add new

View calendar

Adding Event

class: [Math ▾] ← dropdown
type: [test ▾] ← dropdown
date: [01/07/11]
name: [test 1]

Submit

Students site map:

HOME

Create	Login

pretty img

WELCOME!

Login/create Acct.

| //student// | teacher |

email
_____

pass
_____

[Submit]

Dashboard

| OME | Msg | classes | grades | calendar | ⊕ |

Quote: ～～～

Acct st.
Logout.

today's Hw:

～～～ [Submit]
～～～ [Submit]
～～～ [Submit]

Resources
1) wwwww....
2) . . . .
3) . . . .

⊕
Email

Classes

| Physics with Mr. ～ | Calculus Mr. ～ | ～～～～ |

(+ Join a Class)

Submitting HW

HW: ～～～～

[+|:=|14▾]

type response

[UPLOAD]

[Submit]

sample class

Physics Mr. ～～

HW Today:	Resources/references
1) ～	1) x
2) ～	2) y
	[Submit]

yesterday

EMAIL

Email

choose a teacher ▾
  1) ～
  2) ～

subject _____

body

[send]

GRADES

Classes	Calc : Student x
Physics	Teacher: X
Calc	Average: X
chem	Assignment/Test:

Assignment/Test	Grade
1) Test 1	95
2) Project 0	88

ℝ▾

Calendar

Upcoming Events:
01/09/19 : Test 2
01/11/19 : Proj 3 due

↓   ↓

Acct /Profile:

Change pass
Current
new
new
change

Add bio

Logout
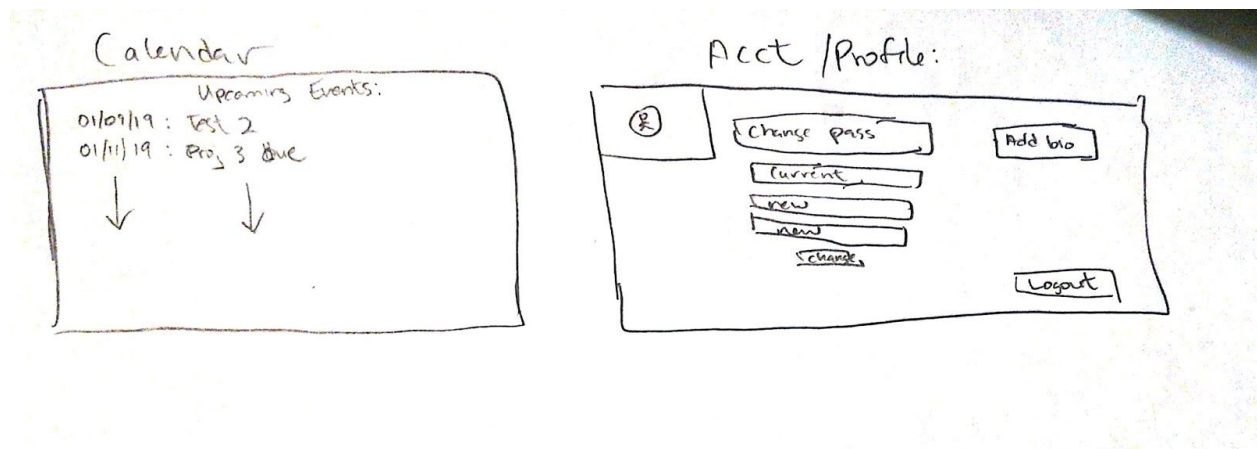
Database Schema:

Users

User ID	Text , Primary Key
email	Text
name	Text

Classes

class ID	Integer, Primary Key
class Name	Text
user ID	Text
invite	Text
desc	Text
calendar ID	Text

Weights

class ID	Integer
weight Name	Text
weight Value	Decimal

Roster

class ID	Integer
user ID	Text

Grades

class ID	Integer
user ID	Text
assignment	Text
grade	Integer
max Grade	Integer
weight	Text

Posts

postID	Integer , Primary Key
class ID	Integer
submission	Datetime
due date	Datetime
post Body	Text
Submittable	Integer
event	Text
post Title	Text

Files

post ID	Integer
file name	Text
User ID	Text
submission	Datetime

not Added

class ID	Integer
email	Text

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