

Team GradestBook -- Nicole Cheng, Shamaul Dilmohamed, Vanna Mavromatis, James Yang

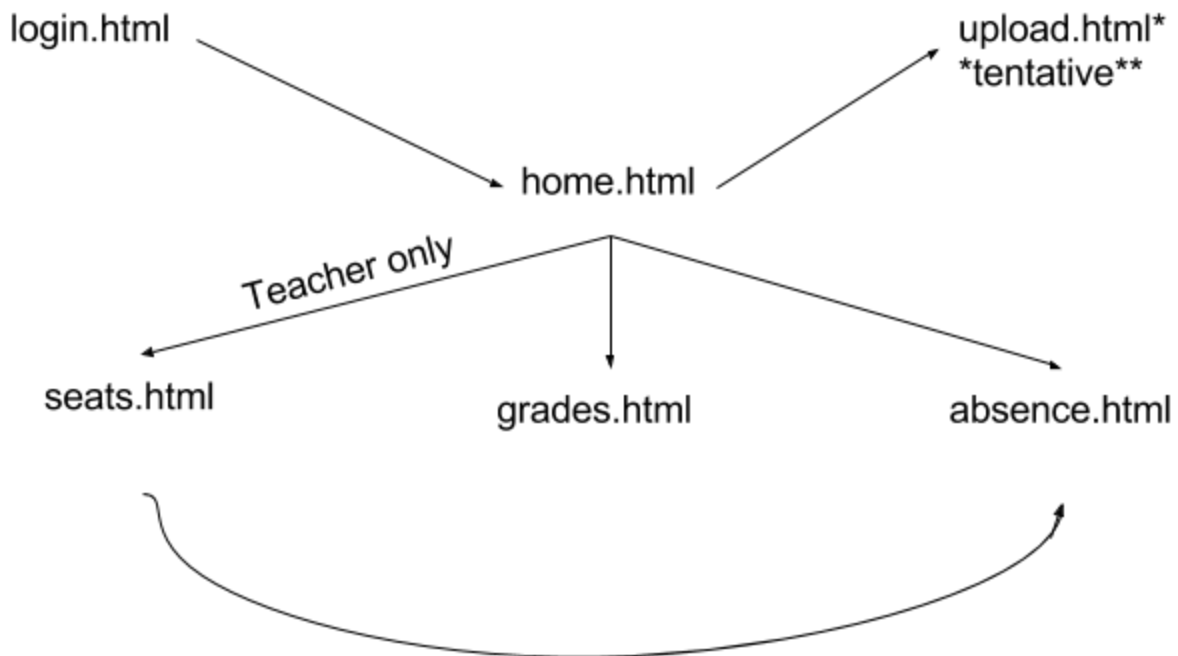
Overview:

This project will consist of a seating chart and a gradebook, with the possibility of using the Dropbox API in order to upload files. Using Flask, the teacher will be able to interact with the javascript-powered seating chart and record grades. The students will be able to view these grades by logging into their student accounts.

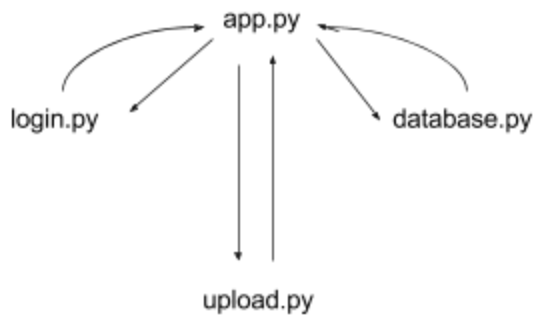
Database Schema:

- Login: username, hashed pass, teacher/student (boolean), name, studentid / teacherid
- Class: classid, teacherid, studentid, period, seatid, glasses (boolean)
- Grades: classid, studentid, grade, assignmentid, assignment name
- Attendance: date, studentid, classid

Site Map:



Component Map:



Component Description:

app.py

Will render templates

Run application

login.py

Handles all accounts and login procedural methods

database.py

Traverses each database table in order to parse data

database.db

Holds all the tables for the data we choose to store

upload.py

Uploads files to dropbox

Makes files available for viewing on teacher interface

front-end files:

login.html

home.html

seats.html

grades.html

absence.html

upload.html

style.css

javascript.js

Possible Additional Features:

- Upload homework (store assignments on dropbox)
 - <https://github.com/dropbox/dropbox-sdk-python/blob/master/example/back-up-and-restore/backup-and-restore-example.py>
- Allow teachers to edit students' grades

Task Delegation/Timeline:

James – html / bootstrap / css

- Initial iteration: 1/10
- Make things prettier: 1/13

Vanna – javascript / work w James on other front end stuff

- Initial iteration: 1/10
- Seating chart: 1/12

Shamaul – flask / login / ***uploading***

- Make sure things work (all the time!)
- Login/Register methods: 1/9
- Working app: 1/13

Nicole – database / ***uploading***

- Registration database: 1/9
- Link databases: 1/11
- Insert/modify database information: 1/13
- Database traversing: 1/17
- Functioning decently: 1/20

*** tentative, and subject to change