Out of Tune Contrabassoon Goon Platoon

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Faculty Scheduling App

Project Description (Subject to change)
A flask driven app that will allow faculty to submit their scheduling preferences online. Administrators will have access to the accumulated responses and will be able to sort them in various ways, allowing easier scheduling and having all teacher preferences readily available in one place. We would also like to make graphs that allows administrators to see at a glance what periods or classes are most requested.

Teacher Preferences (Options)
- Teach 1-9 or 2-10
- Preferred courses
- Qualifications for each course/have you taught it before?
- Preferred lunch period (3 choices - Pd 4, 5, 6, 7, 8)
- Preferred room (3 choices)

Component Map
- HTML file that serves as the flask app and form that faculty fill out
    - Bootstrap + CSS
- Python files for accessing database and sorting/accepting then returning teacher responses
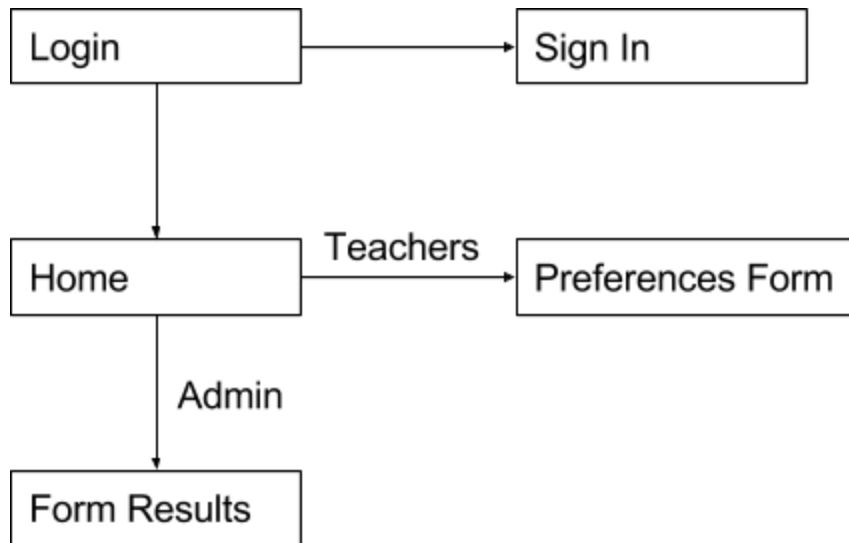- SQL database

Database Schema
Admin: admin username, admin pass, recovery email
Accounts: username, randomly generated alphanumeric pass, id #
Teachers: id #, teacher's first + last name, preferences, other info a la qualifications
- each preference should be its own column, e.g. Lunch, Periods, Course 1, 2, 3, etc.

Site Map

Roles
- Jason Chua (Project Manager): Python/Backend
- Jordan Chan: Front-End
- Lawrence Liu: Flask App
- Fortune Soleil: Database

Tentative Timeline
- 5/16: Create basic file structure
- 5/20: Database setup
- 5/23: Working signup/login system
- 5/31: Form display/submission
- 6/7: Interactive information
- 6/11: Debugging