

Team Name: azrael (Mohtasim Howlader (PM), Jack Lu, Jason Tung)

SoftDev1 pd8

P #02

2019-01-08



Project Name: Testlet

Abstract:

Testlet is a Quizlet inspired project which revolves around duplicating Quizlet's core functionality: logging in, creating, saving, viewing sets, and of course, taking quizzes. Team azrael will try to also implement various ways to expedite the process of set creation and reviewing sets, along with being able to test yourself. Using javascript, we will try to update a container in while reviewing sets to imitate flipping an index card.

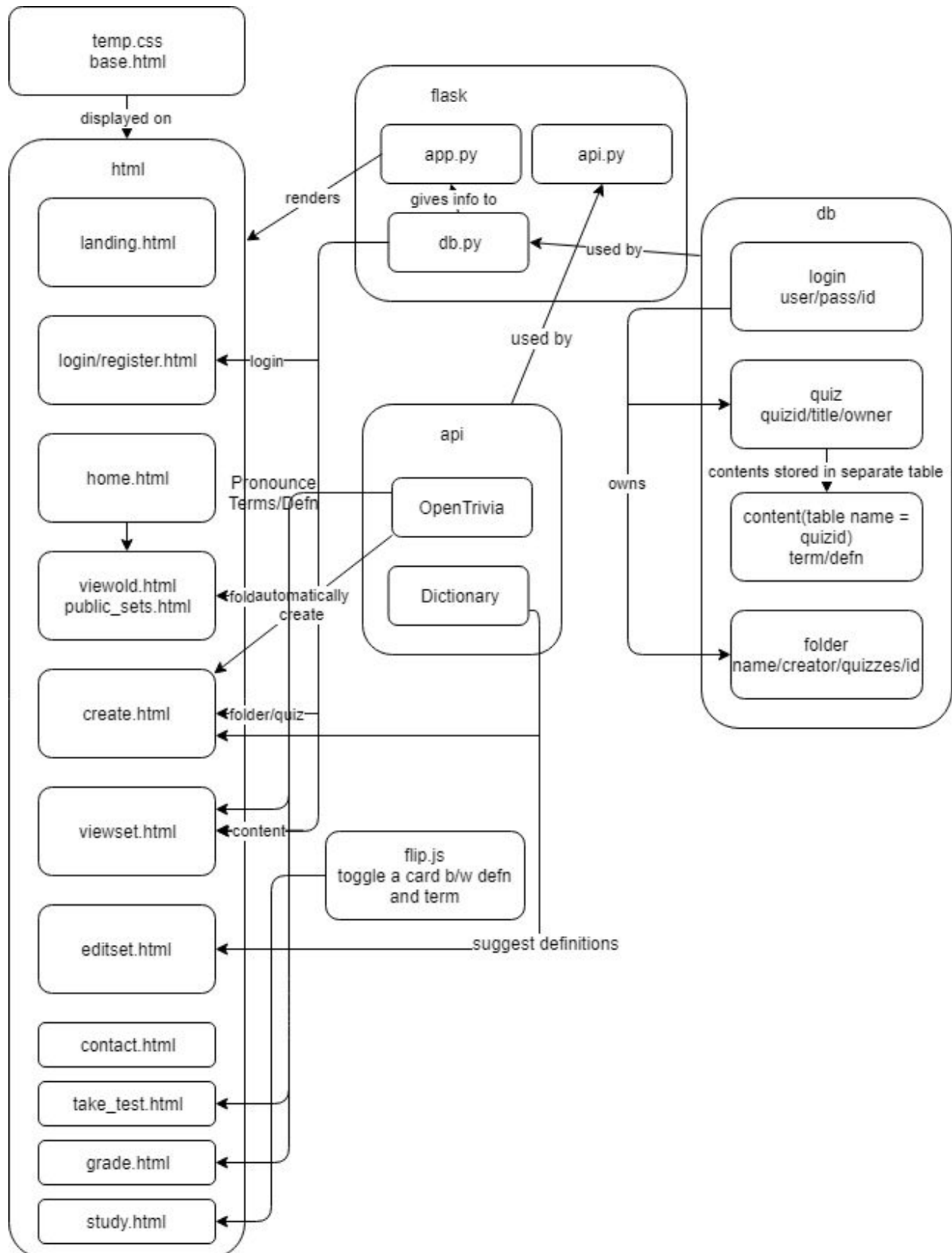
Front End Framework: Bootstrap

- All team members have more experience developing with Bootstrap than Foundation (including in previous projects)
- We prefer Bootstrap's default design aesthetic and structure over Foundation's. Specifically, Bootstrap's grid system is simpler to use and implement (we don't want to deal with gutters) for our project.
- Has a much larger collection and variety of templates than Foundation. And its templates are typically more fleshed out and "complete", so we don't have to spend as much time on the front end and could devote more to the back end.

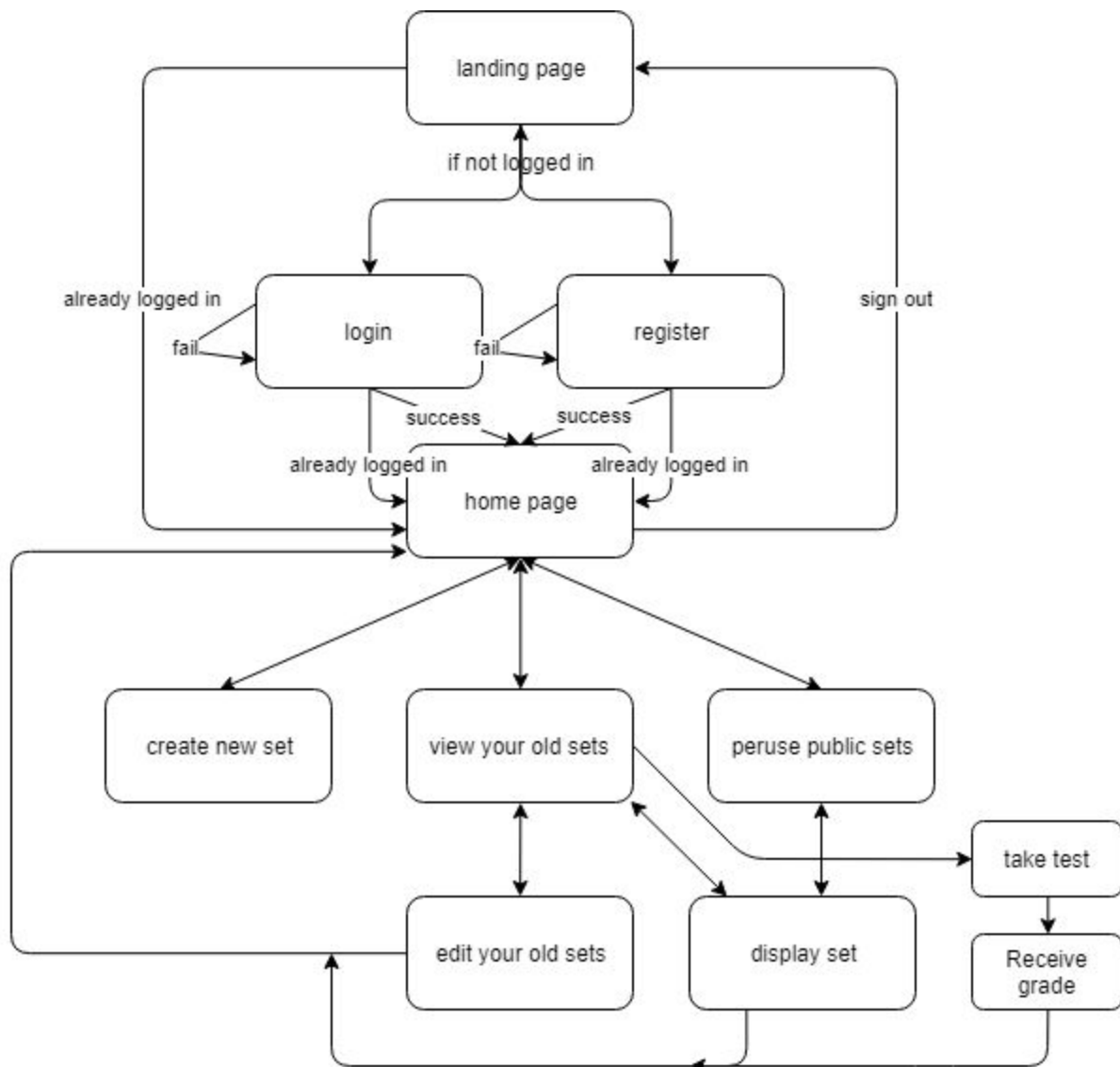
APIs:

1. Oxford Dictionaries API - generate suggested definitions for terms when creating sets (Current state: functions created, not implemented)
2. OpenTriviaDB API - generate trivia questions to make sets automatically (no API key). (Current state: functions created, not implemented)

Component Map



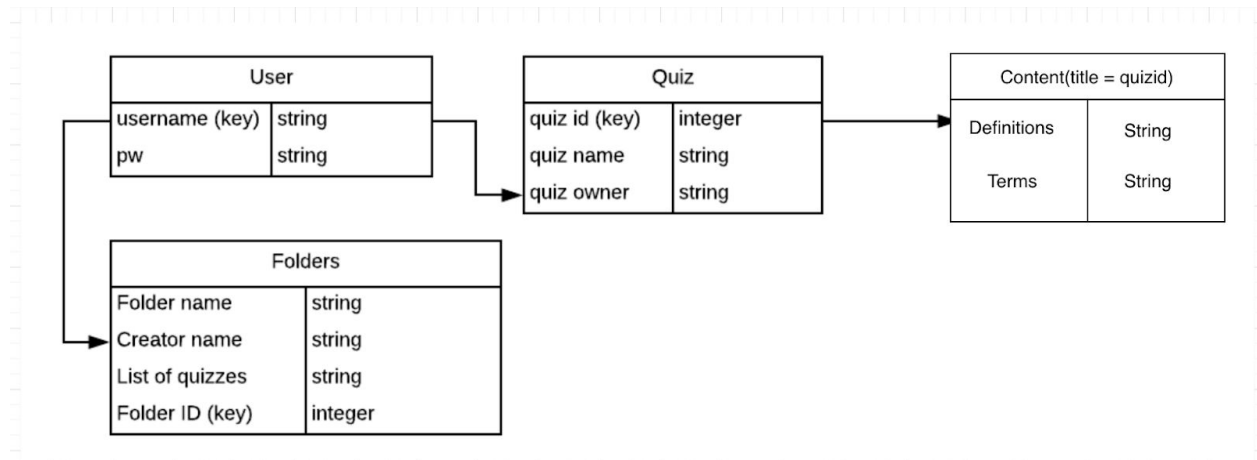
Site Map



Database Schema

The tables are formatted as follow:

TABLE NAME
COL-NAME | VALUE-TYPE



db

- User
 - Table of username/pw combos
- Quiz
 - Table of every quizid, its name, and its owner
- Content
 - Every quizid will have a content table with a corresponding name
 - Contains defn/term pairs
- Folders
 - Table of all lists with owner, id, name

Roles

Project Manager - Mohtasim Howlader

- Make sure the group is consistently working on the project
- Update and maintain devlog
- Update and maintain design document
- Work on front end HTML and Javascript with Bootstrap
- Handle coding tasks as necessary for back end and front end
- Work on user quiz history and stats
- Test website for errors, bugs, crashes, and instability (API requests running out....)

Jason "Snitch" Tung

- API work
 - Implement all APIs and procure API keys
- Flask routing
- Login setup
- Templates
- JS
- Databases
 - Writes functions to more easily work with DB

Jack Lu

- Database work
 - queries to retrieve and upload info to DB
- Javascript
- search function
- API work

Timeline

Jan9 - finish templates and a little bit of css

Jan10 - login system done

Jan11 - finished all routing with flask

Jan12 - all db components done and ready for implementation

Jan13 - implemented db to display on page

Jan13 - add js "card flipping"

Jan13 - finished css

Jan14 - add other stretch goals

Jan15 - finish stress testing/debugging

Jan17- finish js card flipping, adding tests and grading, final bugs