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SoftDev1 pd8

P #02

2019-01-08



Project Name: Testlet

Abstract:

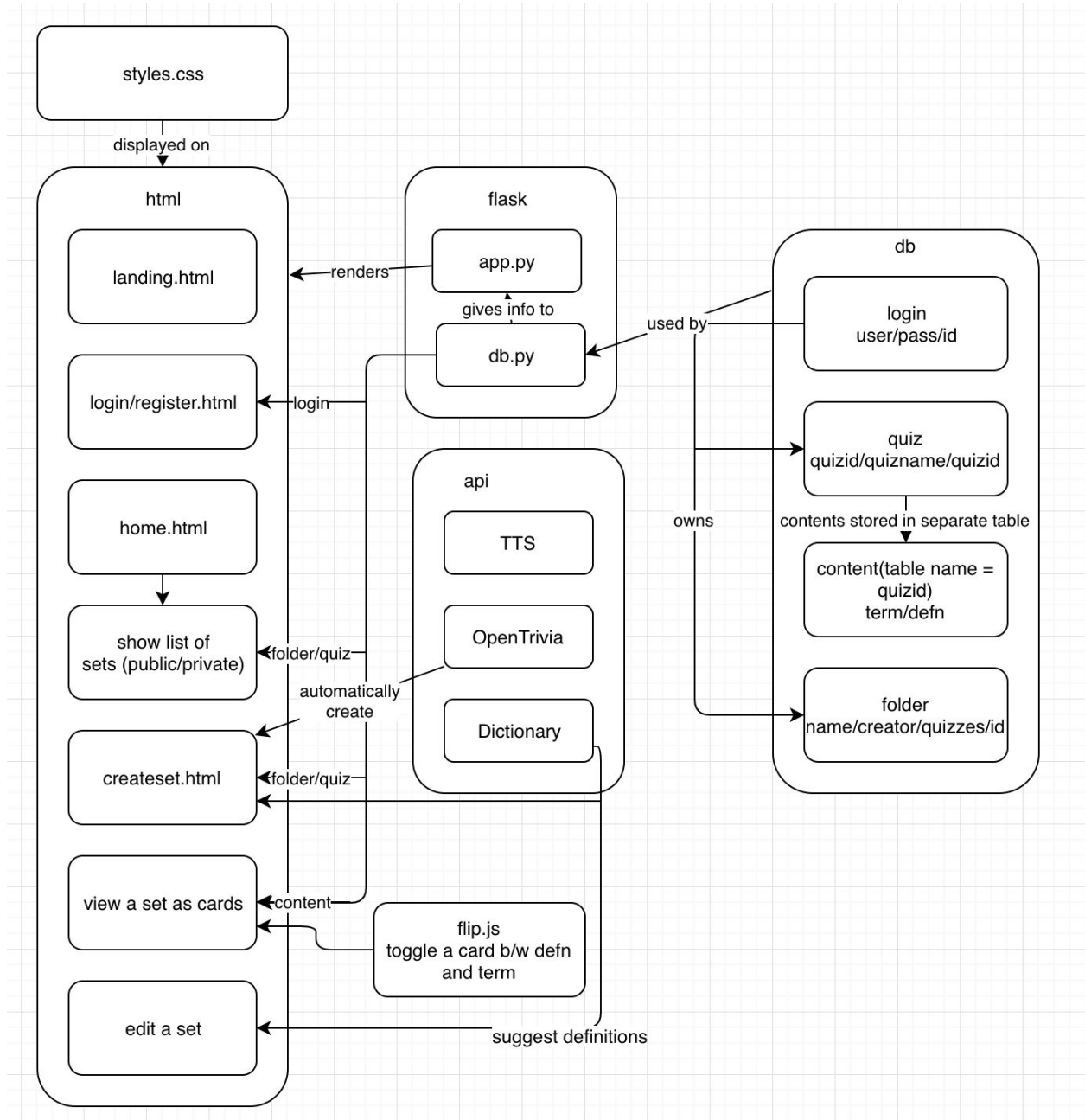
Testlet is a Quizlet inspired project which revolves around duplicating Quizlet's core functionality: logging in, creating, saving, and viewing sets. Team azrael will try to also implement various ways to expedite the process of set creation and reviewing sets, most notably autofill definitions and enabled pronunciation on terms/definitions. Using javascript, we will try to update a container in while reviewing sets to imitate flipping an index card.

Front End Framework: Bootstrap

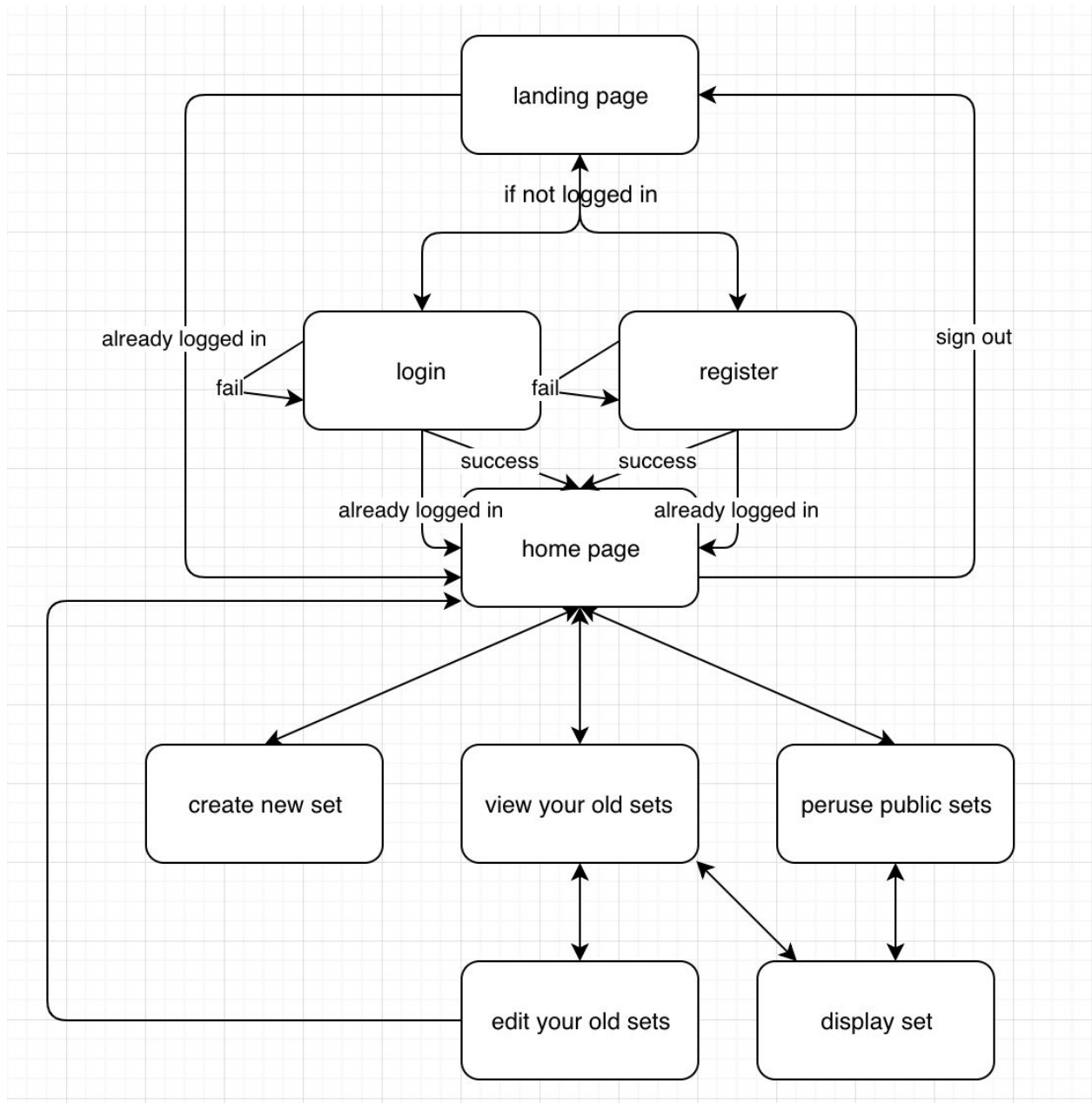
APIs:

1. MS Azure TTS API - pronounce terms/definitions from sets
2. Oxford Dictionaries API - generate suggested definitions for terms when creating sets
3. Open Trivia DB API - generate trivia questions to make sets automatically

Component Map



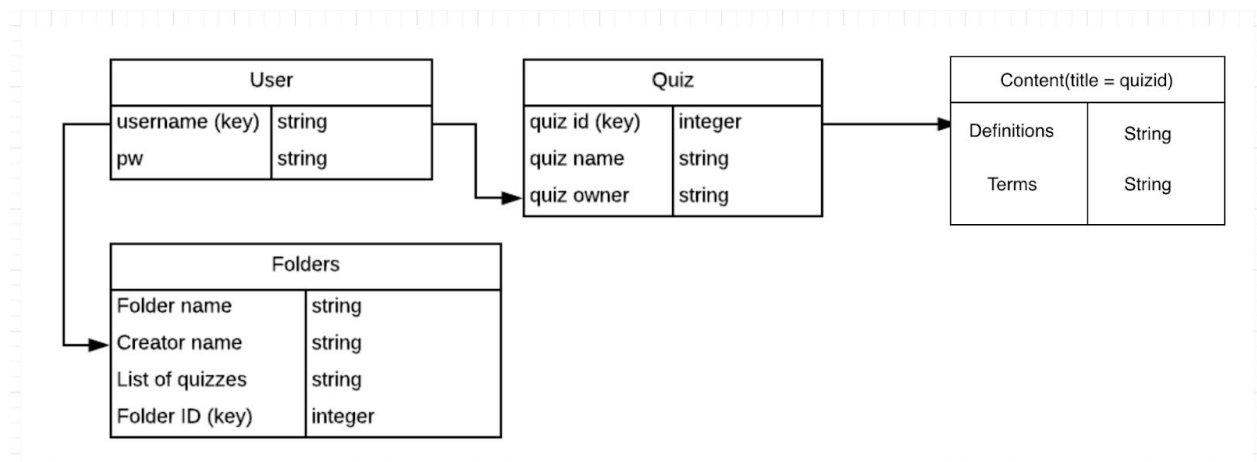
Site Map



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
 - List of quizzes will be in a parsable csv format

TO-DO LIST

- search function
 - search for quizzes/folder/class by name or by creator
- dictionary API - option to automatically define entered terms
- User can create quizzes and save others quizzes
- Quiz: each quiz has tags to search by

- Folders: group quizzes into folders

Reaches:

- translations
- premade quizzes
- Class: contains sets and members
- Oauth

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
- Handle coding tasks as necessary for back end and front end
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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

Jan10 - Login system done

Jan12 - major db components done

Jan13 - implemented db to display on page

Jan14 - add oauth2/other stretch goals

Jan15 - finish stress testing/debugging