CSCI 3308 Group Project Milestone VII - Final Submission

Group name: StudyOutlet
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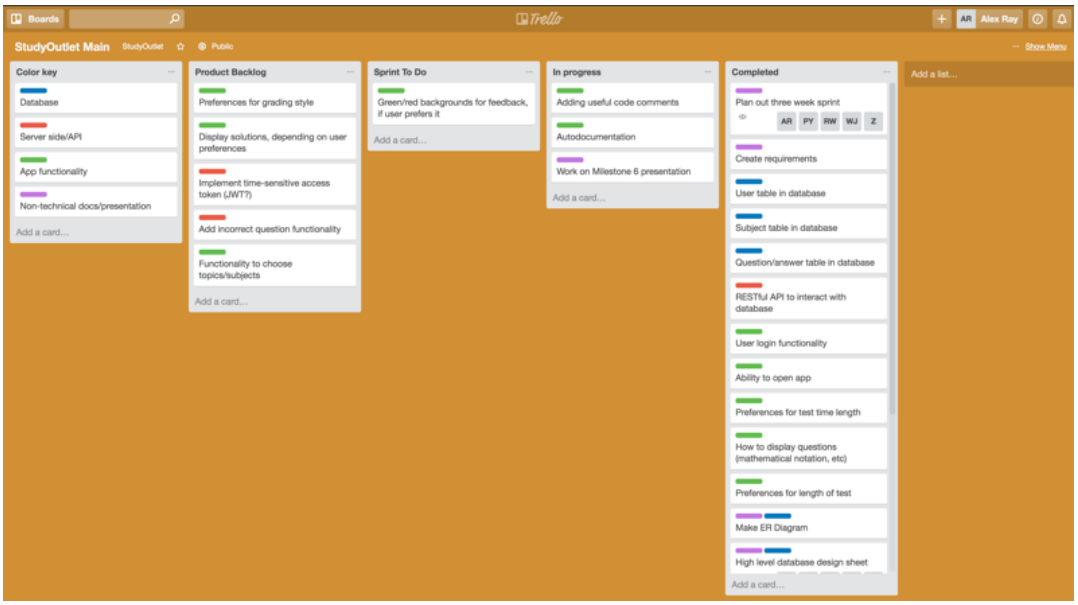
May 9, 2017

1 Project Tracker

- **Screenshot**



- **Link To Project Tracker**

  https://trello.com/b/YQO6EV2v/studyoutlet-main

- **Note**

  We used a combination of Trello and the README on github for tracking todos, etc. We mostly used Trello as a static task tracker. As noted in our Milestone 6 presentation, we did not find Trello particularly helpful for project tracking.

2 Video

All videos are available here: https://github.com/alexander-ray/StudyOutlet/tree/master/DEMO

3 Version Control System

- **Repository Structure**
  - Main level contains Milestone submissions, assorted configuration files for Vapor, README, etc
  - Sources folder contains all important swift files for the back-end
    - Controllers subfolder contains controllers, Models contains models, etc.
    - main.swift is driving function for backend
  - StudyOutlet folder contains all files for the front-end
    - StudyOutlet sub-folder contains all controllers, models, etc for front-end
      - Testing functionality is in "GR0877ViewController.swift". The test model is in "Test.swift".
    - StudyOutletUITests sub-folder contains all unit tests
    - Carthage sub-folder contains front-end dependencies
  - DEMO folder contains all demo videos of the app
  - "Milestone aux files" folder contains UAT documents
  - "Physics GRE Files" folder contains GRE question/answer images

- **Link To VCS**

  https://github.com/alexander-ray/StudyOutlet

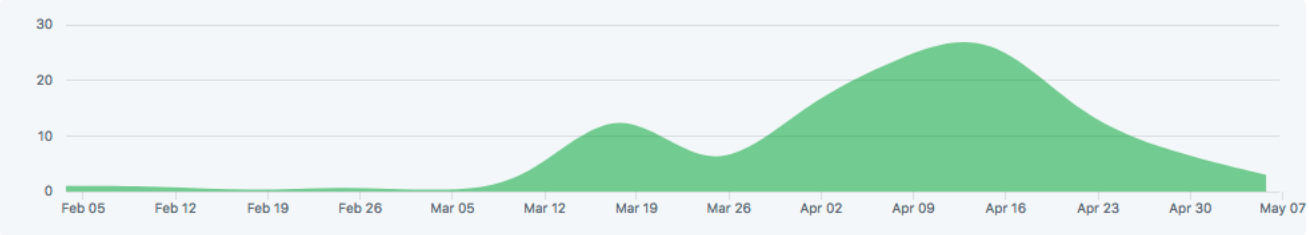
4 Github

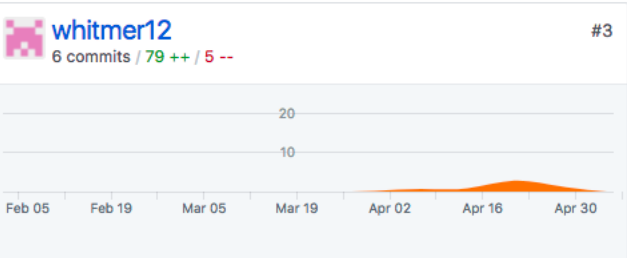
- **Contribution screenshots**

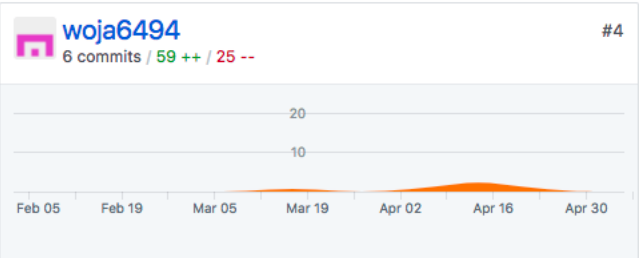
Feb 5, 2017 – May 8, 2017

Contributions: **Commits**

Contributions to master, excluding merge commits







- **Notes**
  - Alex's first contributions early in the semester don't show in graphs, as he was committing as "Alex Ray" not his actual Github account. Zoe's contributions also do not show up on the graphs for the same reason. Proof of contributions can be found in the commit history.
  - See the Network visualization under Graphs on Github for a more complete picture of the project contributions throughout the semester.

5 Deployment

- **Deployment Environment**

  While we've deployed our API on Heroku, https://studyoutlet.herokuapp.com just gives a 404 error code as the deployment contains no actual webpages. Instead, the API weve deployed on Heroku is only our REST API supporting our apps authentication/authorization as well as its retrieving data endpoints. Example functional endpoints used by our app are as follows:

  1. https://studyoutlet.herokuapp.com/api/register
     (a) `POST` request endpoint
     (b) Requires a `Content-Type` header with value `application/x-www-form-urlencoded`
     (c) The body of the request must be `application/x-www-form-urlencoded`. For registration, there must be a key `password` with a value of a password containing at least one number and one uppercase letter. There also must be a key `email` with a valid email address as a value.
     (d) This endpoint will return the email address if the new account has been registered. If the account is already in use, an "account already registered" message will be returned. If an improper email address or password was provided, the returned message will indicate that.
  2. https://studyoutlet.herokuapp.com/api/questions
     (a) `GET` request endpoint
     (b) Requires an `Authorization` header with value `Bearer -saFWjj89Hj5fP_a8Cby3A` as well as a `Content-Type` header with value `application/json`
     (c) This endpoint will return JSON of every question in our database.

- **Deployment demo video**

  https://github.com/alexander-ray/StudyOutlet/blob/master/DEMO/StudyOutletRunDemoSmall.mov

- **Note**

  Yogitha said "For deployment, you need not mention all the steps on how to setup all the dependencies and run the app, you could just share a video where you deployed

the application on mobile / simulator." Follow the above link to our deployment video to satisfy this requirement. Instructions on how one might run the test cases are in Milestone 5.