

Title: Icarus Project

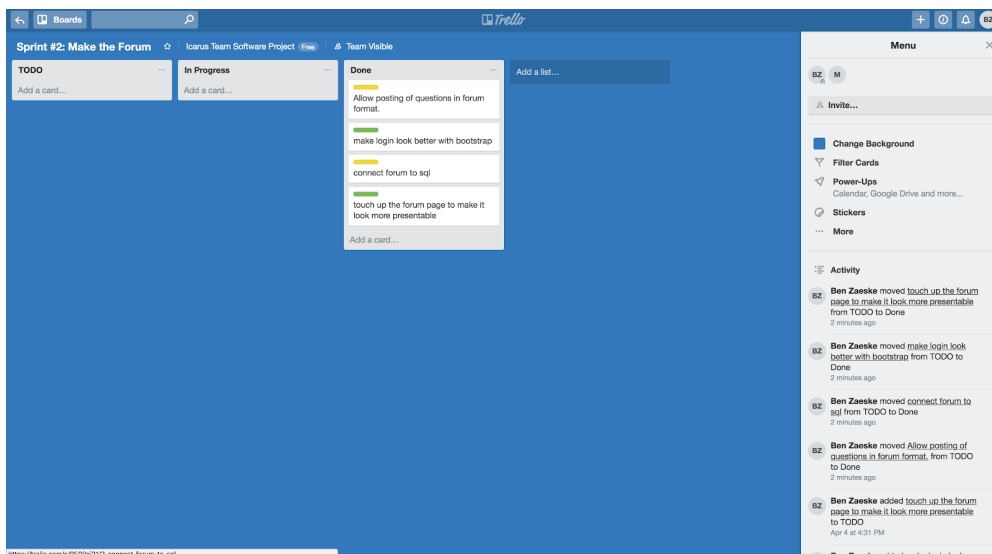
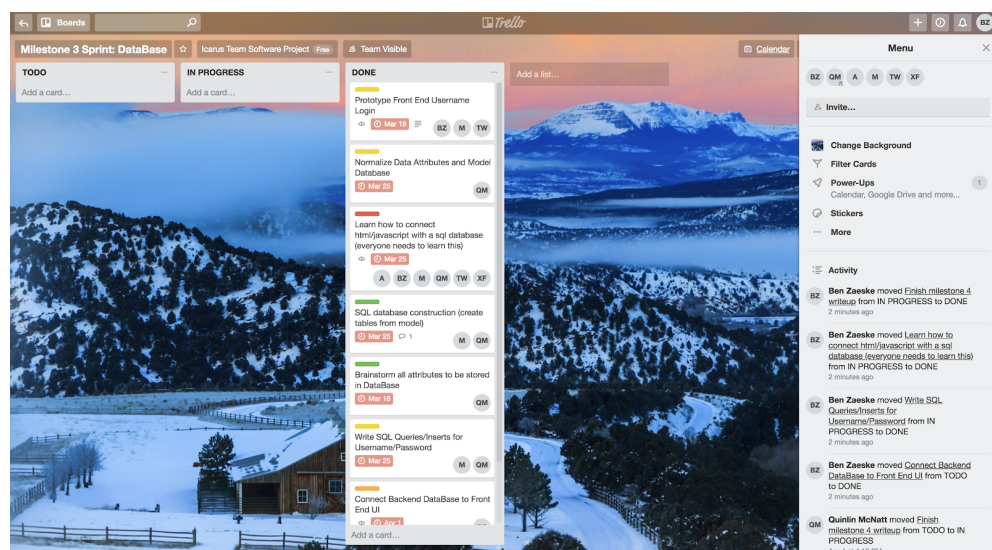
Who: Ben Zaeske, Quinlin McNatt, Xuejuan Feng, Michael Wegner, Aidan Duggan, Tianfang Wang

Project Tracker: Trello

Trello link: <https://trello.com/icarusteamsoftwareproject>

Note that this link may be private and the grader might not be able to view it.

Screenshots of our trello boards are below:



Video Demonstration:

<https://www.youtube.com/watch?v=M-XfGMFyuLE&feature=youtu.be>

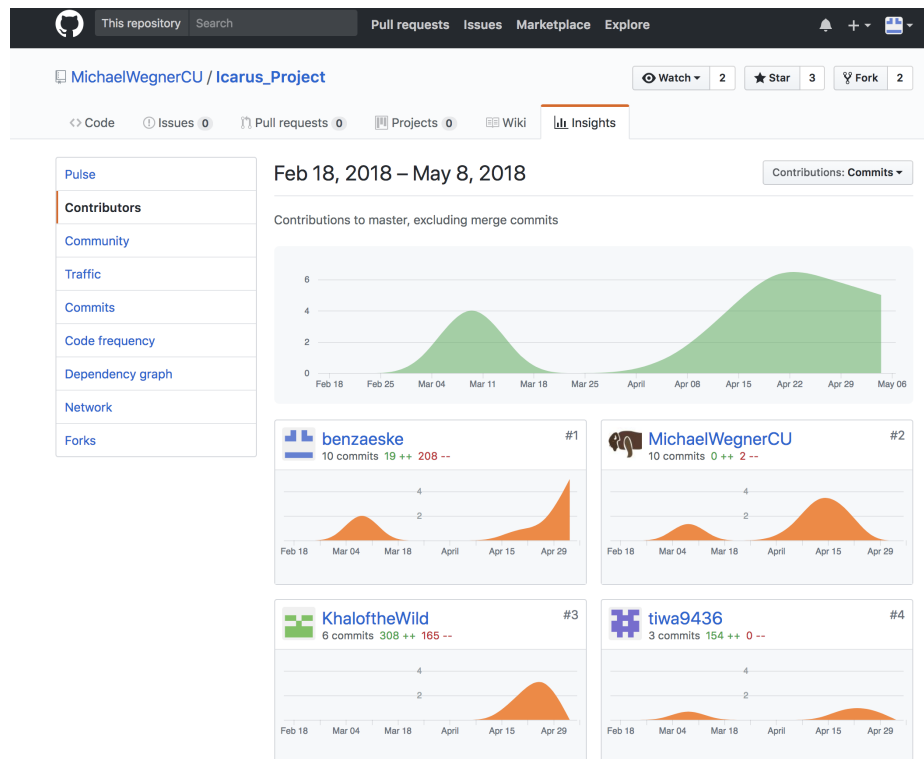
VCS: The following is the link to our github repository:

https://github.com/MichaelWegnerCU/Icarus_Project

The top level of our repository contains our sql generation statements, a folder called 'Application' (which contains all the files for our application), and a folder called 'Milestones' (which contains all of our milestone write ups including this one). Sql statements to create the tables our app uses are in the top level of the github as well in the file called 'Database Generation'.

Github contributions:

-One of our group members (Quinlin McNatt) was very active in the coding process. However, for some reason we are unable to see his commits in github. He is responsible for database generation, milestone 4, and some front end application work, but for some reason his commits do not show up in our github.



One thing that the graders may note is that we do not have any automated tests in our github. We found that instead of using automated unit tests, it was more effective for us to run user acceptance tests. After adding features to our app we would run through a particular user scenario that would test the new feature we were trying to add. Three such user acceptance tests are documented in our milestone 5 (testing) write up. That being said, we acknowledge that automated tests are a requirement for the project, and we did take the time to learn phpunit. This is an automated unit test framework designed for php, and we have a basic phpunit test file in our application folder. However, our automated unit tests were not developed as we did not find it useful when developing our project.

Deployment:

We developed our app to run on a local machine so that we could focus on developing features instead of worrying about public deployment. In order to run our app yourself you will first have to clone our github (link above) and then follow these instructions:

1. Our app uses a sql database so you will have to run the sql database generation file "Database Generation" which is located at the top of our github before the app will work.
2. Next navigate to the directory where you cloned the github and enter the "Application" folder. From this folder, running the command "php -S localhost:9000" on terminal should start up our local web app on your machine. Note that your computer must have php (and related php server applications such as apache) installed in order to run our web app.