

MILESTONE 2

Team Name: College Crusaders

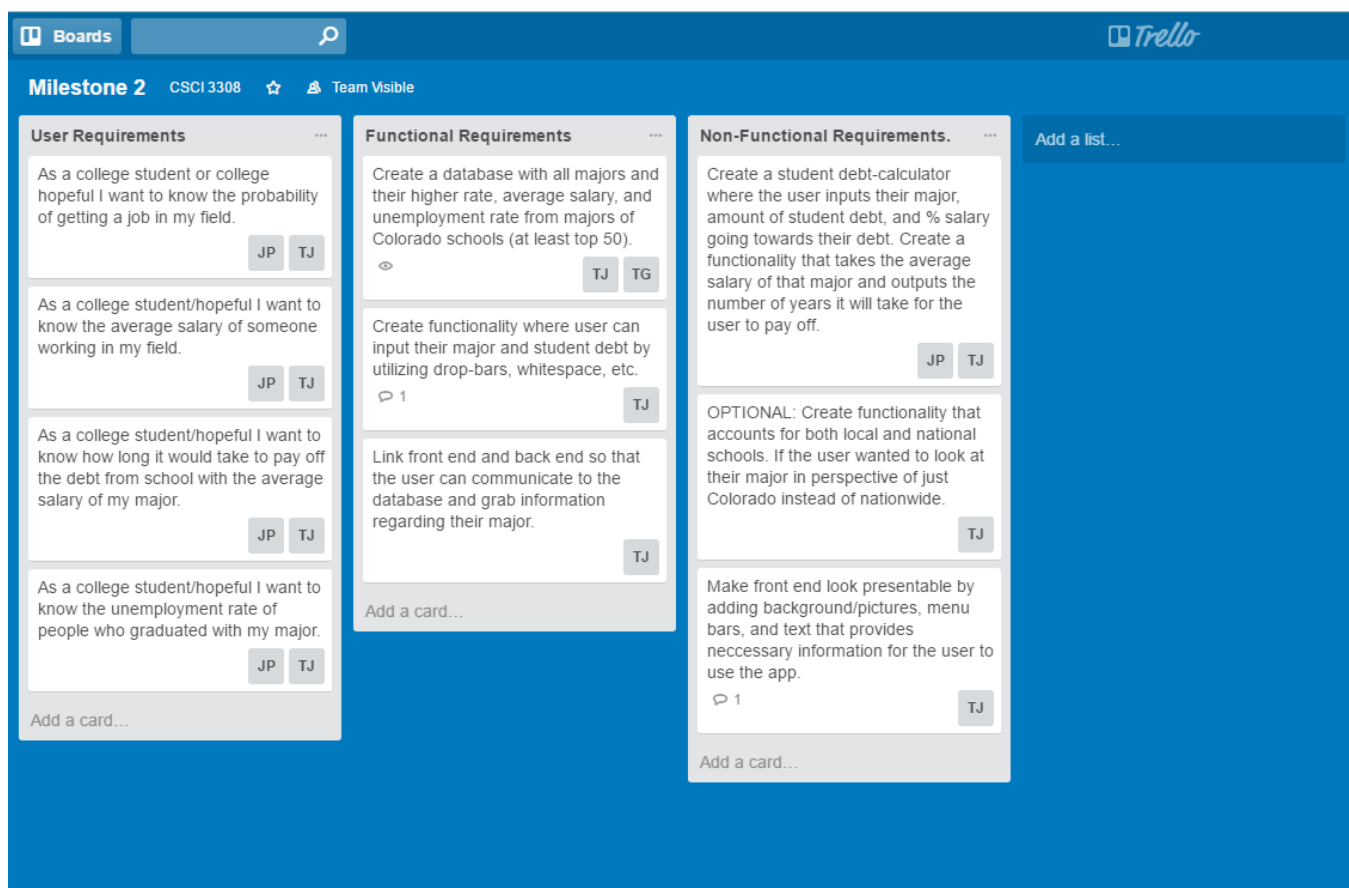
Members: Joey Pucciarelli, Jim Jenkins, Taylor Jesse, Toshali Ghimire, Dale Pepper, Nolawee Mengist

Project Management Tool and Plan Cycle Using Agile:

The project management tool our team will use for our project is Trello. Below is a screenshot of our Trello board that plans out our first 3 week sprint in the form of: User Requirements, Functional Requirements, and Nonfunctional Requirements. Link to our Trello Milestone 2 board:

<https://trello.com/b/VVemLPKc/milestone-2>

Plan Cycle within the Methodology:



As stated in phase 1, we plan on using the Agile methodology. Our goal for the first sprint is to create a baseline across all platforms in order to gradually build off of for each future sprint. To best achieve these requirements, our group decided it would be best to split into smaller subgroups. This will both help us utilize each individual's skill set and create an easier and more efficient way of communication (since there are less people involved). These two subgroups include: a backend group and a frontend group. We will also have an individual oversee and be involved in the tasks of both groups to ensure that everyone is

on the same page and that the project stays fluid and uniform throughout. For this sprint, the groups are listed below:

Backend Group: Joey Pucciarelli, Toshal Ghumire, Dale Pepper, Taylor Jesse

Frontend Group: Nolawee Mengist, Jim Jenkins, Taylor Jesse

Requirements for our first sprint include:

- **User Requirements (both frontend and backend)**
 - As a college student or college hopeful I want to know the probability of getting a job in my field.
 - As a college student/hopeful I want to know the average salary of someone working in my field.
 - As a college student/hopeful I want to know how long it would take to pay off the debt from school with the average salary of my major.
 - As a college student/hopeful I want to know the unemployment rate of people who graduated with my major.
- **Functional Requirements**
 - Create a database with all majors and their hire rate, average salary, and unemployment rate from majors of US/Colorado schools (at least top 50). (backend)
 - Create functionality where user can input their major and student debt by utilizing drop-bars, text boxes, etc. (frontend)
 - Link front end and back end so that the user can communicate to the database and grab information regarding their major. (frontend and backend)
- **Nonfunctional Requirements.**
 - Create a student debt-calculator where the user inputs their major, amount of student debt, and % salary going towards their debt. Create a functionality that takes the average salary of that major and outputs the number of years it will take for the user to pay off. (backend and frontend)
 - OPTIONAL: Create functionality that accounts for both local and national schools. If the user wanted to look at their major in perspective of just Colorado instead of nationwide. (backend)
 - Make front end look presentable by adding background/pictures, menu bars, and text that provides necessary information for the user to use the app. (frontend)