Software Development in Teams

CSCI 39549
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How we build software in teams

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Agenda

1 Retro

2 Reading Discussion

3 Team Assignment

4 Intro to Planning & Trello

5 Break

6 Project Assignment

Announcements

Grace Period for Homework Submissions

We've opened up submissions for V1 and V2 of your homework assignment. If you submit now, you're eligible for 80% of the total grade.

Retrospective

Reading Discussion

" How could it cost hundreds of millions of dollars and take nearly a decade just to figure out where they are and report that information to the public? Really: How?"

Why New York Subway Lines Are Missing Countdown Clocks

Team Assignment

TEAMWORK MAKES THE DREAM WORK

Find your team

Team One

Abdullah Hasan
Mohamed Raffik
Harneet Kaur
Chuk Ho Wu

Team Two

Yin Yu Chen
Qiu Qun Wang
Emil Murzametov
Shelly Huang

Team Three

Mohammed Elsayed
Kristoff Campbell
Raymer Contreras
Pian Sang

Team Four

Deion Bacchus
Kevin Espinola
Alina Zhong
Johnny Qiu

Introduction to Planning

" User stories are short, simple descriptions of a feature told from the perspective of the person who desires the new capability, usually a user or customer of the system. They typically follow a simple template:

As a < type of user >, I want < some goal > so that < some reason >."

Anatomy of a User Story

Who benefits from this feature?

As a < type of user >, I want < some goal > so that < some reason >.

Anatomy of a User Story

What do they want to do?

Who benefits from this feature?

**As a < type of user >, I want < some goal >
so that < some reason >.**

Anatomy of a User Story

What do they want to do?

Who benefits from this feature?

As a < type of user >, I want < some goal > so that < some reason >.

Why is the feature useful to them?

For example....

What do they want to do?

Who benefits from this feature?

As a **student,** I want **access to my grades** so that **I know how I'm doing.**

Why is the feature useful to them?

In groups of 2-3:
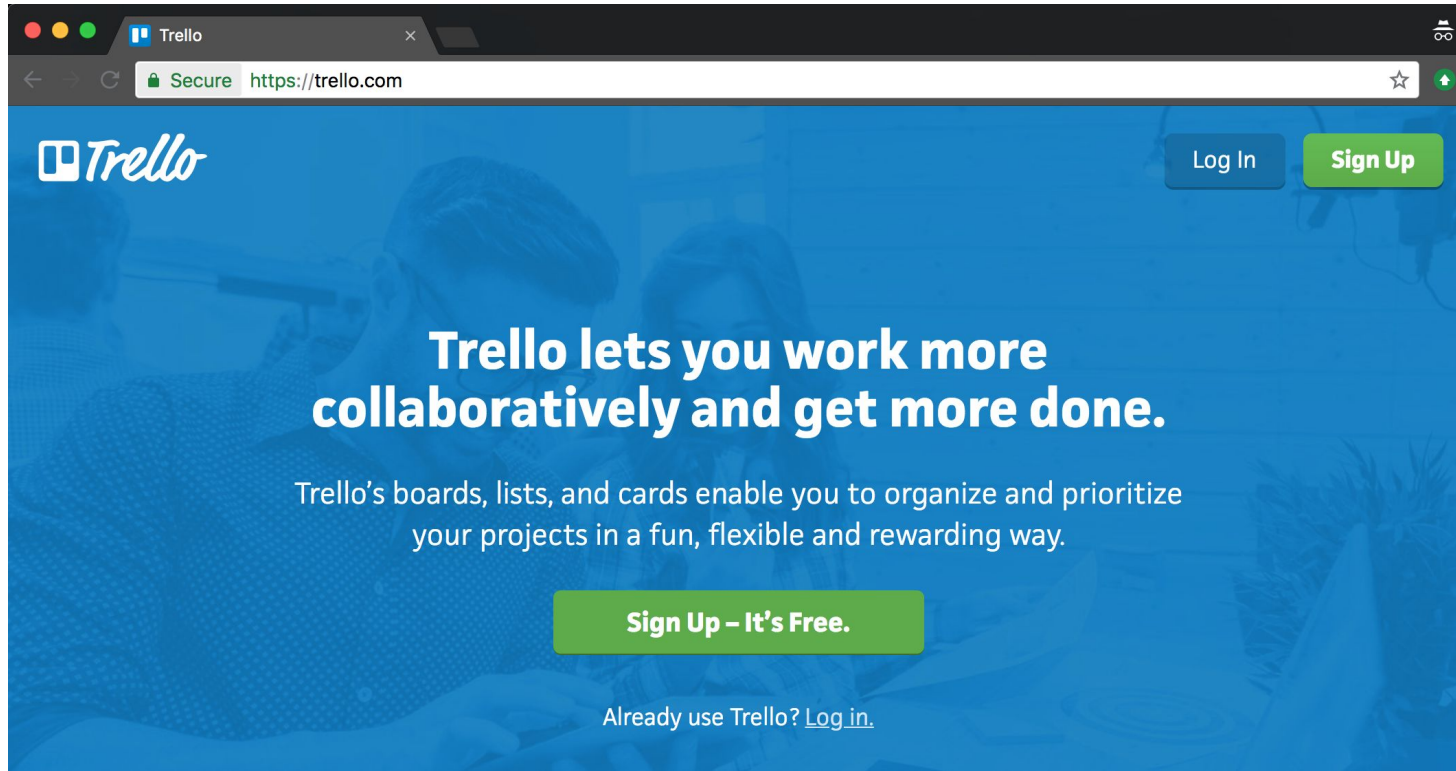
👉 **TODO: Identify potential user stories for a Calculator web application. Use the format:**

As a < type of user >, I want < some goal > so that < some reason >.

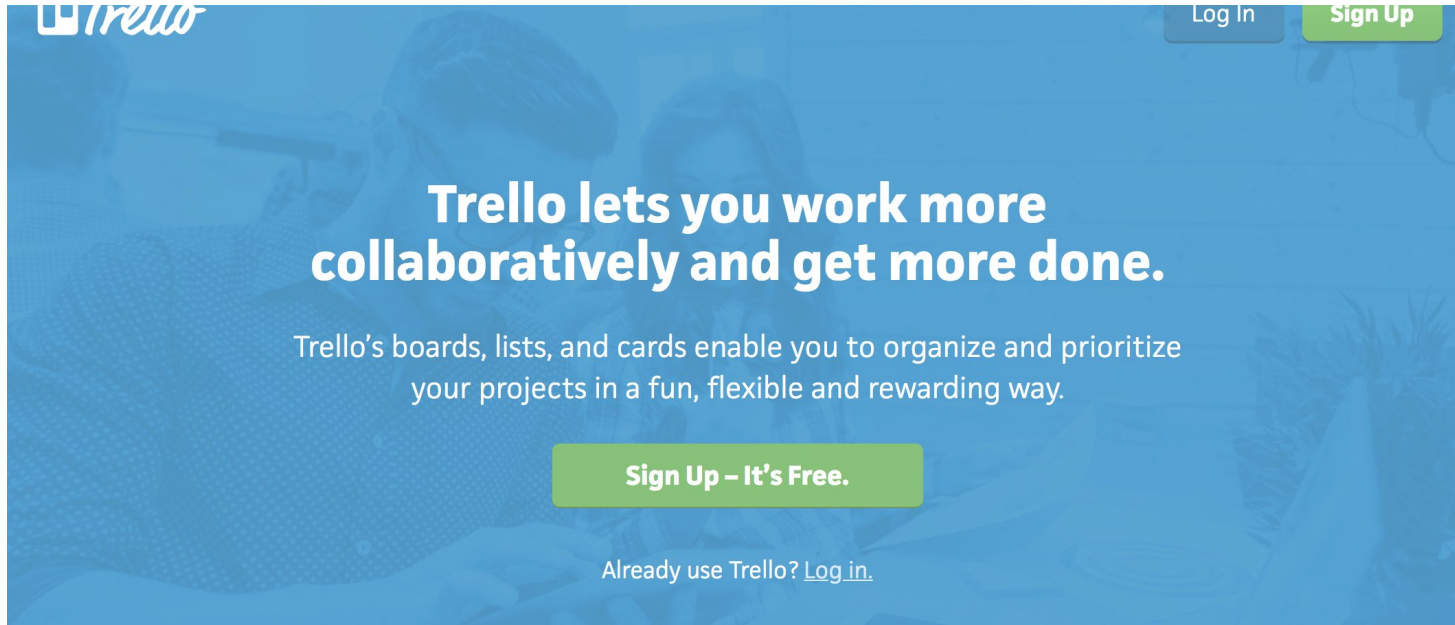If you're stuck, check out **Mountain Goat Software's** Writeup on "User Stories" (google it!)

Trello for Project Management
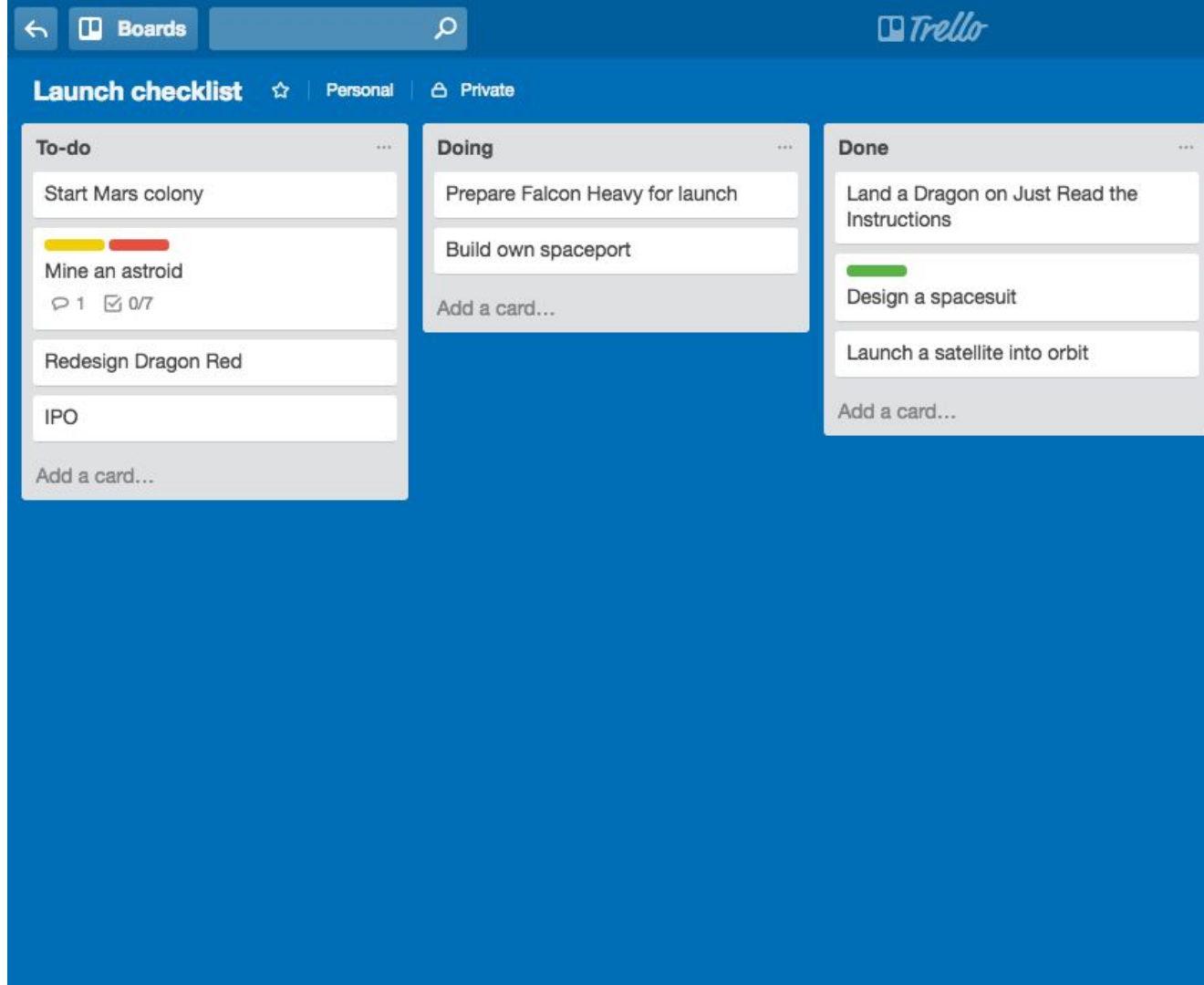
Trello for Project Management

👉 **TODO: Visit trello.com and create an account.**

To Do -> Doing -> Done Format

This story board format is easy to follow and helps the team track the progress of work.

10-minute Break

Project Assignment

Photo-Filter Application

Along with your teammates, you will be writing a web application that adds filters to pictures you upload.

Requirements for V1 (due 10/17)

👉 **The first version of your Flask web application should:**
  1. Allow a user to choose an picture to filter;
  2. Allow a user to select from 3 potential image filters (of your choosing);
  3. Display the filtered image to the user.

Homework: Project Planning

Homework

👉 **TODO: With your teammates, plan out V1 of your project using Trello. Your project plan should be posted to Trello by the next class meeting (10/10).**

<u>NOTE:</u> each team should have only one Trello board!