Milestone 2: Project Management
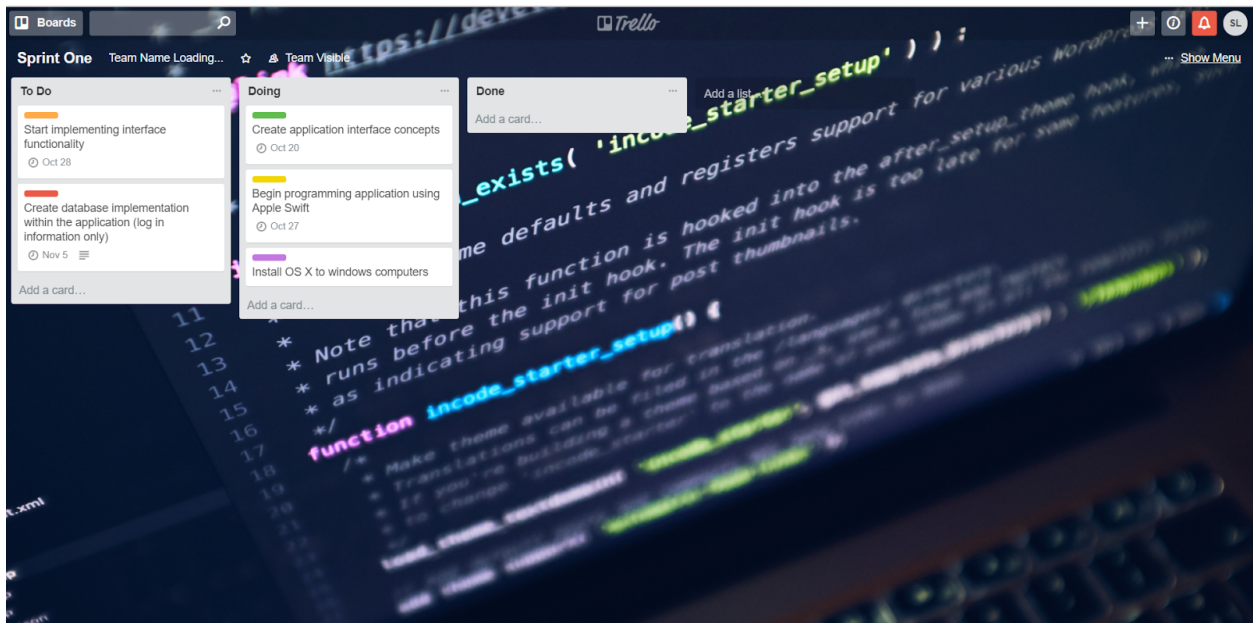
Team Name Loading…

Lucas Lyon, Sam Leon, Telly Umada, Spencer Milbrandt

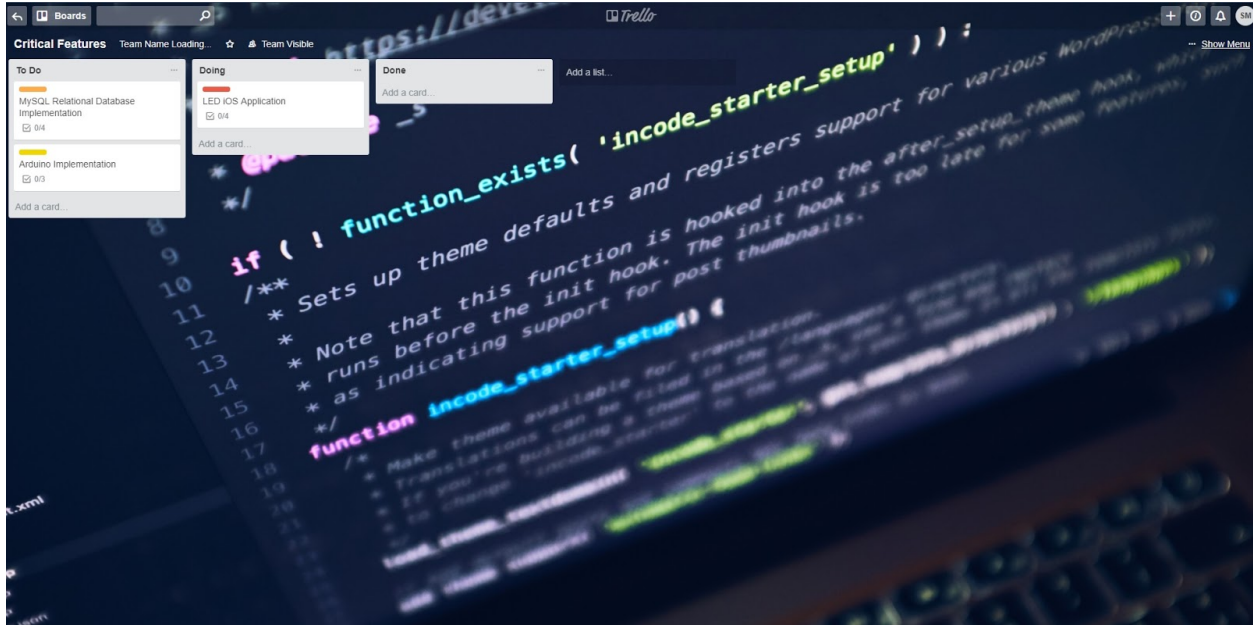## 1. Project Management Tool

Trello and Slack

2. Plan Cycle within the Project Management Method -

➤ We will be using Trello as our software tool for planning and keeping track of progress on this project.

➤ Critical Features:
- ○ Back-End
  - ■ MySQL Relational Database
    - ● Login Information
    - ● LED Commands
    - ● User Favorites
  - ■ Arduino
    - ● LED Patterns
    - ● Wifi Connectivity
- ○ Front-End
  - ■ Application UI implemented using Apple Swift
  - ■ Pulls and pushes LED commands from database to Arduino

Agile Methodology
- ➢ We will collaborate using the Agile methodology
  - ○ This means everyone self assigns work
  - ○ We all decide what is least/most important
  - ○ We report back to one another and try to keep in sync with what is happening (via Slack, Lab Section, and Weekly Scrums)
- ➢ We have agreed to meet/update each other regarding the project progress every week on Friday/Saturday. Assuming no physical presence is needed, we will communicate via Slack.
- ➢ Agile Summary
  - ○ Due to the requirement of learning all of the programming languages needed to accomplish this project (Arduino, MySQL, Apple Swift/Xcode) we agreed to share equal responsibility but also split focus based on experience
    - ■ MySQL - Spencer and Lucas Focused
    - ■ Arduino - Spencer and Sam Focused
    - ■ Apple Swift/Xcode - Telly and Lucas Focused
  - ○ Sam has LEDs and an Arduino board for unit testing