

Sprint 1 Plan

Product Name: All Aboard Attendance

Team Name: The Bolts

Sprint Completion Date: July 7, 2019

Revision: 0

Revision Date: 06/29/19

Team Members: Donghyun Kim, Matt Jacobs, Suleyman Saib, Trevor Weger, Wesley Smith

High level Goals:

1. Become adept and proficient in the django framework enough to build the basic infrastructure of our web app.
2. Begin to design our database and experiment with data organization.
3. Research how to develop QR code and key generation tools to implement into the web app.
4. Create a basic web app where a professor can start a session, students can give their ID, and then the ID's are listed for the professor.

Sprint 1: 07/01 - 07/07

- **Spike:** Database/django framework research
- **Spike:** Keygen/ QR code research
- **User Story 1:** As a student or a teacher, I want the attendance to be accurate[5]
 - Task A: Open/close session functionality **6 hours**
 - Task B: Data storage functionality **4 hours**
 - Task C: QR code generation for a session **3 hours**
 - Task D: Temporary ID generation unique per student per session **2 hours**Total time for user story 1: 15 hours
- **User Story 2:** As an instructor, I want the raw attendance data to be compiled into a simple attendance list[3]
 - Task E: Student logged when temporary ID is generated **3 hours**
 - Task F: Compile logged students into list where each attending student only appears once. **2 hours**Total time for user story 2: 5 hours
- **User Story 3:** As a researcher, I want access to the raw attendance data for analysis[2]
 - Task G: Give the user a way to access the data from the webpage. **3 hours**Total time for user story 3: 3 hours

Team Roles:

- Donghyun Kim: Developer,
- Matt Jacobs: Developer,
- Suleyman Saib: Developer,
- Trevor Weger: Developer, Scrum Master
- Wesley Smith: Developer, Product Owner

Initial Task Assignments:

- Donghyun Kim:
 - Task C
- Matt Jacobs:
 - Task B
- Suleyman Saib:
 - Task E
 - Task F (tentative, shouldn't be hard after E)
- Trevor Weger:
 - Task D
- Wesley Smith
 - Task A

Scrum Times: (TA meet up TBA when schedule given)

- Monday: 12:30-1:00pm
- Wednesday: 12:30-1:00pm
- Friday: 12:30-1:00pm

Initial Scrum Board:

Due to complex schedules and a lack of a dedicated space of the team, our team will use the *Trello* app to keep track of tasks progression and completion.