

Sprint #1 Plan

Product Name: E-tendance, **Team Name:** Midnight Cobra

Sprint Completion Date: 2/2/18, **Revision Number:** 1.0, **Revision Date:** 1/24/18

- **Goal:** Set up the app and database so that a professor/student is able to create an account and their account information is saved in the database. User should be able to sign in to their account once it has been created, and functionality should be different for professors and students.
- **Task listing, organized by user story:** This section lists the user stories, in priority order from most important (top) to least important (bottom). Within each user story, there needs to be a list of tasks required to implement the user story, along with the time estimate for each tasks (preferably less than or equal to 6 ideal hours). This should look like:

User story 1: As a developer, I need to learn and be able to use Android Studio.

Android Studio (2 hour): Complete Android Studio tutorials on app development.

Architecture (5 hours): Build the architecture for each activity and have the activity be able to interact with other activities.

UI Research (6 hours): Research different menu structures and methods of navigating the app. This could include learning fragments and implementing a menu bar.

Total for user story 1: 13 hours

User story 2: As a student, I want my account to be saved in a database so that my information is not lost.

Learn Firebase (5 hours): Complete Firebase tutorials

Firebase Connection (10 hours): Connect Google Firebase to Android Studio successfully.

Firebase Interaction (8 hours): Be able to process queries between Firebase and E-tendance (our app).

Total for user story 2: 23 hours

User story 3: As a UI designer, I want there to be two different flows depending on if the user is a professor or student.

Different User Types (6 hours): Implement a Professor box during sign-up that differentiates their account from a student account by interacting with the database.

Separate UI Paths(8 hours): When signing in, check if user is a professor or student through the database and use the appropriate UI flow.

Total for user story 3: 14 hours

- **Team roles:**

Matthew Dunn: Product Owner, Q/A, Developer

Katelyn Suhr: Initial Scrum Master, Developer

Joseph Aronson: UX Designer, Developer

Anisha Tavva: Developer

Darren He: Developer

- **Initial task assignment:** A listing of each team member, with their first user story and task assignment. This should look like:

Darren He: User story 2, Learn Firebase, Firebase Connection

Matthew Dunn: User story 1, Learn Android Studio

Katelyn Suhr: User story 1, Learn Firebase

Joseph Aronson: User story 1, Architecture

Anisha Tavva: User story 1, Learn Firebase

- **Initial burnup chart:** A graph giving the initial burnup chart for this sprint and is labeled as such with sprint number and project name and is located in the lab.

See lab whiteboard

- **Initial scrum board:** Also known as a task board, the scrum board is a physical board and labeled as such with sprint number and project name and located in the lab. This board has four columns, user stories, tasks not started, tasks in progress, and tasks completed. Index cards or post-it notes representing the user stories and the tasks for this sprint should be placed in the user stories, tasks not started, and tasks in progress columns. Tasks associated with a user story should be placed in the same row as the user story.

See lab whiteboard

- **Scrum times:** List at least the three days and times during the week when your team will meet and conduct Scrum meetings. Also, indicate which of these meetings will have the TA visit as arranged with the TA. It is expected the TA will visit during the Scrum meeting during your lab time.

1. Tuesday @ 3:30 PM
2. Wednesday @ 6:00 PM
3. **TA Meeting: Thursday @ 11:00 AM**