Release Plan-CMPS 115

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Team Name: Midnight Cobra **Product Name:** E-tendance **Release Name:** E-tendance 1.0
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High Level Goals: (Goals highest - top of paragraph) As a team, our main goal is to be able to create an android app that will facilitate keeping attendance records for professors. This will support students financially such that they would not have to purchase a physical device or subscription for their courses. The app will be designed to be easily integrated into daily lecture routine. The professor would post the daily attendance code that students would use to check in. Any announcements that the professor wants student to view would be available from the class page when students check in. There are multiple goals that we want to be able to accomplish at the time of the release of the product. We want to have two separate interfaces for professors and students. We want to provide a method for professors to be able create classes, create an attendance day, and set up a class code that will allow students to be marked as present if and only if they are in the correct proximity of the classroom based on their location. We would like the professors to be able to view a list of absent and present students. On the student side, we would like students to have the ability of adding a class with a class code and pin. We would use the student's location to verify their physical presence in class in addition to entering an attendance code set by the professor.

User Stories for Release:

- **Sprint 1**

User Story 1: As a developer, I need to learn and be able to use Android Studio. Story point: 5

User Story 2: As a student, I want my account to be saved in a database so that my information is not lost. Story point: 8

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. Story point: 5

- **Sprint 2**

User Story 1: As a professor I want to be able to create and save classes where students are able to join. Story point: 8

User Story 2: As a student, I want to be able to join the classes my professor created. Story point: 8

User Story 3: As a professor, I want users to be able to check in to class, and see who checked in. I want to ensure only students that are physically in class can check in. Story point: 13

- **Sprint 3**

User Story 1: As a developer, I want to understand the Google Location Services API in order to implement the Geocheck functionality into taking attendance.

User Story 2: As a professor, I want the students' location data to be verified upon check-in so that students cannot check-in remotely without attending lecture.

User Story 3: As a UI designer, I want the app to have visual appeal and intuitive usability so that professors are more likely to use it.

User Story 4: As a professor, I want to be able to view what students are present, absent, and send my students announcements.

User Story 5: As a student, I want to see important announcements from my professor and view my attendance record.

Product Backlog:

As a professor, I want to generate a new class code for my students to differentiate the ones that go to class vs the ones that don't go for that particular day.

As a student, I want my quiz responses to be recorded so that the professor can see that I answered.

As a developer, I need to develop a polling mechanism to check the frequency of data from the server, refresh the server of incoming data, and reduce error from unnecessary connection.

As a student, I want to save all the questions the professor asked along with the correct answers to study for a later time.

As a developer, I need to learn how to define location parameters so that room codes are not accepted unless students are present in class

As a professor I would like to easily and quickly analyze trends in my student's data. -we could implement graphical representations of a classes data.

As a student who doesn't have a smartphone I would still like to use the features of the app. -we could create a web interface that communicates with the database.

As a professor, I would like my students to not only know if they got the attendance quiz correct but also how their answers compare with that of their fellow students. - we could create a results

page on each device that displays the classes results on the attendance quiz visually after polling is complete.

Project Presentation: see presentation slides.