Release Plan-CMPS 115

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Team Name: Midnight Cobra **Product Name:** E-tendance **Release Name:** E-tendance 1.0
Release Date: March 2018 **Revision Number:** 1.1 **Revision Date:** January 31, 2018

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 replace the use of iClickers. This will support students financially such that they would not have to purchase an iclicker for their courses as well as allow students to be easily engaged in their class with a simple app. There are multiple goals that we want to be able to accomplish at the time of the release of the product. We want to provide a method for professors to be able to set up a class code that will allow students to be able to join the particular class section if and only if they are in the correct proximity of the classroom based on their location. We also want the app to automatically suggest classes that can be added by the students based on their schedule for that specific quarter. We want the professors to be able to poll, quiz, and ask a variety of questions for their students. We would also like to add a online discussion section that allows students to discuss test answers as well as allow students to be able to ask any questions that they have regarding the class.

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.

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

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.

- **Sprint 3**

User Story 1: As a professor, I want to generate a new class code for my students to differentiate the ones that go to class versus the ones that don't for that certain day.

User Story 2: As a student, I want to be able to view student averages for questions that were asked , so I can view where I stand in my class.

User Story 3: As a professor, I want to be able to easily access each individuals(students) progress.

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.