TITLE: Introducing Venue to Your Classroom

Hello **Mr/Ms/Mrs. John Doe,**

My name is Arthur Mosley and I work with 3 other developers on a class attendance tracking system called Venue under the supervision of Rensselaer Center for Open Source (RCOS). Venue is both a mobile and web application that's aim is to guarantee that a student is present in your class. Primarily, Venue's goal is to minimize the amount of time attendance takes to collect ensure the legitimacy of the attendance.

How it works...

As a student...

Venue's mobile application will be downloaded to their smart phones. When first opening the application, the student will enter their SIS credentials which will import their current academic schedule to the application. When a student has class, the professor of the class will put an image on the board. At this point, the students will use the camera functionality of Venue and take an image of it. Each image of the screen will have a unique identifier to the phone that it was taken on and if duplicates were to be found, attendance for that day would not count for either user.

As a Professor...

Venue's desktop version will be used in this case. From the professors side, there will be a randomly generated QR code on the board that they can put up at any point in the class. At this point, the students take images and attendance records of each students update accordingly. There will also be a way for the images to be checked and screened by a TA, for instance. In this case, the TA can verify success of the images if there is any sort of doubt in their legitimacy. At any point, attendance and student lookup can be done to view each students record up until that point.

We all understand that attendance is often low in classes at RPI. Specifically larger courses. Since larger courses (upwards of 50 students) are not easy to manage taking attendance for, Venue would work perfectly.

Best,

Numfor Mbiziwo-Tiapo, Arthur Mosley, Ethan Whitton, and Abdul-Muiz Yusuff

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