**Project Team:** Abimbola Adeyemi and Cameron L'Ecuyer

**GitHub**: https://github.com/camlecuyer/CloudComputeProject

**Project Name**: University non-emergency reporting and response application

**Project Description**:

Our application is made up of three main parts, the web application, the mobile application, and the database. The basic principle of the project, is that a UMKC student, faculty member, or guest could download the mobile application, and use it to report an issue to the school, much in the same way the 311 program allows problem reporting to the city of Kansas City. The issue is then sent to the database and stored until a Facilities Division member loads the issues into the web application. From the web application, a user can review the issues and create tasks out of them for the Facilities Division to later fix. The web application would also have the ability to display graphs based off the data to help guide and improve the Facilities Division's processes, or bring to light recurring problems or patterns in issues.

**Current Project Technologies**:

* MySQL server - hosted on Amazon AWS's RDS platform
* Linux Web server w/ Apache - hosted on Amazon AWS's EC2 platform
* PHP scripts to communicate with MySQL server - hosted on the EC2 web server
* Android mobile application - developed using Android Studio

**Research into the problem:**

Communications with Facilities Division Director Randy Shingleton have helped clarify several areas regarding the project, such as the parts of the Facilities Divisions and their responsibilities, issues that do not fall under the scope of the Facilities Division, and that the Division has a tool to communicate with the parts of the Division, but not to communicate with the school as a whole.

Suggestions from Director Shingleton have inspired changes in how the user will report an issue, and the inclusion of photos when reporting the issue.

**Project Progress**:

The database is currently operational and has been populated with tables and data for the tables that require them. The EC2 web server can currently talk to the database and can retrieve data to be read by the Android application or by the web application. It is confirmed that Android can read and access the data using basic HTTP REST operations. The Android app is currently in development.

**Still to do**:

* Add Post services to the EC2 web server
* Create the web application - hosted on the EC2 web server and developed in Web Storm
* Finish the Android application