California State University San Bernardino
School of Computer Science and Engineering

CSE 575 Internship Presentation

Date

June 16, 2016

Time

6:00 PM

Place

Jack Brown Hall Room 360

Title

RoomQuest

Student

Christopher Koenig – Jose Banuelos – Thomas Saldana

Advisor

Dr. Josephine Mendoza

Abstract

The RoomQuest Mobile App for Android was started in the Winter quarter of 2014 by a team of students in Dr. Concepcion's Software Engineering class. The app is being developed at the request of Dr. Gerard Au. The previous iterations of the app made use of PDF images of CSUSB's floorplans and CSV files to store coordinate and occupancy data. As of the Spring 2016 quarter RoomQuest has been completely revamped using Esri's ArcGIS platform. This provides for a more organized method of mapping out every CSUSB building as well as storing occupancy data all by way of Esri's Geodatabase storage containers. The app itself has been programmed in the Java programming language. The app only contains Jack Brown Hall currently but will be completed over the summer to include all CSUSB buildings of student interest. It will also be expanded to enable real-time location tracking for navigation using WiFi.