

CALIFORNIA STATE UNIVERSITY
SAN BERNARDINO

Masters Project Presentation

Date

November 09, 2015

Time

11:00 AM

Place

JB 359

Title

WiN GPS: A Walking GPS for CSUSB

Candidate

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Advisor

Dr. David Turner

Committee Members

Dr. Ernesto Gomez

Dr. Kerstin Voigt

Abstract

For my project I have constructed a walking GPS application for mobile Android devices. It is a Google maps based application that will help the users to visually locate a destination in CSUSB campus. The application will show a map indicating the users' starting point, destination, and the path they walk by through their destination. It uses its own database. Users may add, edit, or eliminate a location.

I used Sqlite3 to handle the database which has information about most of the facilities on campus. The application is written in Java for Android.

Creating a Java for Android application has some specific details to consider which I will explain during my presentation. Java itself has some specific differences when it comes to Android development which I will go over during my presentation as well.

Finally, I will expose how the application works in a mobile phone device and I will simulate a tablet using Blue Stacks.