SPARC

UCSC Bus Buddy User Guide

12/03/13

Version 1.2

SPARC is a team of four UCSC Baskin Engineering Students working on their Senior Design Project.

Document Revisions

Date	Version Number	Document Changes
10/25/13	0.1	Initial Draft
12/03/14	0.2	Final Version

1   Introduction

1.1   Scope and Purpose

The purpose of the UCSC Bus Buddy mobile application is to help University of California, Santa Cruz, students with the bus transportation available on the UCSC campus. Bus transportation includes Santa Cruz Metro buses along with the campus run, Loop, East/West Remote, and Nightcore buses.
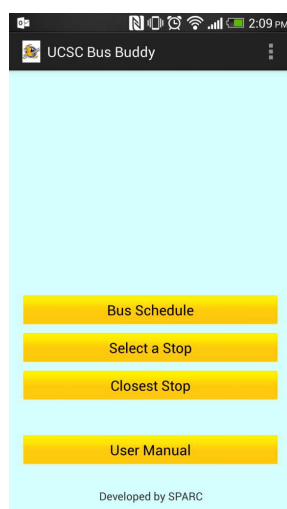
Bus Buddy covers the following functionality:

-Schedule of the Santa Cruz Metro buses (Bus # 10, 15, 16, 19, 20)

-Location of the closest bus stop to user's current location

-Schedule of the UCSC Loop, East/West Remote and Nightcore buses.

-Ability to pick any bus stop and get information about that stop.

We expect the user to have basic ability to use Android phones and Android mobile applications.

1.2   User Functionality

Using the UCSC Bus Buddy application is very simple. When clicked on the icon for the app, a welcome screen opens. The welcome screen has 4 options: Closest Stop, Select a Stop, Bus Schedule, or User Manual (where you are currently).
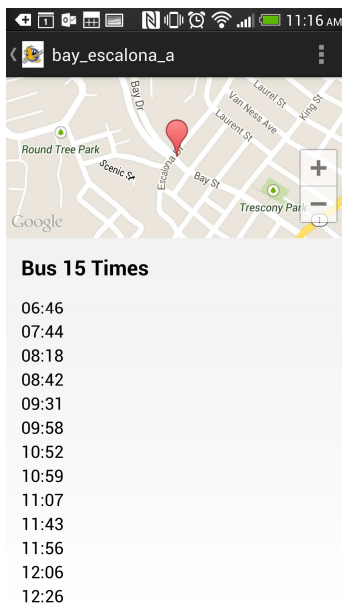
Upon clicking **Bus Schedule**:

Another page will open up:

You may now select which bus number you would like the schedule for. Once selected, a .pdf will open up which will contain the Santa Cruz Metro's schedule for that specific bus number.
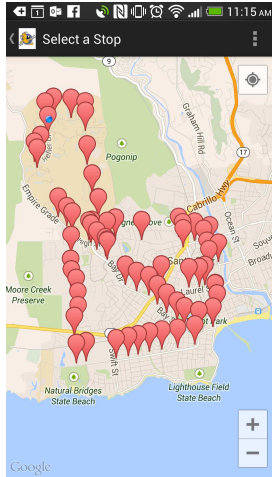
Upon clicking **Closest Stop**:

Another page will open up which will display the bus times for every bus coming to the stop closest to your current GPS location.

Upon clicking **Select a Stop**:

-Another page will open up which will display a Google map of the city of Santa Cruz which have will have markers for every stop in Santa Cruz.

-The user can zoom in on their current location.

-The user can then select which bus stop they want bus information for.

-Once selected, it will display the times for the current day.

Information

This mobile application was created by team SPARC whose members include Sable Yemane, Paul Scherer, Aastha Verma and Cole Varner as part of a class project for the CMPS 115: Introduction to Software Engineering at the University of Santa Cruz, California.

We would like to recognize the fact that any and all bus times were provided by Santa Cruz Metro and maps were all part of Google Inc

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9

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10