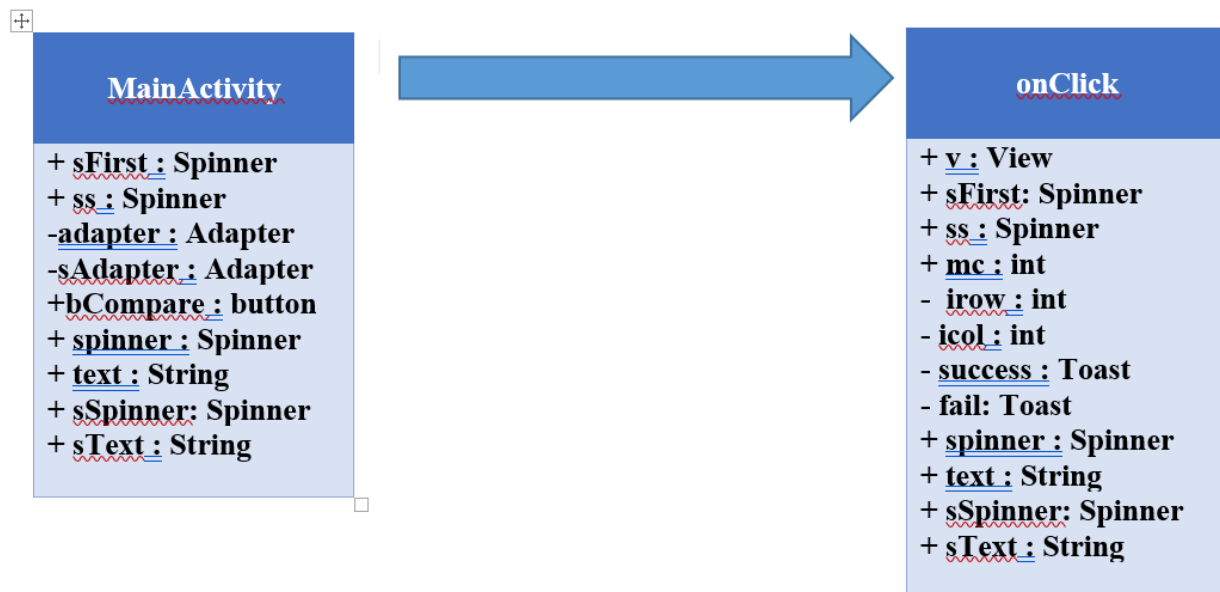# *Project 2 Final Write Up*

Abstract:

This document will provide information regarding ColorComparison, which was my final product for Software Development I.   This application allows users to verify if their color combination matches.

Introduction:

Prior to the start of this project, I was thinking about various ideas of what to make. I ended up taking on an everyday common issue for men, and fixed it using a mobile application. The issue many face, myself included, is the inability of knowing what to wear, and what colors go well with each other. This application is super helpful as it provides instant gratification, for it will instantaneously provide a response once the button is pressed. Simply launch the app, choose the colors, and find out whether the combination works.

Detailed System Description:

Below is a simple UML diagram depicting the two methods, and the variables in each. To provide some background information, the mainActivity is where a lot of the declaration magic happens. The onClick method is where the comparison occurs, and provides the output to the user.

MainActivity
+ sFirst : Spinner
+ ss : Spinner
-adapter : Adapter
-sAdapter : Adapter
+bCompare : button
+ spinner : Spinner
+ text : String
+ sSpinner: Spinner
+ sText : String

onClick
+ v : View
+ sFirst: Spinner
+ ss : Spinner
+ mc : int
- irow : int
- icol : int
- success : Toast
- fail: Toast
+ spinner : Spinner
+ text : String
+ sSpinner: Spinner
+ sText : String

System Requirements:

Since ColorComparison was built to be used on mobile devices, there are some system requirements that come along with it. To run this application, your device must be Android based, and have 3.74 mb of internal application storage available. In addition, your device must be running Android 6.0 (Marshmallow) or higher, in order to operate this product.
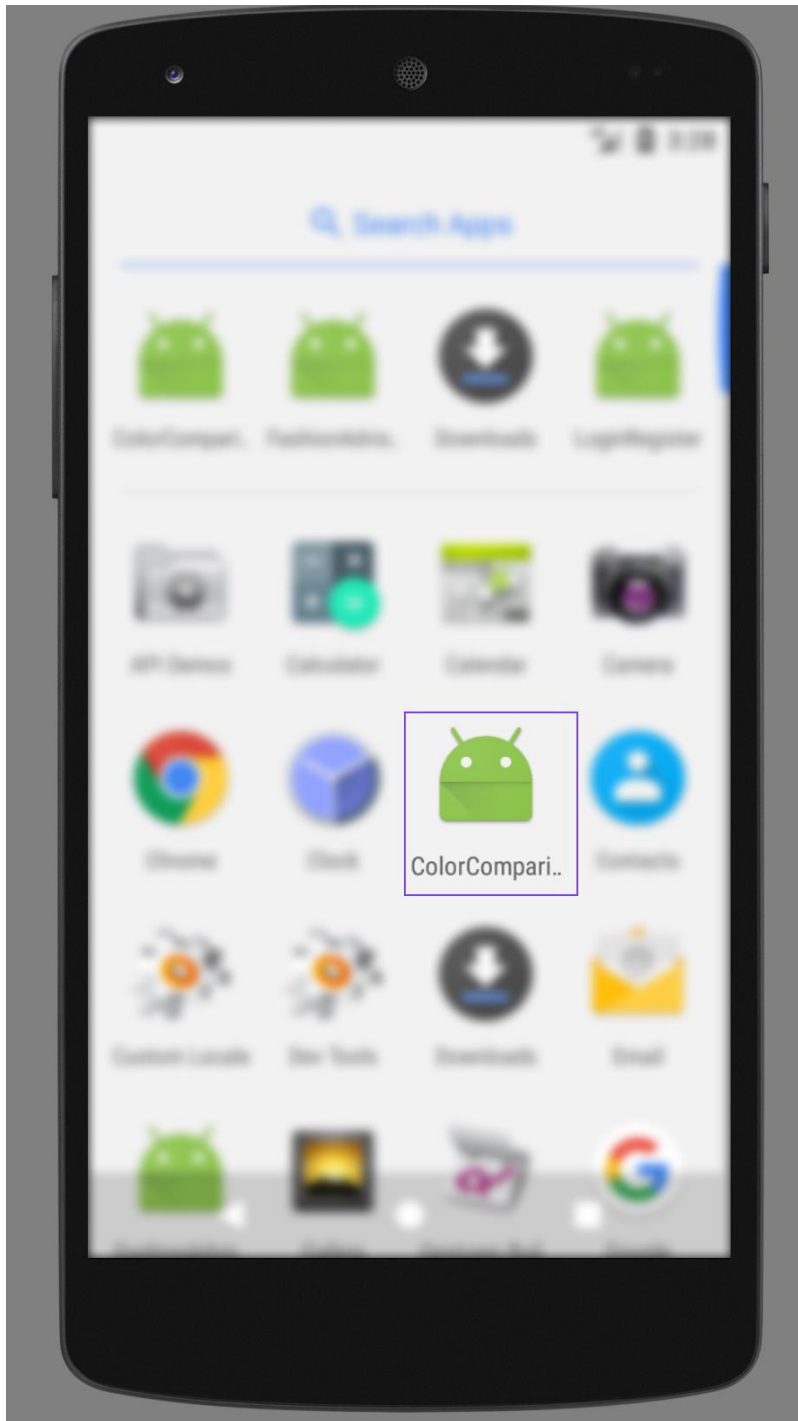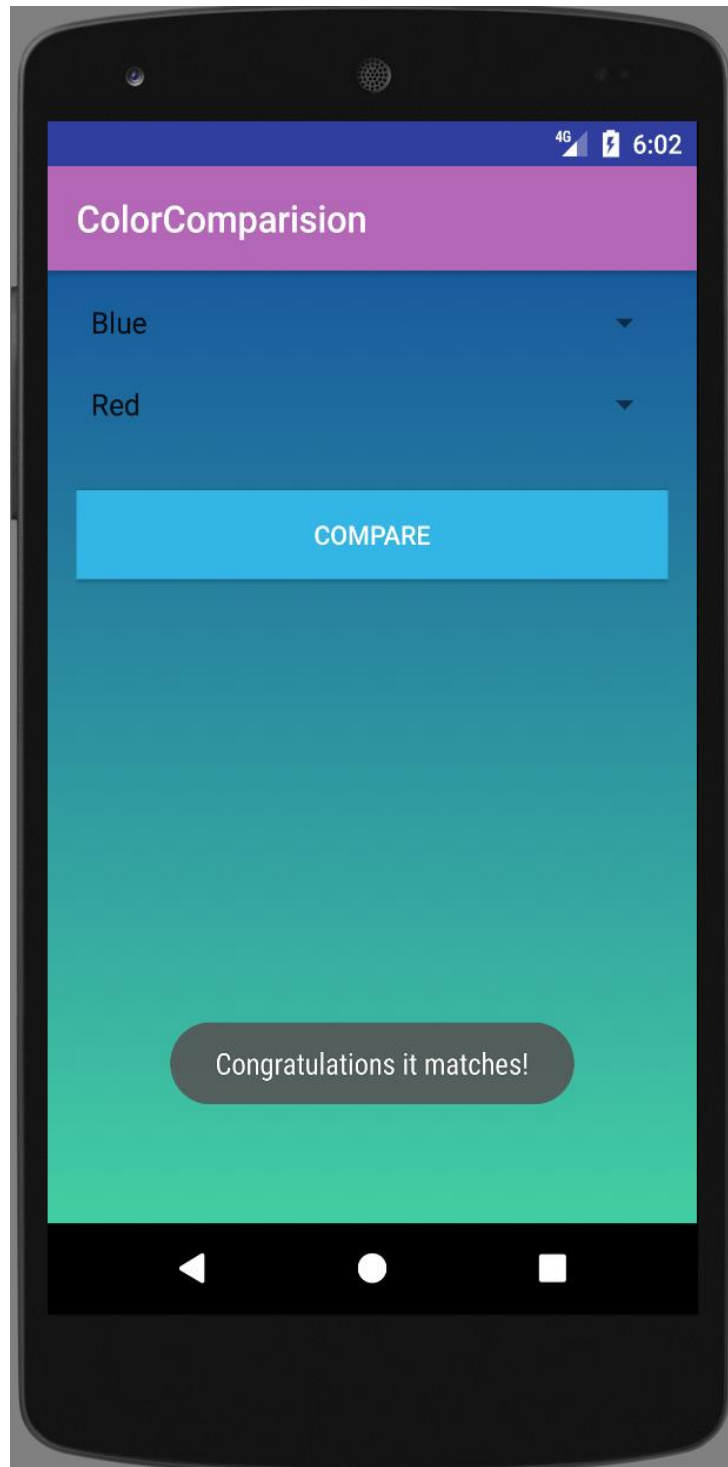
Literature Survey:

This application has not been seen before, and therefore is a first of its kind. Since it fits in the field of fashion, I intend to build onto this program since it is still in development.
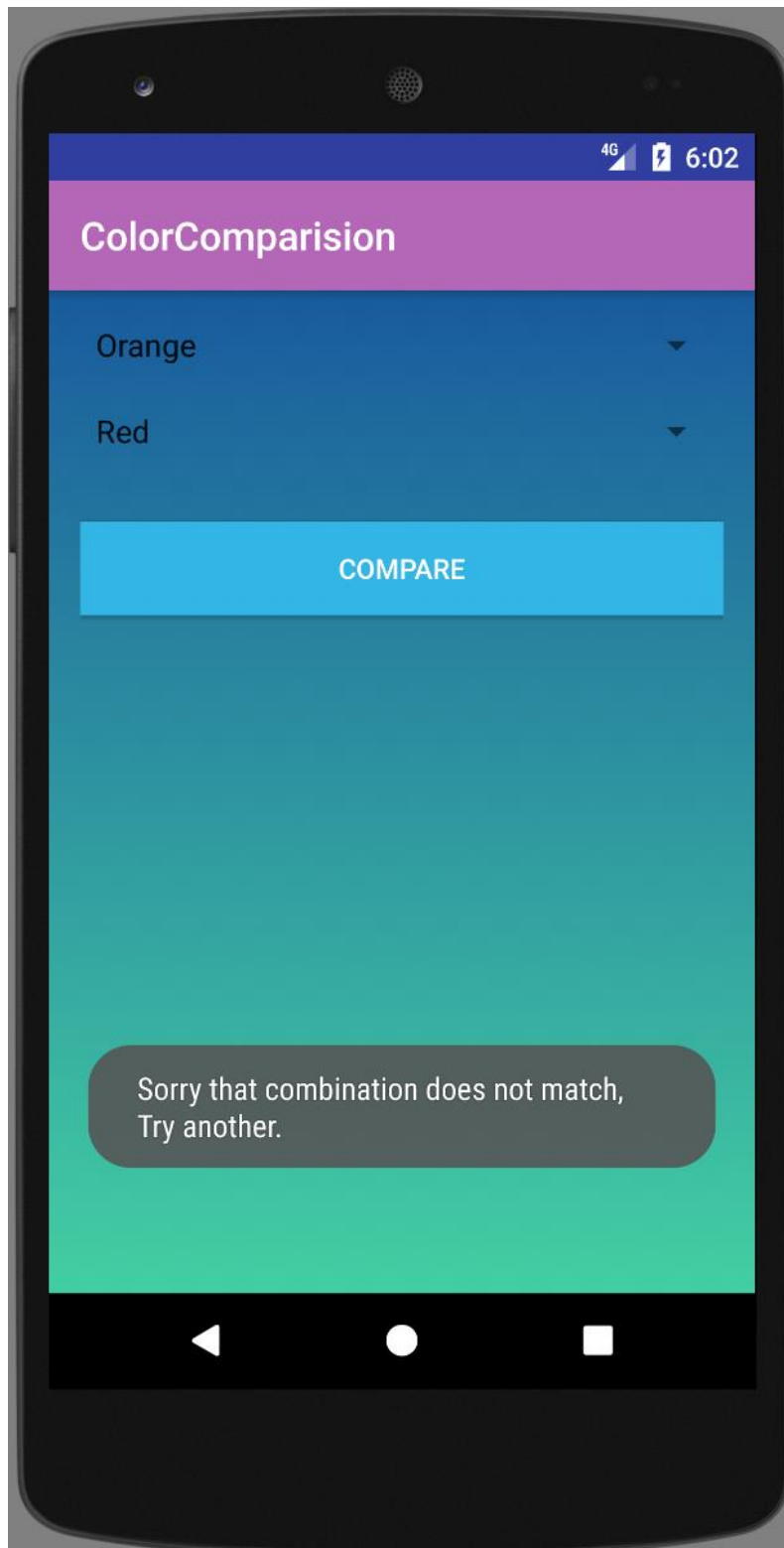
User Manual:

Using the application is very simple. The steps are the following: unlock your Android phone, open the application menu, and select ColorComparison app, select two colors of your choice, and press compare. Below are screenshot of what you will see on your mobile device.

Conclusion:

In conclusion ColorComparison is an application that allows users to input two color to test if the combination does or does not work. It was designed to be user friendly using the programming language Java, and runs on the Android OS platform.