

## **CSCI 4100 – Assignment 3 – Photos \*\*\* (Made for Android) \*\*\***

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### **Report**

#### **Functionality**

The purpose of this photo app was to use intend to call an external camera application from the app by the click of a button which then allows the user to save a photo on to the phones SD card in a specified folder with a specified file format and display all these photos in a list view sorting by date and the location of the photo.

#### **Design/Implementation**

The first required part of this application that was taught to me during the design phase was allowing the app to use and give permission to use the camera app and harness the phones hardware. This was all done in the manifest. Using an intent, an instance of the camera app could be called from the click of the button on the home screen. Using 'Bitmap' the camera app was able to translate the photo to an image view which could be used to view the photo later on.

By providing a path for a storage directory, the app is able to save photos to the SD card in a specified path of my request. This is the same for setting the image file name by providing a format for each file when it is saved on the SD card. Adding each photo to a 'ListView' easy updates of each file in the directory to a viewable list for the user and upon click could view the photo again.