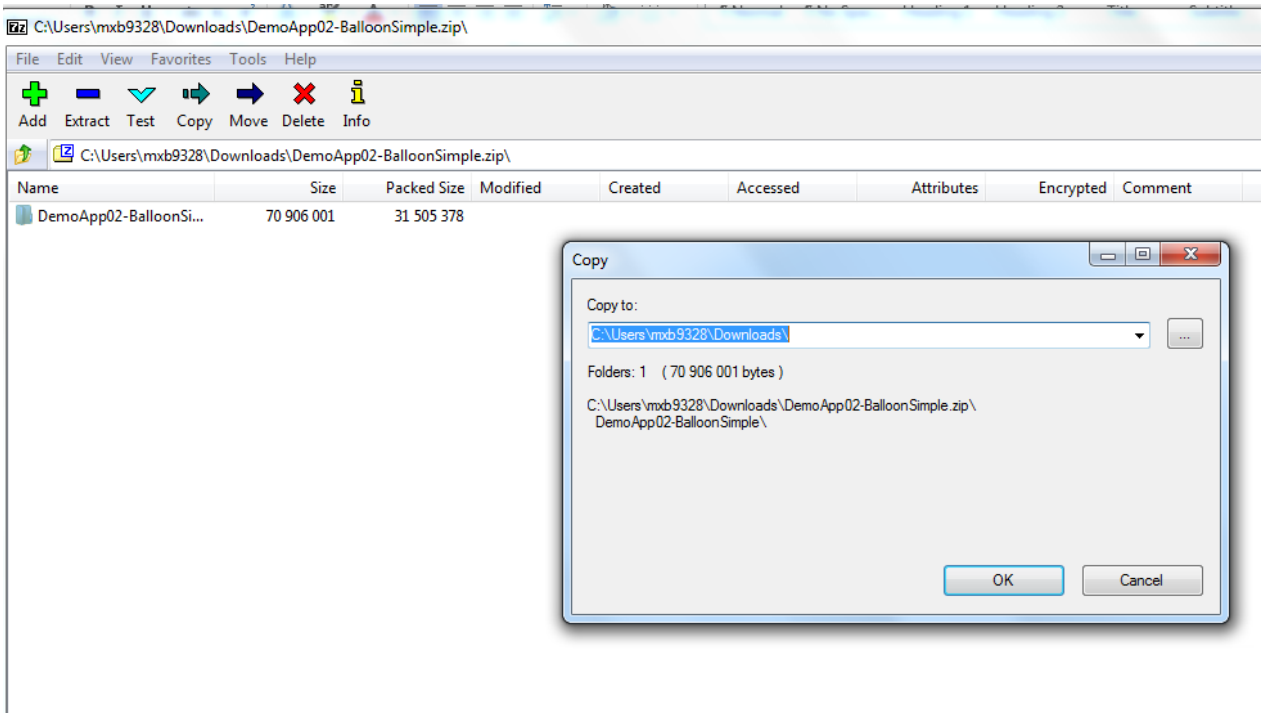
Color blind accessibility android app

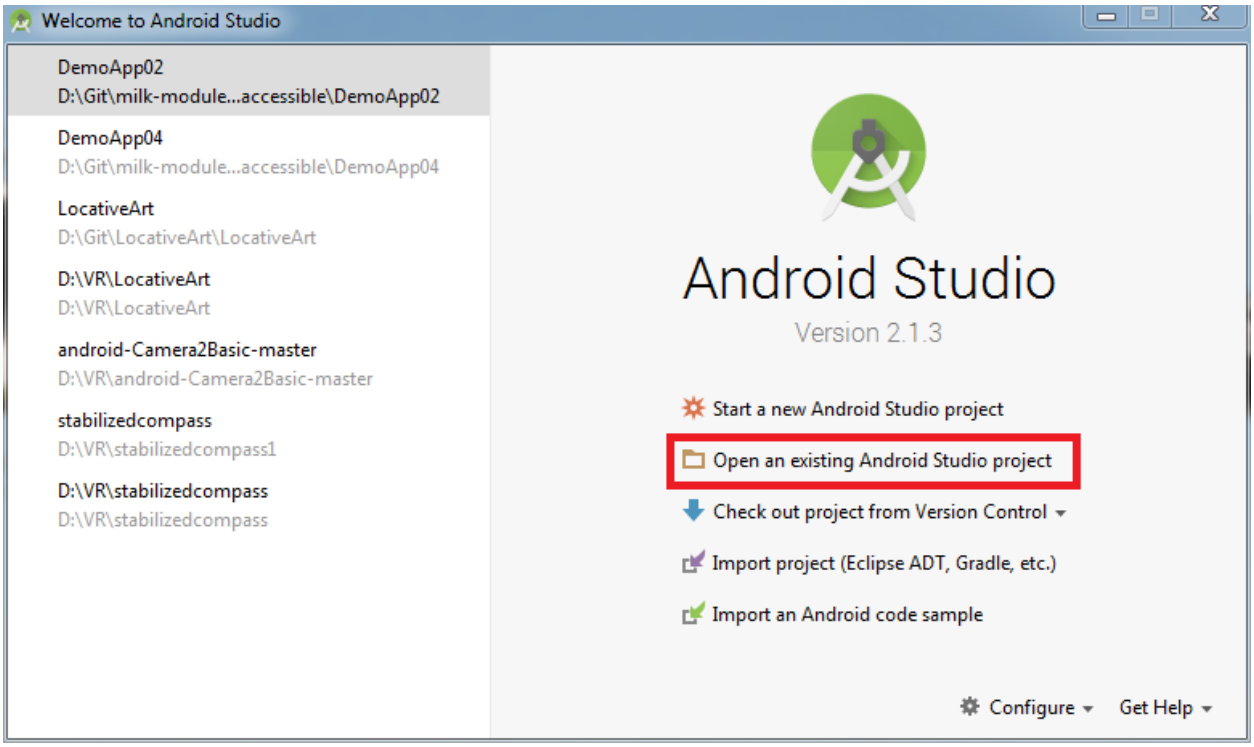
1. Install Android Studio from these instructions. (It will take a few minutes to install.)
2. Download the code from http://bit.ly/2q3pxgt.

   You can also view the code on GitHub here: https://github.com/milk-modules/Apps/tree/master/non-accessible/DemoApp02-BalloonSimple

3. Extract the zip file into a directory on the C: drive.

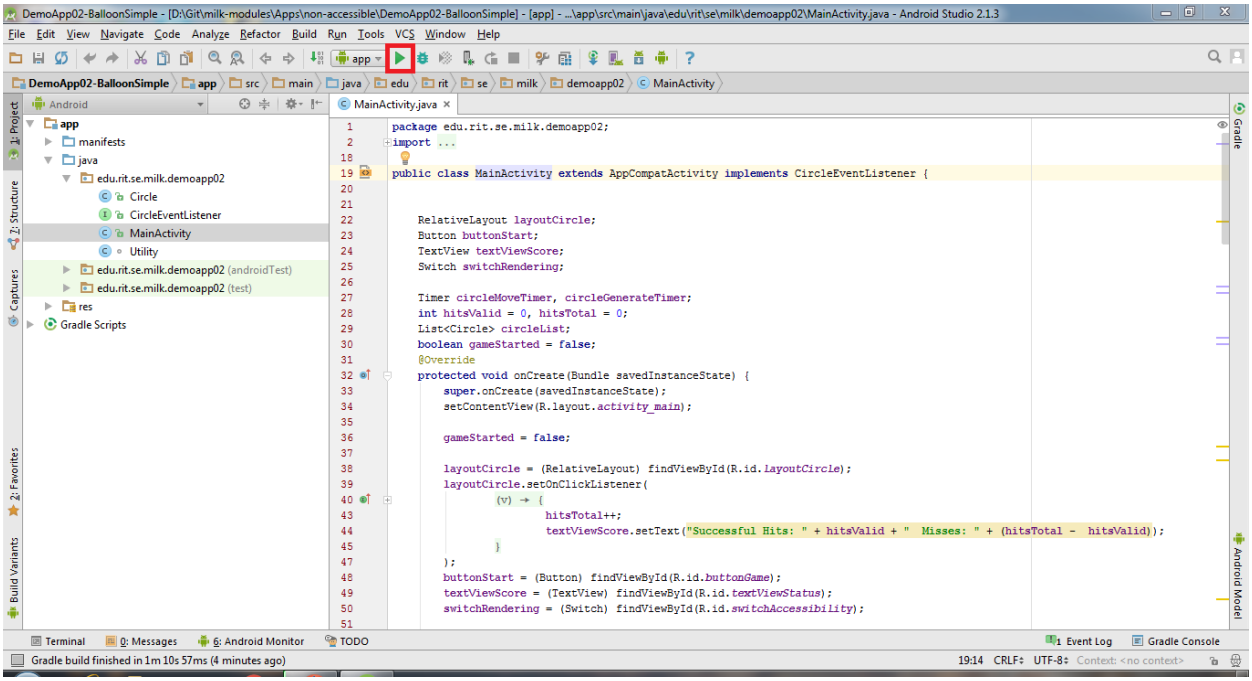


4. Import project in to Android studio
   a. Open Android studio.
   b. Import project in Android studio


Welcome to Android Studio
DemoApp02
D:\Git\milk-module...accessible\DemoApp02
DemoApp04
D:\Git\milk-module...accessible\DemoApp04
LocativeArt
D:\Git\LocativeArt\LocativeArt
D:\VR\LocativeArt
D:\VR\LocativeArt
android-Camera2Basic-master
D:\VR\android-Camera2Basic-master
stabilizedcompass
D:\VR\stabilizedcompass1
D:\VR\stabilizedcompass
D:\VR\stabilizedcompass
Android Studio
Version 2.1.3
Start a new Android Studio project
Open an existing Android Studio project
Check out project from Version Control
Import project (Eclipse ADT, Gradle, etc.)
Import an Android code sample
Configure
Get Help

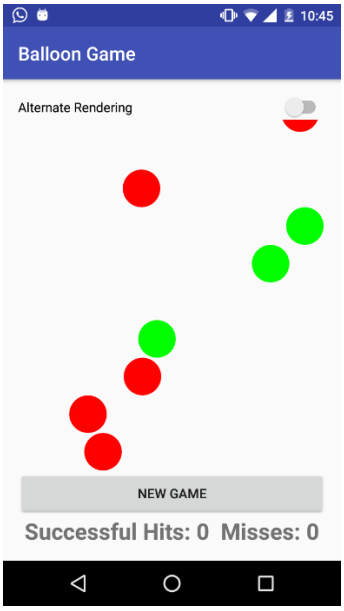
c. Open the directory you unzipped the activity into.

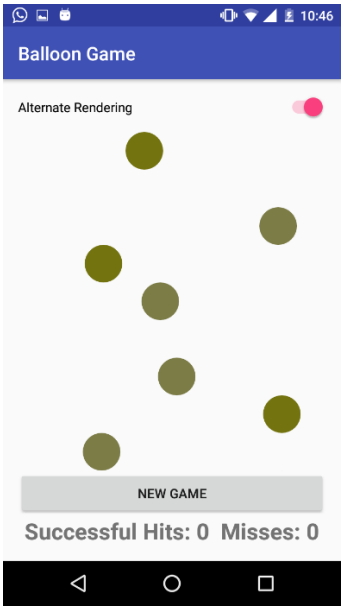
5. Run the project using the emulator.



a. Once the emulator starts up, select the “balloon game” app on the Apps screen.

6. You will be able to see an app that is non-accessible to color-blind users.



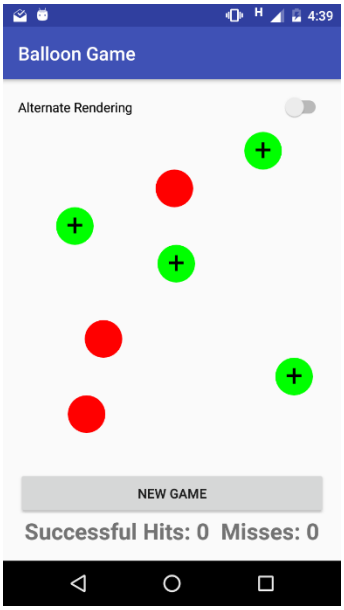


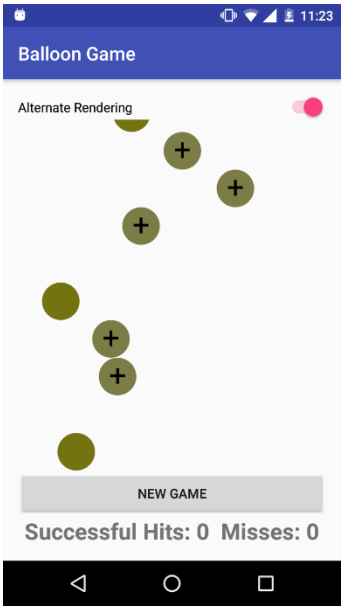
7. To fix this follow the following steps:
    a. Open Circle.java file
    b. On line 36, paste the following code

```
if(isPoppable) {
    Paint paint = new Paint();
    paint.setColor(textColor);
    paint.setTextSize(64f);
    paint.setAntiAlias(true);
    paint.setTextAlign(Paint.Align.CENTER);

    canvas.drawText("+", x, y + circleRadius / 2, paint);
}
```

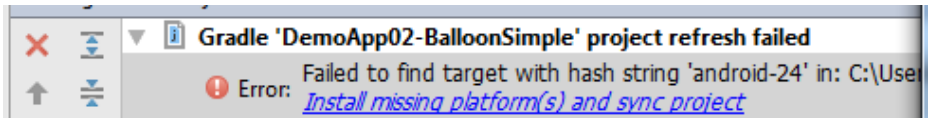
    c. Run the project again and see the difference





Troubleshooting:

When you first open the project, you may be unable to run it because of this error:



Click on the blue text and select “Accept” and then “Install” on the popup.