

CIS 3515 Assignment 5

Instructions: In this assignment you will modify your previous application by swapping out the Spinner for a GridView.

1. Create a new branch of your previous application and use it as a starting point.

If your previous application was incomplete, email the instructor about getting a working implementation to use as a starting point.

As a reminder, please perform commits relatively frequently with descriptive commit messages.

2. Place a label (TextView) at the top of your activity to display instructions and replace the current Spinner with an instance of GridView.
 - Have your TextView display instructions to the user to click one of the images below.
 - Set up your GridView to have no fewer than 3 columns
3. Provide your spinner with an instance of a custom adapter that will generate views with the following design:
 - The image of the item should be seen as the “background” of the view
 - The name of the item should be seen “superimposed” over the background image – in other words, the views generated by your custom adapter should contain the image of the item and then the name displayed above it (on the Z axis). The text should be perfectly centered in the view both horizontally and vertically. If your list of names are too long to fit neatly in the views, replace them with shorter names/descriptions.
4. When a user clicks an item in the GridView, the second activity should be launched and this new activity should display the name/description and image of the selected item.
5. Once your application has been tested, update the version number and generate a new APK
 1. Modify the file **build.gradle (Module:app)** found under **Gradle Scripts** in the project view

Under default config, change **versionCode** to **2**, and **versionName** to **1.0.1-collage**
 2. Click on **Build** and select **Generate Signed Bundle/APK**
 3. Follow the steps for creating a new APK, but when requested, locate the certificate you generated during a previous lab and use it to generate this new version of your app.

Please note: If you are unable to find your previous key store, or are unable to recall one or both passwords, then you can create a new key store and key. Keep in mind however

that had this application been previously published on an app distribution platform, you would have lost the ability to update the application currently deployed and would instead have to change the package name (your apps unique identifier), lose your current user base and start all over.

4. Locate and rename your generated APK to **app-release-1.0.1.apk**
6. Update your project on GitHub and submit it along with the signed APK file to Canvas.

Rubric

Application based on git branch of previous lab	20
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Custom adapter generates views containing image with text superimposed and centered	40