CSc 317
Intents, Images

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Announcements

- Exam 1
  - 1 week away
  - Variety of question types (coding, explanations, etc)
  - Topic list is basically slides, readings, homeworks
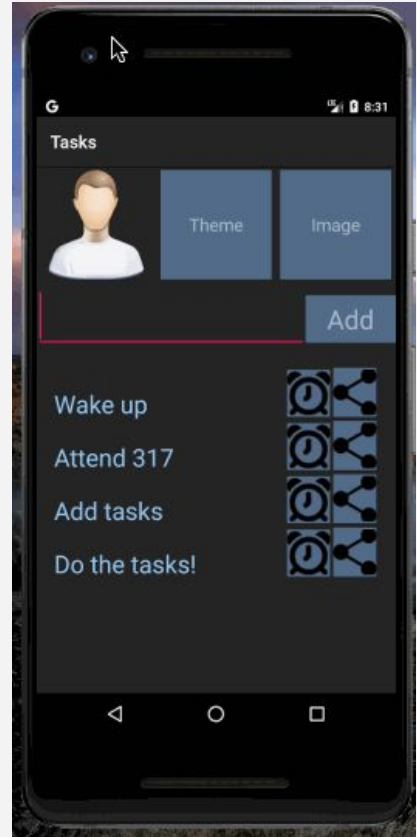- No PA or quiz due on Fri the 25th

Fixing the Camera Intent

In the manifest file:

```xml
<provider
        android:name="androidx.core.content.FileProvider"
        android:authorities="com.example.android.fileprovider"
        android:grantUriPermissions="true">
        <meta-data
            android:name="android.support.FILE_PROVIDER_PATHS"
            android:resource="@xml/file_paths"></meta-data>
    </provider>
```

In xml/file_paths.xml:

```xml
<?xml version="1.0" encoding="utf-8"?>
<paths xmlns:android="http://schemas.android.com/apk/res/android">
    <external-files-path name="my_images" path="Pictures" />
</paths>
```
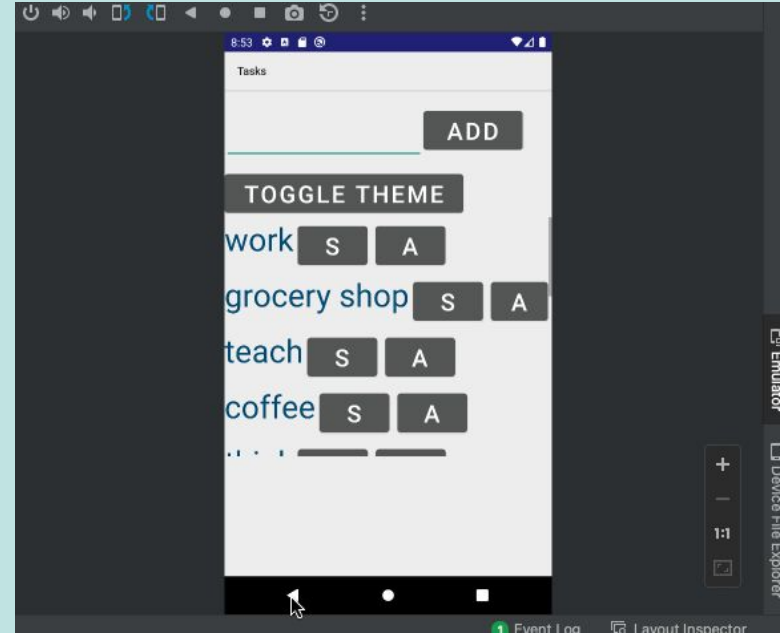
Fixing the Camera Intent

```java
File file = new File(
        getExternalFilesDir(Environment.DIRECTORY_PICTURES),
        currentPhotoPath);
Uri photoURI = FileProvider.getUriForFile(this,
        "com.example.android.fileprovider", file);
takePictureIntent.putExtra(MediaStore.EXTRA_OUTPUT, photoURI);
```

Two columns in landscape mode

Work together, do some investigating (this will be a longer activity)
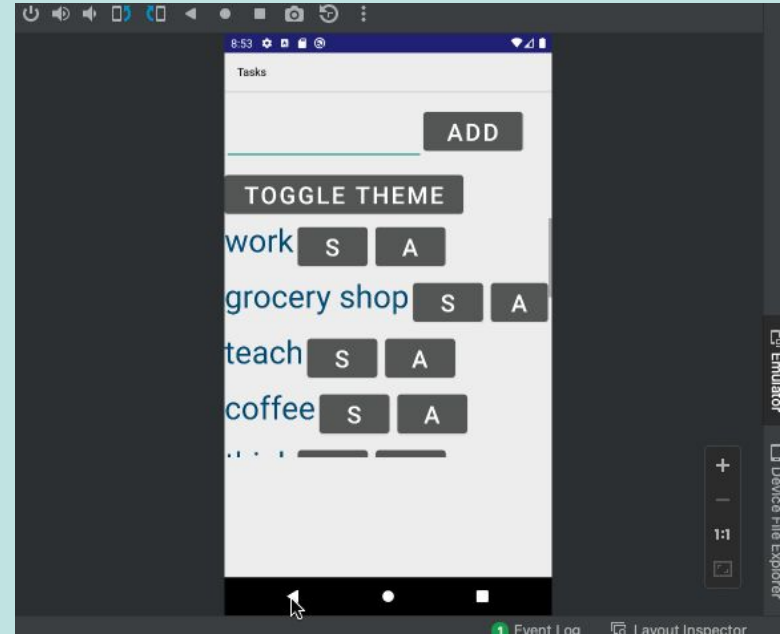
Look into:
- GridView
- onConfigurationChanged Method
- android:configChanges
  (manifest file)
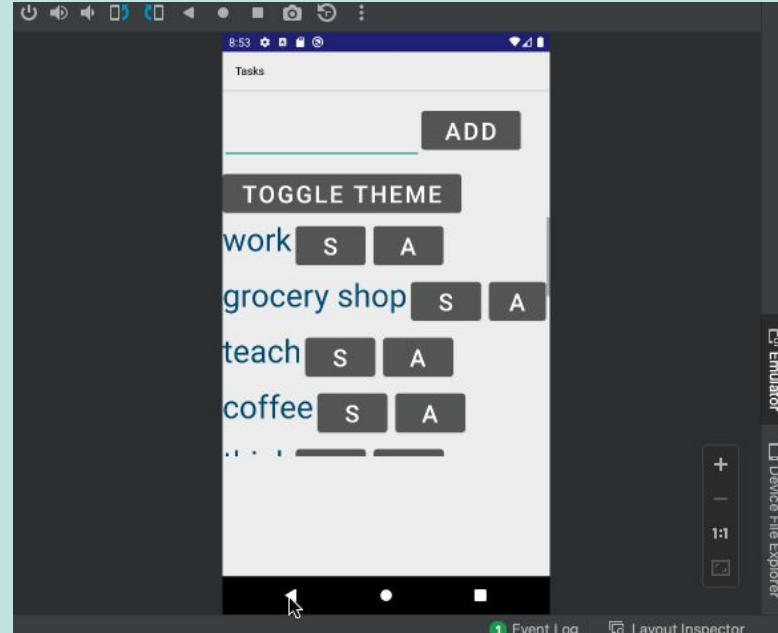
Two columns in landscape mode

Why does the listview / gridview not fit the screen space very well?

How could we fix this?

Two columns in landscape mode

Use a constraintLayout to fix this issue

Improve the Tasks app

- Round the corners of the profile image
- Remember profile image when app restarts, theme changes, etc
- Add an app title next to the profile image
- Use constraint layout instead of linear layout to better utilize the entire screen (use XML)
- Get rid of top "Tasks" bar
- Use share / alarm icons
- Improve colorscheme / theme / style

(Can work on in any order)