

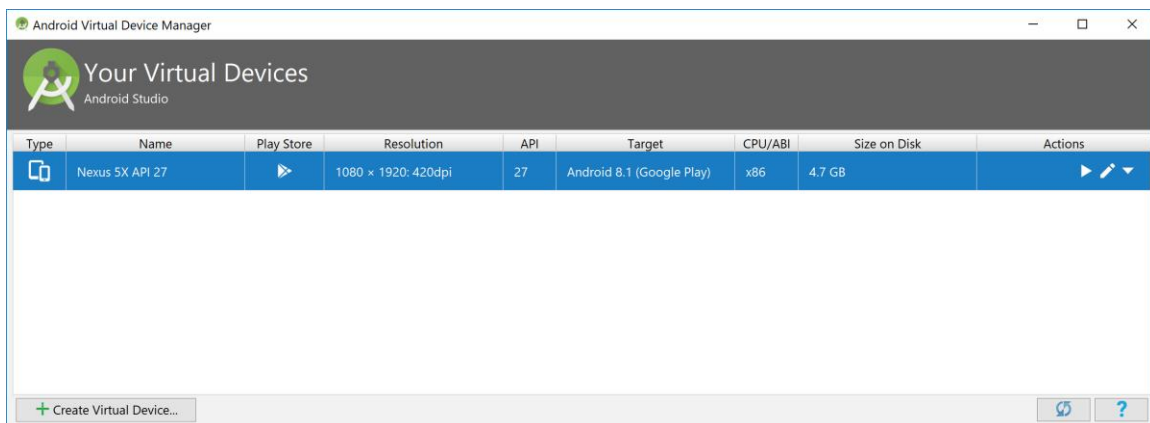
COMP-304 Mobile Apps Development

Hands-on Test Form Preview

You will be asked to write an Android Application that will have two activities.

- The **UI** includes the use of:
 1. UI elements, such as TextView, EditText, Button, RadioButton, CheckBox, ImageView, ListView, Menu, Spinner, etc.
 2. Event Handling (Handling user input)
- **Drawing** using Canvas class in second activity.
 1. Drawing text and various shapes such as lines, ovals, and rectangles based on the user selection in the first activity.
- Defining **resources**, such as strings, styles, etc., in XML.
 1. Using of *strings.xml*, *dimens.xml*, *color.xml*, *styles.xml* files.

Practice the event handling for the UI elements listed above. Practice various combinations of using the UI elements on an activity and handling the user interaction with various elements. Practice sending information to the second activity. Practice drawing simple shapes.



```
apply plugin: 'com.android.application'
```

```
android {
```

```

        compileSdkVersion 27
        defaultConfig {
            applicationId
"com.example.inika.ilianikamidtermtestfall2018"

            minSdkVersion 23
            targetSdkVersion 27
            versionCode 1
            versionName "1.0"
            testInstrumentationRunner
"android.support.test.runner.AndroidJUnitRunner"
        }
        buildTypes {
            release {
                minifyEnabled false
                proguardFiles
getDefaultProguardFile('proguard-android.txt'), 'proguard-rules.pro'
            }
        }
    }

    dependencies {
        implementation fileTree(dir: 'libs',
include: ['*.jar'])
        implementation
'com.android.support:appcompat-v7:27.1.1'
        implementation
'com.android.support.constraint:constraint-layout:1.0.2'
        testImplementation 'junit:junit:4.12'
        androidTestImplementation
'com.android.support.test:runner:1.0.1'
    }

```

```
    androidTestImplementation  
    'com.android.support.test.espresso:espresso  
-core:3.0.1'  
}
```