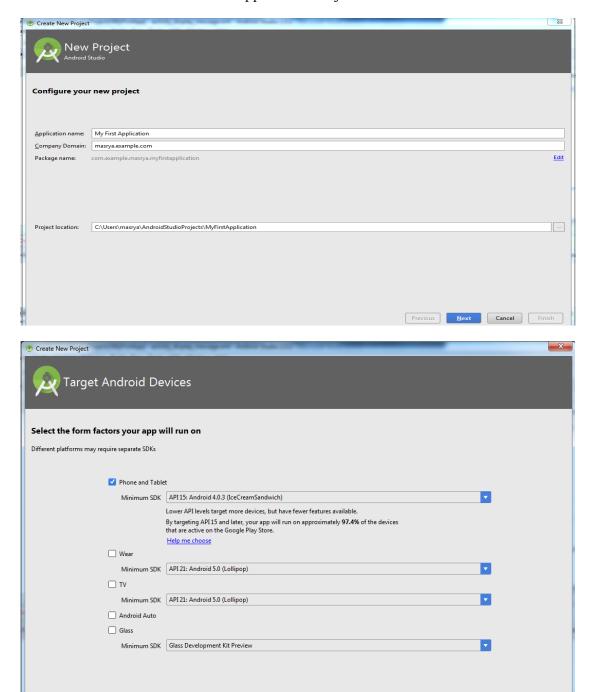
Previous Next Cancel Finish

In this lab, you will learn how to:

- I. Create a new project
- II. Run a project
- III. Create a simple UI
- IV. Starting another activity

I. Create an Android Project

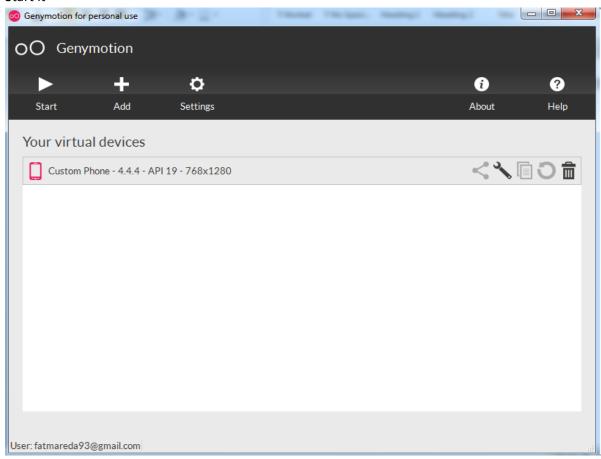
From file menu: New > Android Application Project



Leave all the details for the activity in their default state and click Finish.

II. Running on the emulator

- Go to genymotion website https://www.genymotion.com/
- Create account and download it
- Install it , and then sign in
- Create a New virtual device
- Start it



You can also run on your own android device

III. Creating a Simple UI

1. Adding a text field

 Open the activity_main.xml file from the App/scr/main/res/layout/activity_main.xml

Then add a string resource for the EditText, open App/scr/main/res/values/strings.xml

2. Adding a button

• Open the activity_main.xml file from the App/scr/main/res/layout

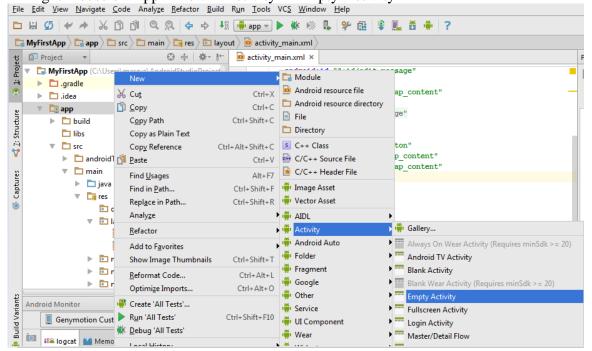
```
<Button
android:id="@+id/send_button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="@string/send_button"
/>
```

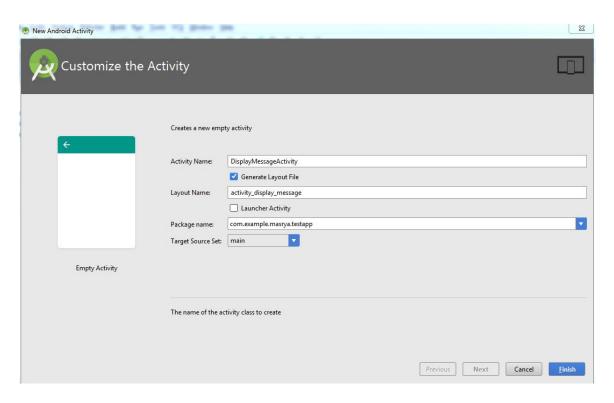
Then add a string resource for the EditText, open App/scr/main/res/values/strings.xml

IV. Starting another activity

1. Create a new activity

Right mouse on App > New > Activity > Empty Activity





2. Add a text view

 Open the activity_main.xml file from the App/scr/main/res/layout/activity_display_message.xml

```
<TextView
    android:id="@+id/display_text"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="80dp"
/>
```

Then add a string resource for the EditText, open App/scr/main/res/values/strings.xml

```
<string name="display_text"></string>
```

3. Create an Intent

 In MainActivity we will read the text and then send it to the anthor activity by click to the button

```
import android.content.Intent;
import android.widget.Button;
import android.widget.EditText;
import android.view.View;

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    sendMessage();
}
```

4. Receive the Intent

```
import android.content.Intent;
import android.widget.TextView;

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_display_message);
    displayMessage();

}

public void displayMessage() {
    TextView display_text= (TextView) findViewById(R.id.display_text);
    Intent intent = getIntent();
    String message = intent.getStringExtra("Message");
    display_text.setText(message);
}
```

• Run the application.

