Java

PROJECT 5 BRIAN NANNAYAKKARA

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Project

The project is about making an android application on android studio software using java. It's all about getting to know about java development.

Java

Java syntax was bit hard to get used to but I got used to it after few attempts.

Java functions <u>FirstApp</u>, <u>WebBrowser</u>

XML code FirstApp, WebBrowser

Application screenshots

The application screenshots will show an overview of the app and how to use it.

<u>FirstAppScreenshots</u>

WebBrowserScreenshots

Step by step explanation of the app 1

The first app is a small calculator it, the user can add 2 numbers together and see the result.

Step1- Add the first number.

Step2- Add the second number.

Step3- Click the add button.

<u>Step-4</u>-Number will be added and will show in the result area.

Screenshots

The Screenshots and the Java codes are in the project folder and on the <u>hyperlinks</u>.

Appendix

Hyperlinks

XML code1

```
android:layout_marginRight="8dp"
android:text="@string/add"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/NumText2" />

<TextView
    android:id="@+id/textView"
    android:layout_width="113dp"
    android:layout_height="37dp"
    android:layout_marginStart="8dp"
    android:layout_marginIteft="8dp"
    android:layout_marginTop="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginEnd="8dp"
    android:layout_marginBottom="8dp"
    android:text="@string/result"
    android:textSize="30sp"
    android:textSize="30sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/buttonAdd" />

</android.support.constraintT.ConstraintLayout>
```

Java functions1

```
package com.example.myfirstapp;
import android.support.v7.app.AppCompatActivity;
import android.sub.Nundle;
import android.wiw.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import org.w3c.dom.Text;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

    Button buttonAdd = (Button) findViewById(R.id.buttonAdd);
    buttonAdd.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            EditText NumText = (EditText) findViewById(R.id.NumText);
            EditText NumText2 = (EditText) findViewById(R.id.NumText2);
            TextView ResultText = (TextView) findViewById(R.id.ResultText);

        int num1 = Integer.parseInt((NumText.getText().toString()));
        int result =num1 + num2;
            ResultText.setText(result +"" );

    }
}
}
}
```

```
<?xml version="1.0" encoding="utf-8"?>
</inearLayout xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tapp="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match parent"
android:layout_height="match parent"
android:orientation="vertical"
tools:context=".MainActivity">
</inearLayout
    android:layout_width="match parent"
    android:layout_height="30dp"
    android:id="@+id/myImageView"
    android:layout_height="match_parent"
    android:layout_height="match_parent"
    android:layout_height="match_parent"
    android:layout_weight="0.9"
    android:src="@nipmap/ic launcher"
    android:contentDescription="@string/todo" />

    android:layout_width="match_parent"
    android:layout_width="match_parent"
    android:layout_width="match_parent"
    android:layout_width="match_parent"
    android:layout_width="match_parent"
    android:layout_weight="0.1" />
```

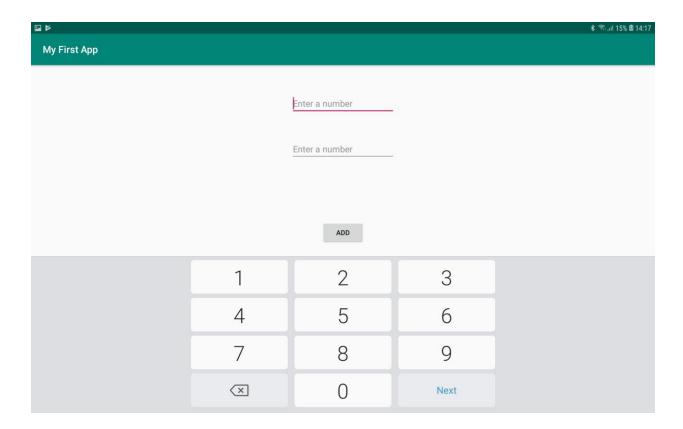
Java functions2

```
protected void onCreate(Bundle savedInstanceState) {
        public void onReceivedTitle(WebView view, String title) {
```

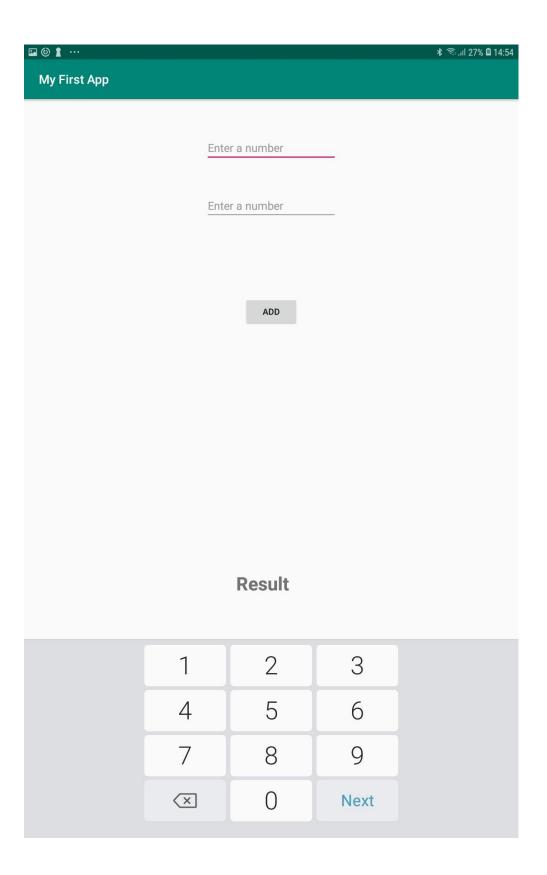
```
onBackPressed();
            onForwardPressed();
public void onBackPressed() {
```

First App Screenshots

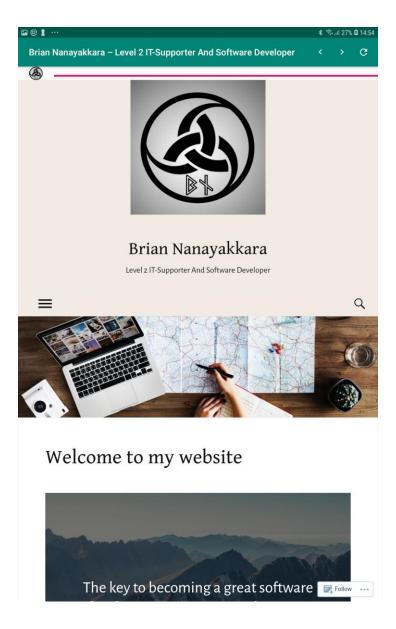
LandScabeView



PortraitView

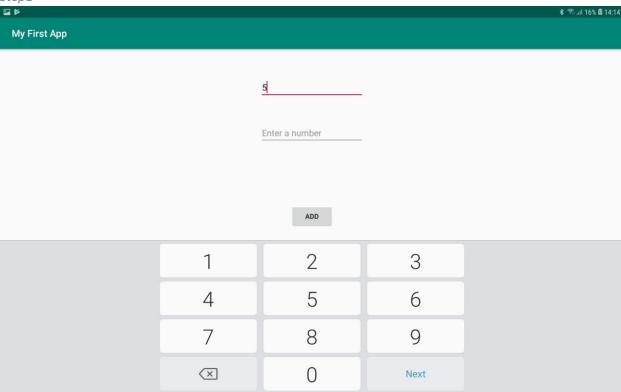


Web browser

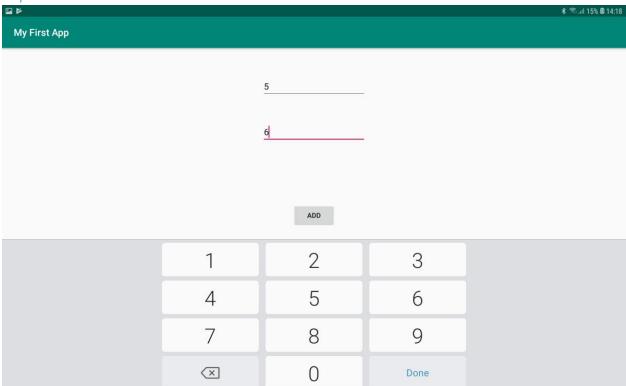


Application

Step1



Step2



Step3

	🕏 ா 16% 🛭 14:14
5	
6	
ADD	
11	
	56

Time schedule

21-03-2019: Checked out all the source videos and read about creating an android app.

22-03-2019: Installed SDK.

25-03-2019: Started programing the on java.

26-03-2019: There were problems with running the program in android studio so I searched up how to

solve it.

27-03-2019: Fixed all the errors

28-03-2019: Started creating the second app. (Web Browser)

29-03-2019: Doing the final touches on the application and making the report.

Conclusion

This project is about leaning to build an android app using java and android studio.

So the main goal in this project is creating and leaning about back end development.

Sources

Learn java for Beginners https://beginnersbook.com/java-tutorial-for-beginners-with-examples/

Learn about android studio: https://developer.android.com/guide