



MID-TERM ASSIGNMENT REPORT

CBOD4103 Mobile Programming I DECEMBER 2024 SEMESTER

HUTECH

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Question 1: Fitness App

Copy of code:

- Activity main.xml:

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">

    </mageView
        android:id="@+id/mainImage"
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:src="@drawable/fitness_image" />

    </material>
    </material>
```

- MainActivity.java:

```
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.Toast;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
import androidx.appcompat.widget.Toolbar;

public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

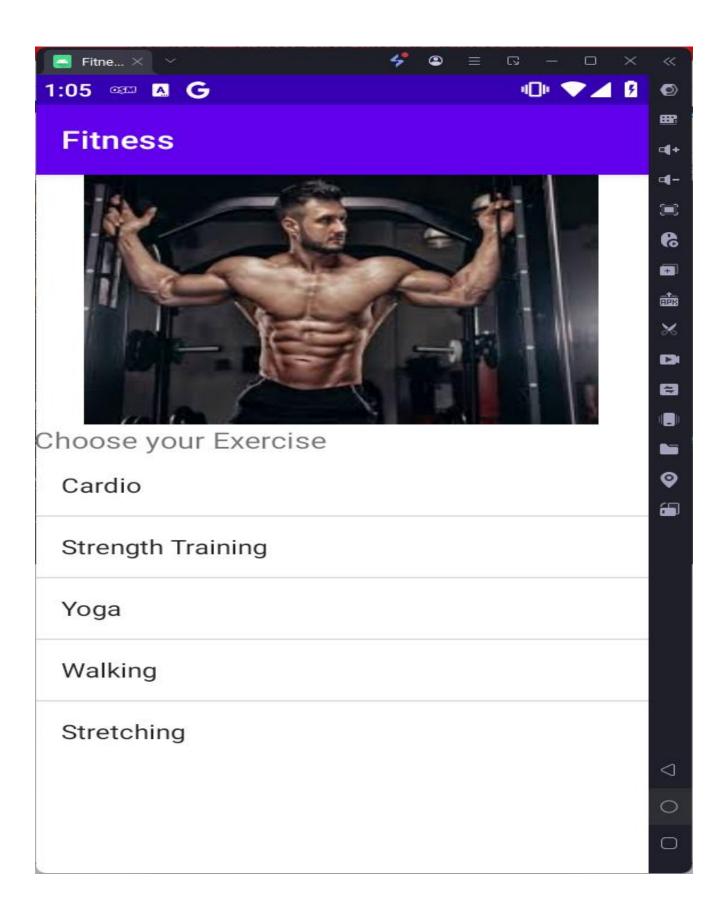
```
String[] exercises = {"Cardio", "Strength Training", "Yoga",
"Walking", "Stretching"};
    ListView exerciseList = findViewById(R.id.exerciseList);

ArrayAdapter<String> adapter = new ArrayAdapter<>(this,
android.R.layout.simple_list_item_1, exercises);
    exerciseList.setAdapter(adapter);

    exerciseList.setOnItemClickListener(new
AdapterView.OnItemClickListener() {
        @Override
            public void onItemClick(AdapterView<?> parent, View view, int
position, long id) {
            String exercise = exercises[position];
            Toast.makeText(MainActivity.this, exercise,
Toast.LENGTH_SHORT).show();
        }
    });
}
```

- AndroidManifest.xml:

App interface:



Question 2: Finance App

Copy of code:

- AndroidManifest.xml:

- MainActivity.java:

```
package com.example.financemanagerapp;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {
    private EditText edtName, edtSalary, edtNeeds, edtWants, edtSavings;
    private Button btnCalculate;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
```

```
setContentView(R.layout.activity main);
        edtName = findViewById(R.id.edtName);
        edtNeeds = findViewById(R.id.edtNeeds);
        edtWants = findViewById(R.id.edtWants);
        edtSavings = findViewById(R.id.edtSavings);
        btnCalculate = findViewById(R.id.btnCalculate);
        btnCalculate.setOnClickListener(new View.OnClickListener() {
                calculateBudget();
        String name = edtName.getText().toString();
        double salary = Double.parseDouble(edtSalary.getText().toString());
Double.parseDouble(edtNeeds.getText().toString());
        double wantsPercent =
Double.parseDouble(edtWants.getText().toString());
        double savingsPercent =
Double.parseDouble(edtSavings.getText().toString());
        startActivity(intent);
```

- activity_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
   xmlns:android="http://schemas.android.com/apk/res/android"
   android:layout_width="match_parent"
   android:layout_height="match_parent"
   android:orientation="vertical"
   android:padding="16dp">

   <EditText
        android:id="@+id/edtName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"</pre>
```

```
<EditText
       android:layout width="match parent"
       android:layout height="wrap content"
       android:inputType="numberDecimal"/>
       android:layout width="match parent"
       android:layout height="wrap content"
       android:inputType="numberDecimal"/>
   <EditText
       android:id="@+id/edtWants"
       android:layout width="match parent"
       android:layout height="wrap content"
       android:inputType="numberDecimal"/>
   <EditText
       android:id="@+id/edtSavings"
       android:layout width="match parent"
       android:layout height="wrap content"
       android:inputType="numberDecimal"/>
       android:layout width="match parent"
       android:layout height="wrap content"
</LinearLayout>
```

- ResultActivity.java

```
package com.example.financemanagerapp;
import android.os.Bundle;
import android.widget.TextView;
import androidx.appcompat.app.AppCompatActivity;

public class ResultActivity extends AppCompatActivity {
    private TextView txtResult;

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

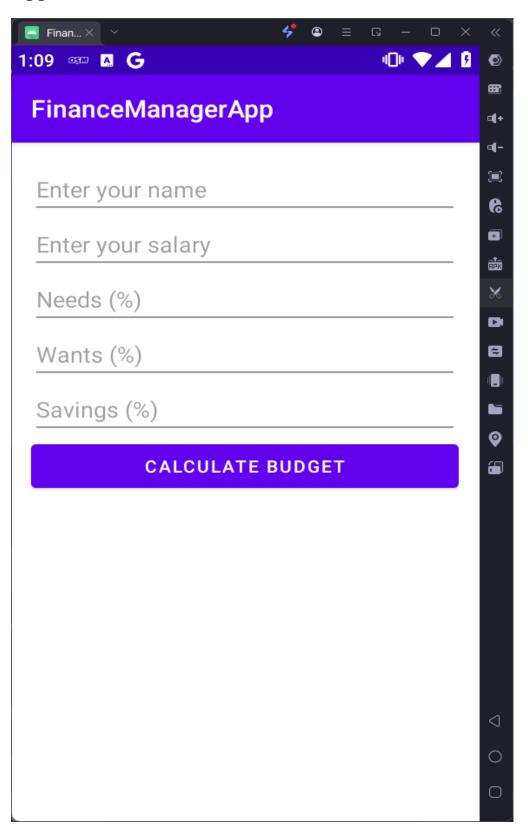
        txtResult = findViewById(R.id.txtResult);
```

- activity_result.xml:

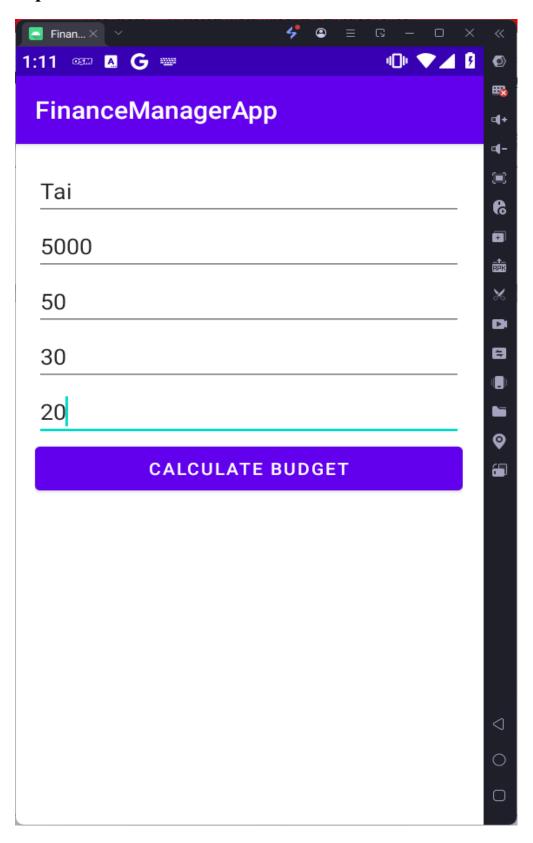
```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="16dp">

    <TextView
        android:id="@+id/txtResult"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textSize="18sp"
        android:textColor="@android:color/black"/>
</LinearLayout>
```

App interface:



Input:



Output:

