

QUIZZA – AN ANDROID BASED QUIZ APP

1. ABOUT APP:

Client requires a mobile application for students to conduct multiple choice quiz on interested domains such as Science & Technology, Sports, Entertainment.

The app should allow the student to enter his/her name and the selection of interested domain on which he/she want to take quiz for minimum of 10 questions. Design various interfaces which includes different view to fulfill the client requirements.

This app navigate questions, evaluate answers and display the grading of the student after the submission of the quiz.

2. APP FEATURES:

- ✓ User can choose his/her own interested available domain to play.
- ✓ Quiz questions are shuffled and dynamically generated from SQLite Database.
- ✓ Quiz can be terminated at any instance by the user using Quit option in submenu.
- ✓ Grading of student's performance is given in rating scheme of 5 stars.

3. APP MODULES:

✓ *activity_main.xml:*

This is the first layout of the app. The user has to enter his/her name on the textbox and has to choose an interested domain from the drop down list of choose category. After entering the valid input user has to click on the START QUIZ button to navigate to the next activity.

✓ *activity_question.xml:*

In this activity, multiple choice questions each with three options are displayed one by one to the user. The user has to click NEXT button for each question to get the next question. For the tenth (i.e., last) question there will be a SUBMIT button given to for the user to click and end the quiz. This button navigates to the results of the quiz.

✓ *activity_result.xml:*

This is the activity to display the result or performance of the user in the quiz. It displays the grading in terms of score and as well as the rating out of five stars. Score will be the number of correctly attempted questions.

4. APP CODE:

4.1. *activity_main.xml:*

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".MainActivity">
<ScrollView
    android:layout_width="match_parent"
    android:layout_height="match_parent">
<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Enter your Name:"
        android:textSize="25sp"
        android:layout_marginTop="10sp"
        android:textStyle="italic"
        android:textColor="#000066"/>
    <EditText
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:textSize="20sp"
        android:singleLine="true"
        android:id="@+id/sname"
    />
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Choose your category:"
        android:textSize="25sp"
```

```

        android:layout_marginTop="10sp"
        android:textStyle="italic"
        android:textColor="#000066"/>
    <Spinner
        android:id="@+id/spinner"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20sp"
        android:layout_marginBottom="50sp"
    />
    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Start Quiz"
        android:background="#006600"
        android:textColor="#ffffff"
        android:gravity="center"
        android:layout_gravity="center"
        android:onClick="onClick"/>
</LinearLayout>
</ScrollView>
</android.support.constraint.ConstraintLayout>

```

4.2. MainActivity.java:

```

package com.example.lenovo.quizza;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.EditText;
import android.widget.Spinner;

public class MainActivity extends AppCompatActivity {
    public Spinner spinner;
    int number=0;
    public static final String[] paths = {"Science & Technology", "Sports",
"Entertainment"};

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        spinner = (Spinner)findViewById(R.id.spinner);
    }
}

```

```

        ArrayAdapter<String> adapter = new
        ArrayAdapter<String>(MainActivity.this,android.R.layout.simple_spinner_item_paths);

        adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spinner.setAdapter(adapter);
        spinner.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {

            public void onItemSelected(AdapterView<?> parentView,
                                   View selectedItemView, int position, long id) {
                // Object item = parentView.getItemAtPosition(position);

                number = spinner.getSelectedItemPosition();

            }
            public void onNothingSelected(AdapterView<?> arg0) { // do nothing
            }
        });
    }
    public void onClick(View v)
    {
        EditText userName = (EditText) findViewById(R.id.sname);
        if( userName.getText().toString().length() == 0 )
            userName.setError( "Name should be entered!" );
        else {
            Intent i;
            switch (number){
                case 0:
                    i=new Intent(MainActivity.this, QuestionActivity.class);
                    i.putExtra("name",userName.getText().toString());
                    startActivity(i);
                    break;
                case 1:
                    i=new Intent(MainActivity.this, SQuestionActivity.class);
                    i.putExtra("name",userName.getText().toString());
                    startActivity(i);
                    break;
                case 2:
                    i=new Intent(MainActivity.this, EQuestionActivity.class);
                    i.putExtra("name",userName.getText().toString());
                    startActivity(i);
                    break;
            }
        }
    }
}

```

4.3. *activity_question.xml*:

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.design.widget.CoordinatorLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="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:fitsSystemWindows="true"
tools:context=".QuestionActivity">

    <android.support.design.widget.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/AppTheme.AppBarOverlay">

        <android.support.v7.widget.Toolbar
            android:id="@+id/toolbar"
            android:layout_width="match_parent"
            android:layout_height="?attr/actionBarSize"
            android:background="?attr/colorPrimary"
            app:popupTheme="@style/AppTheme.PopupOverlay" />

    </android.support.design.widget.AppBarLayout>

    <include layout="@layout/content_question" />

</android.support.design.widget.CoordinatorLayout>
```

4.4. *content_question.xml*:

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="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:paddingBottom="@dimen/activity_vertical_margin"
android:paddingLeft="@dimen/activity_horizontal_margin"
android:paddingRight="@dimen/activity_horizontal_margin"
android:paddingTop="@dimen/activity_vertical_margin"
app:layout_behavior="@string/appbar_scrolling_view_behavior"
tools:context=".QuestionActivity"
tools:showIn="@layout/activity_question">
```

```

<TextView
    android:id="@+id/question"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Large Text"
    android:textAppearance="?android:attr/textAppearanceLarge" />

<RadioGroup
    android:id="@+id/radioGroup1"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_below="@+id/question">

    <RadioButton
        android:id="@+id/radio0"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:checked="true"
        android:text="Radio Button"/>

    <RadioButton
        android:id="@+id/radio1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Radio Button"/>

    <RadioButton
        android:id="@+id/radio2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Radio Button"/>

</RadioGroup>
<Button
    android:id="@+id/button1"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="@string/str_next"
    android:background="#006600"
    android:textColor="#ffffff"
    android:layout_alignParentBottom="true"
    android:onClick="btClick"/>

</RelativeLayout>

```

4.5. *QuestionActivity.java*:

```
package com.example.lenovo.quizza;

import android.content.Intent;
import android.graphics.Color;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.Toolbar;
import android.util.Log;
import android.view.View;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.TextView;
import java.util.Collections;
import java.util.List;

public class QuestionActivity extends AppCompatActivity {

    List<Question> questionList;
    int score = 0;
    int quid = 0;
    Intent intent;
    String sname;
    Question currentQuestion;

    TextView txtQuestion;
    RadioButton rda,rdb,rdc;
    Button butNext;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_question);
        Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);
        sname=getIntent().getStringExtra("name");

        DbHelper dbHelper = new DbHelper(this);
        questionList = dbHelper.getAllQuestions();
        Collections.shuffle(questionList);
        currentQuestion = questionList.get(quid);

        txtQuestion = (TextView)findViewById(R.id.question);
```

```

        rda = (RadioButton)findViewById(R.id.radio0);
        rdb = (RadioButton)findViewById(R.id.radio1);
        rdc = (RadioButton)findViewById(R.id.radio2);
        butNext = (Button)findViewById(R.id.button1);
        setQuestionView();

    }

    private void setQuestionView(){
        txtQuestion.setText(currentQuestion.getQuestion());
        rda.setText(currentQuestion.getOptA());
        rdb.setText(currentQuestion.getOptB());
        rdc.setText(currentQuestion.getOptC());
        quid++;
    }

    public void btClick(View view){
        RadioGroup grp = (RadioGroup)findViewById(R.id.radioGroup1);
        RadioButton answer =
(RadioButton)findViewById(grp.getCheckedRadioButtonId());
        if(currentQuestion.getAnswer().equals(answer.getText())){
            score++;
            Log.d("Score", "Your score: "+score);
        }
        if(quid==9){
            butNext.setText("SUBMIT");
            butNext.setBackgroundColor(Color.parseColor("#000066"));
        }
        if(quid<10 ){
            currentQuestion = questionList.get(quid);
            setQuestionView();
        }else{
            intent = new Intent(QuestionActivity.this, ResultActivity.class);
            Bundle b = new Bundle();
            b.putInt("score",score);
            intent.putExtras(b);
            intent.putExtra("name",sname);
            startActivity(intent);
            finish();
        }

    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {

```



```

        // Inflate the menu; this adds items to the action bar if it is present.
        getMenuInflater().inflate(R.menu.menu_main, menu);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        // Handle action bar item clicks here. The action bar will
        // automatically handle clicks on the Home/Up button, so long
        // as you specify a parent activity in AndroidManifest.xml.
        int id = item.getItemId();

        //noinspection SimplifiableIfStatement
        if (id == R.id.action_quit) {
            intent = new Intent(QuestionActivity.this, ResultActivity.class);
            Bundle b = new Bundle();
            b.putInt("score", score);
            intent.putExtras(b);
            intent.putExtra("name", sname);
            startActivity(intent);
            finish();
        }

        return super.onOptionsItemSelected(item);
    }
}

```

4.6. *activity_squestion.xml*:

```

<?xml version="1.0" encoding="utf-8"?>
<android.support.design.widget.CoordinatorLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="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:fitsSystemWindows="true"
    tools:context=".SQuestionActivity">

    <android.support.design.widget.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/AppTheme.AppBarOverlay">

        <android.support.v7.widget.Toolbar

```

```

        android:id="@+id/toolbar"
        android:layout_width="match_parent"
        android:layout_height="?attr/actionBarSize"
        android:background="?attr/colorPrimary"
        app:popupTheme="@style/AppTheme.PopupOverlay" />

```

```

</android.support.design.widget.AppBarLayout>

```

```

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="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:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    app:layout_behavior="@string/appbar_scrolling_view_behavior"
    tools:context=".SQuestionActivity">

```

```

    <TextView
        android:id="@+id/question"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Large Text"
        android:textAppearance="?android:attr/textAppearanceLarge" />

```

```

    <RadioGroup
        android:id="@+id/radioGroup1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/question">

```

```

        <RadioButton
            android:id="@+id/radio0"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:checked="true"
            android:text="Radio Button"/>

```

```

        <RadioButton
            android:id="@+id/radio1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Radio Button"/>

```

```

        <RadioButton
            android:id="@+id/radio2"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Radio Button"/>

    </RadioGroup>
    <Button
        android:id="@+id/button1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="@string/str_next"
        android:background="#006600"
        android:textColor="#ffffff"
        android:layout_alignParentBottom="true"
        android:onClick="btClick"/>

</RelativeLayout>

</android.support.design.widget.CoordinatorLayout>

```

4.7. *SQuestionActivity.java:*

```

package com.example.lenovo.quizza;

import android.content.Intent;
import android.graphics.Color;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.Toolbar;
import android.util.Log;
import android.view.View;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.TextView;
import java.util.Collections;
import java.util.List;

public class SQuestionActivity extends AppCompatActivity {

    List<Question> questionList;
    int score = 0;

```

```

int quid = 0;
Question currentQuestion;
Intent intent;
String sname;

TextView txtQuestion;
RadioButton rda,rdb,rdc;
Button butNext;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_question);
    Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
    setSupportActionBar(toolbar);
    sname=getIntent().getStringExtra("name");

    DbHelper dbHelper = new DbHelper(this);
    squestionList = dbHelper.getAllQuestions();
    Collections.shuffle(squestionList);
    currentQuestion = squestionList.get(quid);

    txtQuestion = (TextView)findViewById(R.id.question);
    rda = (RadioButton)findViewById(R.id.radio0);
    rdb = (RadioButton)findViewById(R.id.radio1);
    rdc = (RadioButton)findViewById(R.id.radio2);
    butNext = (Button)findViewById(R.id.button1);
    setQuestionView();

}

private void setQuestionView(){
    txtQuestion.setText(currentQuestion.getQuestion());
    rda.setText(currentQuestion.getOptA());
    rdb.setText(currentQuestion.getOptB());
    rdc.setText(currentQuestion.getOptC());
    quid++;
}

public void btClick(View view){
    RadioGroup grp = (RadioGroup)findViewById(R.id.radioGroup1);
    RadioButton answer =
(RadioButton)findViewById(grp.getCheckedRadioButtonId());
    if(currentQuestion.getAnswer().equals(answer.getText())){
        score++;
        Log.d("Score", "Your score: "+score);
    }
}

```

```

    }
    if(quiz==9){
        btnNext.setText("SUBMIT");
        btnNext.setBackgroundColor(Color.parseColor("#000066"));
    }
    if(quiz<10 ){
        currentQuestion = questionList.get(quiz);
        setQuestionView();
    }else{
        intent = new Intent(SQuestionActivity.this, ResultActivity.class);
        Bundle b = new Bundle();
        b.putInt("score",score);
        intent.putExtras(b);
        intent.putExtra("name",sname);
        startActivity(intent);
        finish();
    }
}

}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.menu_main, menu);
    return true;
}

@Override
public boolean onOptionsItemSelected(MenuItem item) {
    // Handle action bar item clicks here. The action bar will
    // automatically handle clicks on the Home/Up button, so long
    // as you specify a parent activity in AndroidManifest.xml.
    int id = item.getItemId();

    //noinspection SimplifiableIfStatement
    if (id == R.id.action_quit) {
        intent = new Intent(SQuestionActivity.this, ResultActivity.class);
        Bundle b = new Bundle();
        b.putInt("score",score);
        intent.putExtras(b);
        intent.putExtra("name",sname);
        startActivity(intent);
        finish();
    }
}

```

```

        return super.onOptionsItemSelected(item);
    }
}

```

4.8. *activity_equestion.xml:*

```

<?xml version="1.0" encoding="utf-8"?>
<android.support.design.widget.CoordinatorLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="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:fitsSystemWindows="true"
    tools:context=".EQuestionActivity">

    <android.support.design.widget.AppBarLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:theme="@style/AppTheme.AppBarOverlay">

        <android.support.v7.widget.Toolbar
            android:id="@+id/toolbar"
            android:layout_width="match_parent"
            android:layout_height="?attr/actionBarSize"
            android:background="?attr/colorPrimary"
            app:popupTheme="@style/AppTheme.PopupOverlay" />

    </android.support.design.widget.AppBarLayout>

    <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
        xmlns:app="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:paddingBottom="@dimen/activity_vertical_margin"
        android:paddingLeft="@dimen/activity_horizontal_margin"
        android:paddingRight="@dimen/activity_horizontal_margin"
        android:paddingTop="@dimen/activity_vertical_margin"
        app:layout_behavior="@string/appbar_scrolling_view_behavior"
        tools:context=".EQuestionActivity">

        <TextView
            android:id="@+id/question"
            android:layout_width="match_parent"

```

```

        android:layout_height="wrap_content"
        android:text="Large Text"
        android:textAppearance="?android:attr/textAppearanceLarge" />

<RadioGroup
    android:id="@+id/radioGroup1"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_below="@+id/question">

    <RadioButton
        android:id="@+id/radio0"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:checked="true"
        android:text="Radio Button"/>

    <RadioButton
        android:id="@+id/radio1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Radio Button"/>

    <RadioButton
        android:id="@+id/radio2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Radio Button"/>

</RadioGroup>
<Button
    android:id="@+id/button1"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="@string/str_next"
    android:background="#006600"
    android:textColor="#ffffff"
    android:layout_alignParentBottom="true"
    android:onClick="btClick"/>

</RelativeLayout>

</android.support.design.widget.CoordinatorLayout>

```

4.9. *EQuestionActivity.java*:

```
package com.example.lenovo.quizza;

import android.content.Intent;
import android.graphics.Color;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.support.v7.widget.Toolbar;
import android.util.Log;
import android.view.View;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.TextView;
import java.util.Collections;
import java.util.List;

public class EQuestionActivity extends AppCompatActivity {

    List<Question> questionList;
    int score = 0;
    int quid = 0;
    Question currentQuestion;
    Intent intent;
    String sname;

    TextView txtQuestion;
    RadioButton rda,rdb,rdc;
    Button butNext;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_squestion);
        Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
        setSupportActionBar(toolbar);
        sname=getIntent().getStringExtra("name");

        DbHelper dbHelper = new DbHelper(this);
        questionList = dbHelper.getAllQuestions();
        Collections.shuffle(questionList);
        currentQuestion = questionList.get(quid);

        txtQuestion = (TextView)findViewById(R.id.question);
```



```

        rda = (RadioButton)findViewById(R.id.radio0);
        rdb = (RadioButton)findViewById(R.id.radio1);
        rdc = (RadioButton)findViewById(R.id.radio2);
        butNext = (Button)findViewById(R.id.button1);
        setQuestionView();

    }

    private void setQuestionView(){
        txtQuestion.setText(currentQuestion.getQuestion());
        rda.setText(currentQuestion.getOptA());
        rdb.setText(currentQuestion.getOptB());
        rdc.setText(currentQuestion.getOptC());
        quid++;
    }

    public void btClick(View view){
        RadioGroup grp = (RadioGroup)findViewById(R.id.radioGroup1);
        RadioButton answer =
(RadioButton)findViewById(grp.getCheckedRadioButtonId());
        if(currentQuestion.getAnswer().equals(answer.getText())){
            score++;
            Log.d("Score", "Your score: "+score);
        }
        if(quid==9){
            butNext.setText("SUBMIT");
            butNext.setBackgroundColor(Color.parseColor("#000066"));
        }
        if(quid<10 ){
            currentQuestion = equestionList.get(quid);
            setQuestionView();
        }else{
            intent = new Intent(EQuestionActivity.this, ResultActivity.class);
            Bundle b = new Bundle();
            b.putInt("score",score);
            intent.putExtras(b);
            intent.putExtra("name",sname);
            startActivity(intent);
            finish();
        }

    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {

```

```

        // Inflate the menu; this adds items to the action bar if it is present.
        getMenuInflater().inflate(R.menu.menu_main, menu);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        // Handle action bar item clicks here. The action bar will
        // automatically handle clicks on the Home/Up button, so long
        // as you specify a parent activity in AndroidManifest.xml.
        int id = item.getItemId();

        //noinspection SimplifiableIfStatement
        if (id == R.id.action_quit) {
            intent = new Intent(EQuestionActivity.this, ResultActivity.class);
            Bundle b = new Bundle();
            b.putInt("score", score);
            intent.putExtras(b);
            intent.putExtra("name", sname);
            startActivity(intent);
            finish();
        }

        return super.onOptionsItemSelected(item);
    }
}

```

4.10. *activity_result.xml*:

```

<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context=".ResultActivity">
    <LinearLayout android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical"
        android:gravity="center">

        <ImageView

```

```

        android:id="@+id/img1"
        android:layout_width="200dp"
        android:layout_height="200dp"
        android:layout_centerHorizontal="true"
    />
<TextView
    android:id="@+id/name"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text=""
    android:textColor="#000066"
    android:textStyle="italic"
    android:layout_centerHorizontal="true"
    android:layout_centerVertical="true"
    android:textAppearance="?android:attr/textAppearanceLarge"
    android:textSize="30sp" />
<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
<TextView
    android:id="@+id/scoreText"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Your score: "
    android:layout_centerHorizontal="true"
    android:layout_centerVertical="true"
    android:textAppearance="?android:attr/textAppearanceLarge"
    android:textSize="30sp" />

<TextView
    android:id="@+id/score"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_toRightOf="@+id/scoreText"
    android:text="5"
    android:layout_centerHorizontal="true"
    android:layout_centerVertical="true"
    android:textSize="35sp"
    android:textColor="#F00"
    android:textAppearance="?android:attr/textAppearanceLarge"/>
</LinearLayout>

<RatingBar
    android:id="@+id/ratingBar1"
    android:layout_width="wrap_content"

```

```

        android:layout_height="wrap_content"
        android:numStars="5"
        android:stepSize="0.5"
        android:layout_below="@+id/score"
        android:clickable="false"
        android:isIndicator="true"
        android:focusableInTouchMode="false"
        android:focusable="false"
        android:layout_centerHorizontal="true"/>

</LinearLayout>
</ScrollView>

```

4.11. ResultActivity.java:

```

package com.example.lenovo.quizza;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.ImageView;
import android.widget.RatingBar;
import android.widget.TextView;

public class ResultActivity extends AppCompatActivity {

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

        TextView uname=(TextView)findViewById(R.id.name);
        TextView scoreTxtView = (TextView) findViewById(R.id.score);
        RatingBar ratingBar = (RatingBar)findViewById(R.id.ratingBar1);
        ImageView img = (ImageView)findViewById(R.id.img1);

        Bundle b = getIntent().getExtras();
        String sname=getIntent().getStringExtra("name");
        float score = b.getFloat("score");
        ratingBar.setRating(Float.parseFloat(String.valueOf(score/2)));
        uname.setText("Hey! "+sname);
        scoreTxtView.setText(String.valueOf((int)score));

        if(score==0){
            img.setImageResource(R.drawable.score_0);
        }else if(score>=1 && score<=2){
            img.setImageResource(R.drawable.score_1);
        }
    }
}

```

```

    }else if(score>=3 && score<=4){
        img.setImageResource(R.drawable.score_2);
    }else if(score>=5 && score<=6){
        img.setImageResource(R.drawable.score_3);
    }else if(score>=7 && score<=8){
        img.setImageResource(R.drawable.score_4);
    }else if(score>=9 && score<=10){
        img.setImageResource(R.drawable.score_5);
    }
}
}
}

```

4.12. Question.java:

```

package com.example.lenovo.quizza;

```

```

public class Question {
    private int id;
    private String question;
    private String optA;
    private String optB;
    private String optC;
    private String answer;

```

```

    public Question(){
        id=0;
        question = "";
        optA = "";
        optB = "";
        optC = "";
        answer = "";
    }

```

```

    public Question(String question, String optA, String optB, String optC, String
answer){
        this.question = question;
        this.optA = optA;
        this.optB = optB;
        this.optC = optC;
        this.answer = answer;
    }

```

```

    public int getId() {
        return id;
    }

```

```
public String getAnswer() {  
    return answer;  
}  
  
public String getOptC() {  
    return optC;  
}  
  
public String getOptB() {  
    return optB;  
}  
  
public String getOptA() {  
    return optA;  
}  
  
public String getQuestion() {  
    return question;  
}  
  
public void setId(int id) {  
    this.id = id;  
}  
  
public void setQuestion(String question) {  
    this.question = question;  
}  
  
public void setOptA(String optA) {  
    this.optA = optA;  
}  
  
public void setOptB(String optB) {  
    this.optB = optB;  
}  
  
public void setOptC(String optC) {  
    this.optC = optC;  
}  
  
public void setAnswer(String answer) {  
    this.answer = answer;  
}  
}
```

4.13. DbHelper.java:

```
package com.example.lenovo.quizza;

import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;
import android.util.Log;
import java.util.ArrayList;
import java.util.List;

public class DbHelper extends SQLiteOpenHelper {

    //DB version, table and database name
    private static final int DB_VERSION = 6;
    private static final String DB_NAME = "quizdb";
    private static final String DB_TABLE1 = "quiztable";
    private static final String DB_TABLE2 = "squiztable";
    private static final String DB_TABLE3 = "equiztable";

    //table column names
    private static final String KEY_ID = "id";
    private static final String KEY_QUES = "question";
    private static final String KEY_ANSWER = "answer";
    private static final String KEY_OPTA = "optA";
    private static final String KEY_OPTB = "optB";
    private static final String KEY_OPTC = "optC";

    private SQLiteDatabase dbase;
    private int rowCount = 0;

    public DbHelper(Context context){
        super(context,DB_NAME,null,DB_VERSION);
    }

    @Override
    public void onCreate(SQLiteDatabase db) {
        dbase = db;
        db.execSQL("DROP TABLE IF EXISTS "+DB_TABLE1);
        db.execSQL("DROP TABLE IF EXISTS "+DB_TABLE2);
        db.execSQL("DROP TABLE IF EXISTS "+DB_TABLE3);
        String sqlQuery = String.format("CREATE TABLE IF NOT EXISTS %s ( %s  
INTEGER PRIMARY KEY AUTOINCREMENT, %s TEXT, %s TEXT, %s  
TEXT, %s TEXT, %s TEXT )", DB_TABLE1, KEY_ID, KEY_QUES,  
KEY_ANSWER, KEY_OPTA, KEY_OPTB, KEY_OPTC);
```

```

Log.d("TaskDBHelper", "Query to form table" + sqlQuery);
db.execSQL(sqlQuery);
addQuestions();
String sqlQuery2 = String.format("CREATE TABLE IF NOT EXISTS %s ( %s
INTEGER PRIMARY KEY AUTOINCREMENT, %s TEXT, %s TEXT, %s
TEXT, %s TEXT, %s TEXT )", DB_TABLE2, KEY_ID, KEY_QUES,
KEY_ANSWER, KEY_OPTA, KEY_OPTB, KEY_OPTC);
Log.d("TaskDBHelper", "Query to form table" + sqlQuery2);
db.execSQL(sqlQuery2);
addSQuestions();
String sqlQuery3 = String.format("CREATE TABLE IF NOT EXISTS %s ( %s
INTEGER PRIMARY KEY AUTOINCREMENT, %s TEXT, %s TEXT, %s
TEXT, %s TEXT, %s TEXT )", DB_TABLE3, KEY_ID, KEY_QUES,
KEY_ANSWER, KEY_OPTA, KEY_OPTB, KEY_OPTC);
Log.d("TaskDBHelper", "Query to form table" + sqlQuery3);
db.execSQL(sqlQuery3);
addEQuestions();
}

```

```

private void addQuestions() {
    Question q1 = new Question("Which company is the largest manufacturer of
network equipment ?", "HP", "IBM", "CISCO", "CISCO");
    this.addQuestionToDB(q1);
    Question q2 = new Question("Which of the following is NOT an operating
system ?", "Linux", "BIOS", "DOS", "BIOS");
    this.addQuestionToDB(q2);
    Question q3 = new Question("Who is the founder of Apple Inc. ?", "Jose
Thomas", "Bill Gates", "Steve Jobs", "Steve Jobs");
    this.addQuestionToDB(q3);
    Question q4 = new Question("Google and NASA have joined hands to identify
which two new planets around distant stars?", "Kepler 80g, Kepler 90i", "Kepler
90g, Kepler 80i", "Kepler 81g, Kepler 90i", "Kepler 80g, Kepler 90i");
    this.addQuestionToDB(q4);
    Question q5 = new Question("Scientists have developed a new battery material
based in _____ with charging speed 5 times faster than lithium-ion
batteries.", "Carbon", "Graphene", "Chromium", "Graphene");
    this.addQuestionToDB(q5);
    Question q6 = new Question("Which asteroid is causing the Dec 15, 2017
Geminid meteor shower display?", "3200 Helios", "3200 Phobos", "3200
Phaethon", "3200 Phaethon");
    this.addQuestionToDB(q6);
    Question q7 = new Question("India was declared free from trachoma which is a
_____ infection of the eye.", "Viral", "Fungal", "Bacterial", "Bacterial");
    this.addQuestionToDB(q7);
    Question q8 = new Question("A new form of matter has been discovered named
excitonium by whom?", "Bert Halper", "Bert Walper", "Bert Kelper", "Bert

```



```

Halper");
    this.addQuestionToDB(q8);
    Question q9 = new Question("As per PRL Ahmedabad scientists, which type of
storms can flow towards the earth and disturb the
atmosphere?", "Thermal", "Solar", "Wind", "Solar");
    this.addQuestionToDB(q9);
    Question q10 = new Question("Researchers have discovered a way to make an
artificial muscle for which organ?", "Kidney", "Heart", "Liver", "Heart");
    this.addQuestionToDB(q10);
    Question q11 = new Question("India has reduced new malaria cases by what
percent?", "55", "25", "75", "75");
    this.addQuestionToDB(q11);
    Question q12 = new Question("The India Indian Space Research Organisation
(ISRO) is set to launch first solar mission in 2019. What is it
called?", "SuryaNamaskar-L1", "Aditya-L1", "Surya-L1", "Aditya-L1");
    this.addQuestionToDB(q12);
    Question q13 = new Question("China launched world's first fully electric cargo
ship in Guangzhou. What type of battery does it use?", "Lead acid", "Lithium
ion", "Nickel metal hydride", "Lithium ion");
    this.addQuestionToDB(q13);
    Question q14 = new Question("Which artificial protein is being said to block
cancer cells and birth defects?", "G Protein", "C Protein", "T Protein", "G
Protein");
    this.addQuestionToDB(q14);
    Question q15 = new Question("Which Indian nuclear capable land attack cruise
missile was successfully tested with a strike range of 1000
km?", "Agni", "Nag", "Nirbhay", "Nirbhay");
    this.addQuestionToDB(q15);
    Question q16 = new Question("Which is the first bot to write horror stories
developed by MIT Media Lab?", "Shelley", "Poe", "Edgar", "Shelley");
    this.addQuestionToDB(q16);
    Question q17 = new Question("Who invented washing machine?", "James
King", "Alfred Vincor", "Christopher Marcossi", "James King");
    this.addQuestionToDB(q17);
    Question q18 = new Question("What is another name for visceral
leishmaniasis?", "TB", "Kala azar", "Dengue", "Kala azar");
    this.addQuestionToDB(q18);
    Question q19 = new Question("Which planet was discovered by NASA's
MAVEN to have a twisted magnetic tail?", "Mars", "Neptune", "Saturn", "Mars");
    this.addQuestionToDB(q19);
    Question q20 = new Question("India has declared 2010-2020 as the decade of
_____.", "Invention", "Modernisation", "Innovation", "Innovation");
    this.addQuestionToDB(q20);
}

```

```

public void addQuestionToDB(Question q){
    ContentValues values = new ContentValues();
    values.put(KEY_QUES, q.getQuestion());
    values.put(KEY_ANSWER,q.getAnswer());
    values.put(KEY_OPTA,q.getOptA());
    values.put(KEY_OPTB,q.getOptB());
    values.put(KEY_OPTC,q.getOptC());
    dbase.insert(DB_TABLE1, null, values);
}

public List <Question> getAllQuestions(){
    List <Question> questionList = new ArrayList<Question>();

    dbase = this.getReadableDatabase();
    String selectQuery = "SELECT * FROM "+DB_TABLE1;
    Cursor cursor = dbase.rawQuery(selectQuery,null);
    rowCount = cursor.getCount();

    if(cursor.moveToFirst()){
        do{
            Question q = new Question();
            q.setId(cursor.getInt(0));
            q.setQuestion(cursor.getString(1));
            q.setAnswer(cursor.getString(2));
            q.setOptA(cursor.getString(3));
            q.setOptB(cursor.getString(4));
            q.setOptC(cursor.getString(5));

            questionList.add(q);

        } while (cursor.moveToNext());
    }
    return questionList;
}

```

```

private void addSQuestions() {
    Question q1 = new Question("Who won the Football world Cup in 2014 ?",
"Italy", "Argentina", "Germany", "Germany");
    this.addQuestionToDB2(q1);
    Question q2 = new Question("Who is the first cricketer to score an international
double century in 50-over match ?", "Ricky Ponting", "Sachin Tendulkar", "Brian
Lara", "Sachin Tendulkar");
    this.addQuestionToDB2(q2);
    Question q3 = new Question("Who won the Cricket World cup in 2011 ?",
"Australia", "India", "England", "India");
    this.addQuestionToDB2(q3);
}

```

```

    Question q4 = new Question("Which was the 1st non Test playing country to
beat India in an international match?", "Canada", "Sri Lanka", "Zimbabwe", "Sri
Lanka");
    this.addQuestionToDB2(q4);
    Question q5 = new Question("Which county did Ravi Shastri play
for?", "Glamorgan", "Leicestershire", "Gloucestershire", "Glamorgan");
    this.addQuestionToDB2(q5);
    Question q6 = new Question("Who was the first Indian to win the World
Amateur Billiards title?", "Geet Sethi", "Wilson Jones", "Michael
Ferreira", "Wilson Jones");
    this.addQuestionToDB2(q6);
    Question q7 = new Question("Who is the first Indian woman to win an Asian
Games gold in 400m run?", "K.Malleswari", "P.T.Usha", "Kamaljit
Sandhu", "Kamaljit Sandhu");
    this.addQuestionToDB2(q7);
    Question q8 = new Question("Ricky Ponting is also known as
what?", "Punter", "Ponter", "The Rickster", "Punter");
    this.addQuestionToDB2(q8);
    Question q9 = new Question("How long are professional Golf Tour players
allotted per shot?", "25 seconds", "45 seconds", "1 minute", "45 seconds");
    this.addQuestionToDB2(q9);
    Question q10 = new Question("India won its first Olympic hockey gold
in...?", "1928", "1932", "1936", "1928");
    this.addQuestionToDB2(q10);
    Question q11 = new Question("Who won the 1993 'King of the Ring'?", "Owen
Hart", "Bret Hart", "Edge", "Bret Hart");
    this.addQuestionToDB2(q11);
    Question q12 = new Question("In which year did Milkha Singh win the first
National title in the 400 m race?", "1955", "1956", "1957", "1957");
    this.addQuestionToDB2(q12);
    Question q13 = new Question("In which Indian state did the game of Polo
originate?", "Rajasthan", "Manipur", "Meghalaya", "Manipur");
    this.addQuestionToDB2(q13);
    Question q14 = new Question("Who was the 1st ODI captain for India?", "Ajit
Wadekar", "Bishen Singh Bedi", "Nawab Pataudi", "Ajit Wadekar");
    this.addQuestionToDB2(q14);
    Question q15 = new Question("The 'Dronacharya Award' is given
to...?", "Coaches", "Umpires", "Sports Editors", "Coaches");
    this.addQuestionToDB2(q15);
    Question q16 = new Question("Which cricketer died on the field in Bangladesh
while playing for Abahani Club?", "M.L.Jaisimha", "Subhash Gupte", "Raman
Lamba", "Raman Lamba");
    this.addQuestionToDB2(q16);
    Question q17 = new Question("Which of the following is a Manipuri version of
Hockey?", "Khong Kangjei", "Hiyang Tanaba", "Yubi Lakpi", "Khong Kangjei");
    this.addQuestionToDB2(q17);

```

```

        Question q18 = new Question("Where did the 1st ODI match was played in India?", "Kolkata", "Ahmedabad", "Mumbai", "Ahmedabad");
        this.addQuestionToDB2(q18);
        Question q19 = new Question("The Indian football team made its first appearance at Olympics in...?", "1936", "1948", "1952", "1948");
        this.addQuestionToDB2(q19);
        Question q20 = new Question("Who was the first captain of Indian Test team?", "C K Nayudu", "Vijay Hazare", "Vijay Merchant", "C K Nayudu");
        this.addQuestionToDB2(q20);
    }

    public void addQuestionToDB2(Question q){
        ContentValues values = new ContentValues();
        values.put(KEY_QUES, q.getQuestion());
        values.put(KEY_ANSWER, q.getAnswer());
        values.put(KEY_OPTA, q.getOptA());
        values.put(KEY_OPTB, q.getOptB());
        values.put(KEY_OPTC, q.getOptC());
        dbase.insert(DB_TABLE2, null, values);
    }

    public List <Question> getAllQuestions(){
        List <Question> squestionList = new ArrayList<Question>();

        dbase = this.getReadableDatabase();
        String selectQuery = "SELECT * FROM "+DB_TABLE2;
        Cursor cursor = dbase.rawQuery(selectQuery, null);
        rowCount = cursor.getCount();

        if(cursor.moveToFirst()){
            do{
                Question q = new Question();
                q.setId(cursor.getInt(0));
                q.setQuestion(cursor.getString(1));
                q.setAnswer(cursor.getString(2));
                q.setOptA(cursor.getString(3));
                q.setOptB(cursor.getString(4));
                q.setOptC(cursor.getString(5));

                squestionList.add(q);

            } while (cursor.moveToNext());
        }
        return squestionList;
    }
}

```

```

private void addEQuestions() {
    Question q1 = new Question("What are John Abraham and Akshay Kumar's professions in Garam Masala?", "Reporter", "Lawyers", "Photographers", "Photographers ");
    this.addQuestionToDB3(q1);
    Question q2 = new Question("From where does Veeru propose to Basanti in Sholay?", "Top of a water tank", "Top of a roof", "Top of a hill", "Top of a water tank");
    this.addQuestionToDB3(q2);
    Question q3 = new Question("The catch-line 'American dream, Indian soul' was of the film...?", "American Desi", "Pardes", "Indian", "Pardes");
    this.addQuestionToDB3(q3);
    Question q4 = new Question("Aishwarya Rai was crowned Miss World in which year?", "1994", "1993", "1995", "1994");
    this.addQuestionToDB3(q4);
    Question q5 = new Question("The name of Kajol's character in Sohail Khan's Pyar Kiya Toh Darna Kya was...?", "Muskan", "Simran", "Anjali", "Muskan");
    this.addQuestionToDB3(q5);
    Question q6 = new Question("Lata Mangeshkar was awarded the Padma Bhushan in which year?", "1989", "1979", "1969", "1969");
    this.addQuestionToDB3(q6);
    Question q7 = new Question("The name of Saif Ali Khan's daughter is...?", "Zara", "Sara", "Rhea", "Sara");
    this.addQuestionToDB3(q7);
    Question q8 = new Question("Raveena Tandon won the National Award for her role in which film?", "Ankhiyon Se Goli Maare", "Shool", "Daman", "Daman");
    this.addQuestionToDB3(q8);
    Question q9 = new Question("The first film Alisha Chinai sang for was...?", "Mr India ", "Do Ankhen Barah Haath ", "Tarzan", "Tarzan");
    this.addQuestionToDB3(q9);
    Question q10 = new Question("Lata Mangeshkar made her debut in Hindi playback singing with the movie...?", "Aap ke Sewa Main", "Deewar", "Barsaat", "Aap ke Sewa Main");
    this.addQuestionToDB3(q10);
    Question q11 = new Question("Tabu's real name is...?", "Taslim Khan", "Tabassum Fatima Hashmi ", "Tabakul", "Tabassum Fatima Hashmi ");
    this.addQuestionToDB3(q11);
    Question q12 = new Question("Who played Mrs Khiladi in Mr And Mrs Khiladi?", "Juhi Chawla", "Karisma Kapoor", "Manisha Koirala", "Juhi Chawla");
    this.addQuestionToDB3(q12);
    Question q13 = new Question("Before Akshay Kumar became an actor, he worked as a...?", "Reporter", "Journalist", "Waiter", "Waiter");
    this.addQuestionToDB3(q13);
    Question q14 = new Question("What was the name of Madhuri Dixit's dog in Hum Aapke Hain Koun?", "Tuffy", "Tommy", "Timmy", "Tuffy");
}

```

```

        this.addQuestionToDB3(q14);
        Question q15 = new Question("Which was the first film in which Amitabh and
        Jaya Bachchan worked together?", "Sholay", "Guddi", "Kabhi Khushi Kabhi
        Ghum", "Guddi");
        this.addQuestionToDB3(q15);
        Question q16 = new Question("Which is India's first Colour film?", "Kisan
        Kanya", "Mother India", "Alam Ara", "Kisan Kanya");
        this.addQuestionToDB3(q16);
        Question q17 = new Question("Which was the first monochrome film to be fully
        converted into colour in 2004?", "Raja Harishchandra", "Mughal-e-Azam", "Naya
        Daur", "Mughal-e-Azam");
        this.addQuestionToDB3(q17);
        Question q18 = new Question("Which was the first Indian talkie movie to be
        released?", "Ayodhya ka Raja", "Raja Harishchandra", "Alam Ara", "Alam Ara");
        this.addQuestionToDB3(q18);
        Question q19 = new Question("Who is considered the 'Father of the Indian
        Films'?", "Raj Kapoor", "Prithviraj Kapoor", "Dada Saheb Phalke", "Dada Saheb
        Phalke");
        this.addQuestionToDB3(q19);
        Question q20 = new Question("Name Karan Johar's 2nd directorial film
        comprising of a cast of- Amitabh Bachhan, Jaya, Shahrukh, Hritik, Kareena, Kajol
        and Rani.", "Kabhi Khushi Kabhi Ghum", "Kuch Kuch hota hain", "Hum Saath
        Saath hain", "Kabhi Khushi Kabhi Ghum");
        this.addQuestionToDB3(q20);
    }

    public void addQuestionToDB3(Question q){
        ContentValues values = new ContentValues();
        values.put(KEY_QUEES, q.getQuestion());
        values.put(KEY_ANSWER, q.getAnswer());
        values.put(KEY_OPTA, q.getOptA());
        values.put(KEY_OPTB, q.getOptB());
        values.put(KEY_OPTC, q.getOptC());
        dbase.insert(DB_TABLE3, null, values);
    }

    public List<Question> getAllQuestions(){
        List<Question> equestionList = new ArrayList<Question>();

        dbase = this.getReadableDatabase();
        String selectQuery = "SELECT * FROM "+DB_TABLE3;
        Cursor cursor = dbase.rawQuery(selectQuery, null);
        rowCount = cursor.getCount();

        if(cursor.moveToFirst()){

```

```

do{
    Question q = new Question();
    q.setId(cursor.getInt(0));
    q.setQuestion(cursor.getString(1));
    q.setAnswer(cursor.getString(2));
    q.setOptA(cursor.getString(3));
    q.setOptB(cursor.getString(4));
    q.setOptC(cursor.getString(5));

    equestionList.add(q);

} while (cursor.moveToNext());
}
return equestionList;
}

@Override
public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {
    db.execSQL("DROP TABLE IF EXISTS "+DB_TABLE1);
    db.execSQL("DROP TABLE IF EXISTS "+DB_TABLE2);
    db.execSQL("DROP TABLE IF EXISTS "+DB_TABLE3);
    onCreate(db);
}

public int getRowCount(){
    return rowCount;
}
}

```

4.14. AndroidManifest.xml:

```

<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.lenovo.quizza">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/AppTheme">
        <activity
            android:name=".MainActivity"
            android:screenOrientation="portrait">
            <intent-filter>

```



```

        <action android:name="android.intent.action.MAIN" />

        <category android:name="android.intent.category.LAUNCHER" />
    </intent-filter>
</activity>
<activity
    android:name=".QuestionActivity"
    android:label="Quizza SciTech"
    android:screenOrientation="portrait"
    android:theme="@style/AppTheme.NoActionBar" />
<activity
    android:name=".SQuestionActivity"
    android:label="Quizza Sports"
    android:screenOrientation="portrait"
    android:theme="@style/AppTheme.NoActionBar"/>
<activity
    android:name=".EQuestionActivity"
    android:label="Quizza Entertainment"
    android:screenOrientation="portrait"
    android:theme="@style/AppTheme.NoActionBar"/>
<activity
    android:name=".ResultActivity"
    android:label="@string/title_activity_result"
    android:screenOrientation="portrait"
    android:theme="@style/AppTheme.NoActionBar" />
</application>

</manifest>

```

4.15. *menu_main.xml*:

```

<menu xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    tools:context=".QuestionActivity">
    <item
        android:id="@+id/action_quit"
        android:title="Quit"
    />
</menu>

```

4.16. *strings.xml*:

```

<resources>
    <string name="app_name">Quizza</string>
    <string name="title_activity_question">QuestionActivity</string>
    <string name="str_next">Next</string>

```



```

    <string name="title_activity_result">ResultActivity</string>
</resources>

```

4.17. strings.xml:

```

<resources>

    <!-- Base application theme. -->
    <style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">
        <!-- Customize your theme here. -->
        <item name="colorPrimary">#993300</item>
        <item name="colorPrimaryDark">#993300</item>
        <item name="colorAccent">@color/colorAccent</item>
    </style>

    <style name="AppTheme.NoActionBar">
        <item name="windowActionBar">false</item>
        <item name="windowNoTitle">true</item>
    </style>

    <style name="AppTheme.AppBarOverlay"
        parent="ThemeOverlay.AppCompat.Dark.ActionBar" />

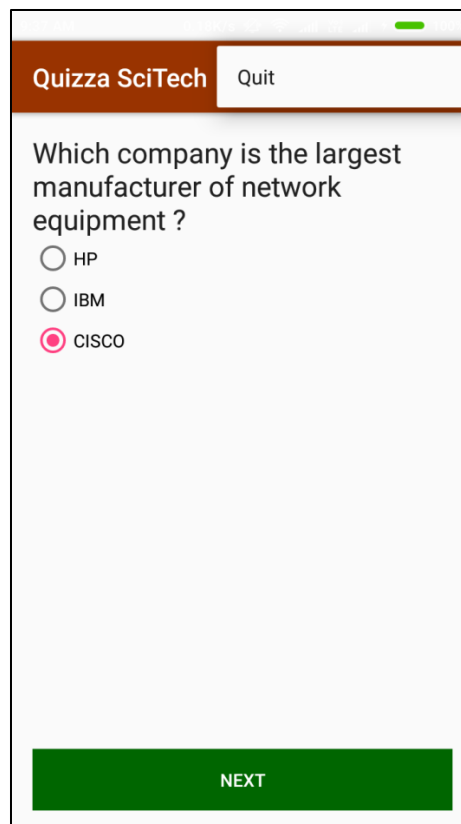
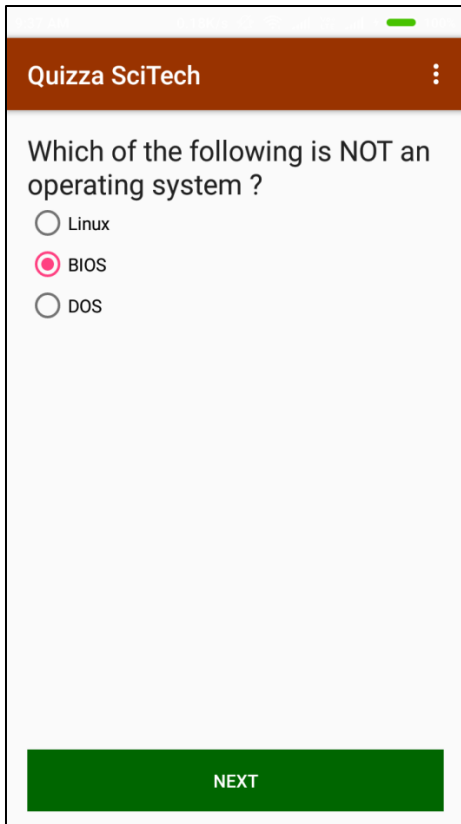
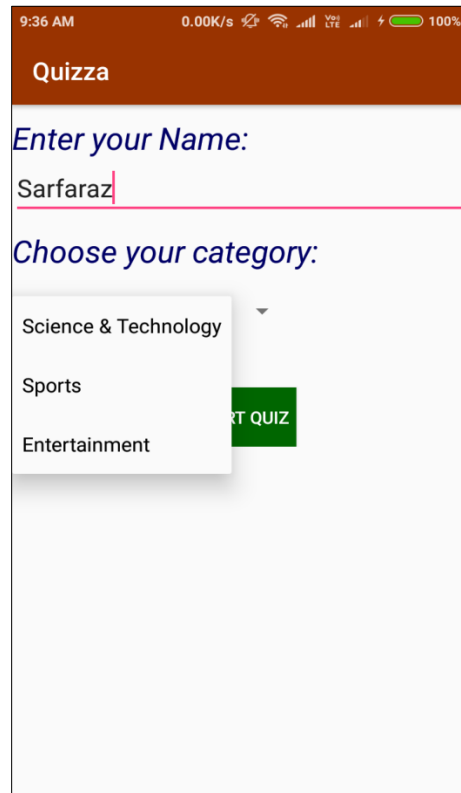
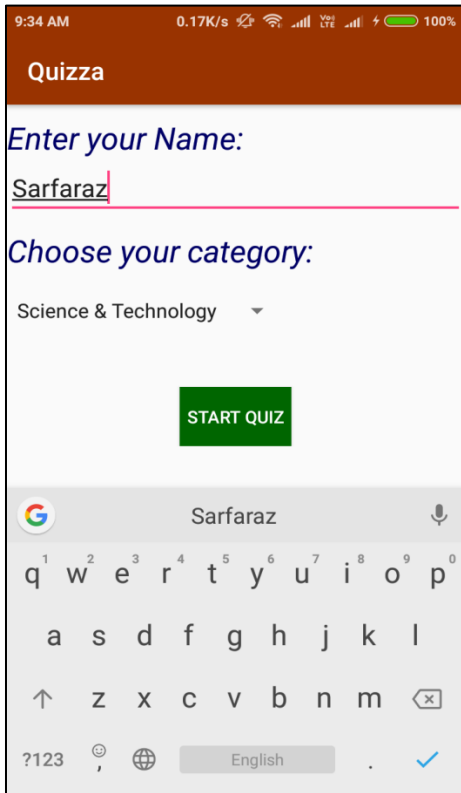
    <style name="AppTheme.PopupOverlay"
        parent="ThemeOverlay.AppCompat.Light" />

    <style name="AppTheme.NoActionBar">
        <item name="windowActionBar">false</item>
        <item name="windowNoTitle">true</item>
        <item name="android:windowDrawsSystemBarBackgrounds">true</item>
        <item name="android:statusBarColor">@android:color/transparent</item>
    </style>

</resources>

```

5. SCREENSHOTS:



Quizza Sports

Where did the 1st ODI match was played in India?

☐ Kolkata

☒ Ahmedabad

☐ Mumbai

NEXT

Quizza Sports

Who won the Football world Cup in 2014 ?

☐ Italy

☐ Argentina

☒ Germany

SUBMIT

Quizza Entertainment


Which was the first Indian talkie movie to be released?

☐ Ayodhya ka Raja

☐ Raja Harishchandra


☒ Alam Ara

NEXT



Hey! Sarfaraz

Your score: 0





Hey! Sarfaraz

Your score: 1



Hey! Sarfaraz

Your score: 4



Hey! Sarfaraz

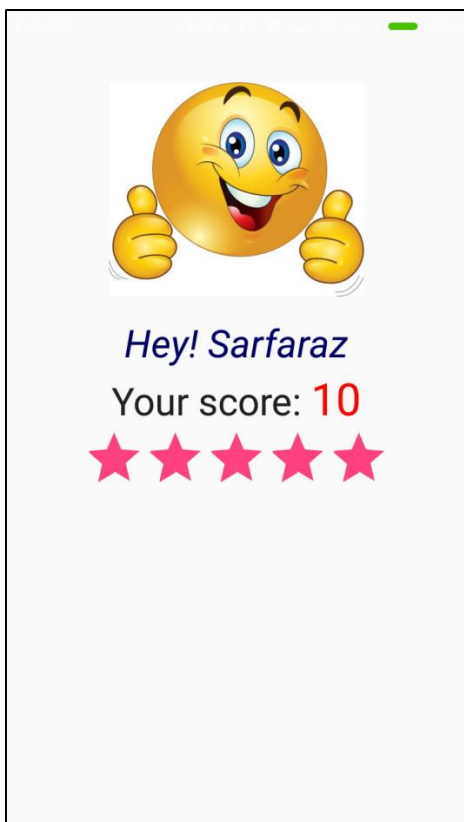
Your score: 5



Hey! Sarfaraz

Your score: 8





----- oOo -----