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ANDROID MOBILE APPLICATION

TRAVEL GUIDE

Submitted By

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A project Report submitted in partial fulfillment of the requirement for the
Course of Internet and Mobile Technologies and Applications in Computer Science

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ABSTRACT

The ultimate goal of the paper is to explore the requirements of travelers in Bangladesh and our proposed and developed solution of android application including some basic guidance for the travelers in Chittagong area. Every year thousands of foreigners from diverse countries come to visit Bangladesh for different purposes. Most of them come for religious, study, and business purposes. Besides, tourists also visit different places of natural beauty and history of the country. However, being foreigners, the travelers face different types of problem including limited transportation information, problem in understanding Bengali language and so on. Based on travelers' requirement, we have come up with our online mobile application which can solve their problem during visiting Chittagong city of Bangladesh. The paper illustrates the features, development method, result, and uses of our android application named "Travel Guide".

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CHAPTER 1

INTRODUCTION

1.1 Overview

Bangladesh, a country with natural beauty and historical places, is visited by many foreigners from different countries. The purpose of foreigners' visit to this country is diverse. The most dominant purpose is tourism. The country was listed by Lonely Planet in 2011 as the "best value destination"[1]. There are some other reasons to travel the country such as political, business, official, and education purpose, and so on. However, being foreigners in Bangladesh, they face some challenges during residing in the country such as lack of getting language and transport information. For meeting up some of the requirements by the travelers, we have come up with an online solution by developing android application. The chapter describes the objective of our project. Besides, it describes the scope and limitation of our system.

1.2 Objectives

The purpose of our project is to provide the basic idea on some common conversation in the different places that the travelers need to go after coming to Bangladesh. Besides, the project provides the travelers concept of transportation cost of different transport medium in the Chittagong city of Bangladesh.

1.3 Scope and Limitation

The scope of our project is mainly for the travelers of Bangladesh. Moreover, Bangladeshi people particularly the new comers to Chittagong city can also use the application for knowing the route and source to destination cost by different transportation medium.

Currently our project is covering only Chittagong region, so only travelers who visit Chittagong, can use the application to know the transportation information of this region.

CHAPTER 2

LITERATURE REVIEW

2.1 Overview of travelers in Bangladesh

The number of people interested in tourism is increasing day by day. They travel to Bangladesh for different purposes such as visiting, religious, job, business and so on. Statistics indicates “Tourism is the strongest and largest industry in the global economy world, generating an estimated 11% of the global gross domestic product (GDP) and employing 200 million people and serving 700 million tourists worldwide-a figure which is expected to double by the year 2020” [2].

2.2 Travelers’ Requirements

Although people can get some general information regarding traveling over the internet, it is sometimes problematic for the newcomers in a place to get familiar with the new environment. Basically, they face difficulties in communicating and finding proper routing information and associated costs for distinct routes.

2.3 Android Platform to Meet the Requirements

Nowadays people have been moved so much into the modern technology that they really want an intelligent living environment along with intelligent objects which contain powerful infrastructure with the most desired features. Thus android mobile applications have become very popular among the smartphone users.

2.4 Introduction to Proposed System

Considering travelers’ requirements and popularity of android device and app, we have come up with the idea of making a mobile app for the foreigners and newcomers in one of the most attractive and tourist cities in Bangladesh which is named Chittagong, and our chosen mobile platform is Android which is open source, developed and distributed by Google.

CHAPTER 3

SYSTEM DESIGN

3.1 Architecture of the Proposed System

The System has two types of interfaces. One is for transportation information and the other describes the phrases that are commonly used. The total architecture has been described below through fidelity prototype of the system.

3.1.1 Fidelity Prototype

There are two basic features of our proposed system 'Travel Guide' except the home page. These are –

- i. Home Page
- ii. Phrase
- iii. Search Transportation Medium

- i. Home Page:

The first page of our application contains the two button named “Phrase” and “Search Transportation Medium”. Figure 3.1.1(i) describes the home page.

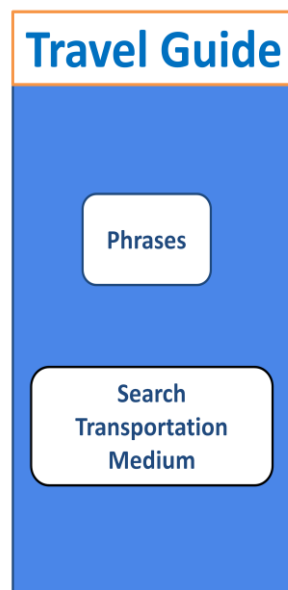


Figure 3.1.1(i): Home Page

- ii. Phrase:

The second page of our project is called “Phrase”. This page has three buttons named “Hotel”, “Restaurant”, and “Bus”. Figure 3.1.1(ii) describes this page.

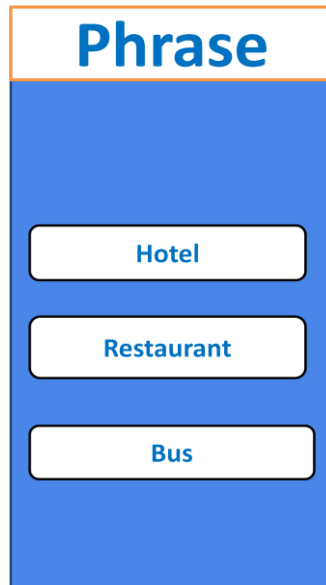


Figure 3.1.1(ii): Phrase Page

iii. Search Transportation Medium:

The page will provide a google map with route from source to destination. It will also give the basic transportation cost and distance. Figure 3.1.1(iii) describes this page.

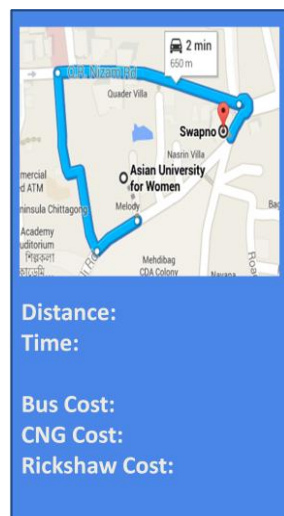


Figure 3.1.1(iii): Search Transportation Medium Page.

3.2 Development Phases

3.2.1 Requirement Specification

i. Functional requirements:

- the application can show map of the city
- map can be zoomed in and out
- the application can show the route between different locations on map
- giving language training

ii. Non-functional requirements:

- user interface should be usable, and easy to understand

3.2.2 Android Development Tools

Android is the significant platform for open source mobile applications. It uses Linux kernel-based as default operating system; using Android SDK to build user application in Java. Android is more flexible when it can be developed in both Mac and Windows systems [2]. Using the add-on Android SDK, we not only can develop but also can run and test the application on both of the emulators and real Android devices. Table 3.2.2 describes the development tools in android platform.

Specification	
Minimum Android API level	API 16
Area of usage	Chittagong, Bangladesh
Hardware	Laptop or Desktop with 4Gb RAM Android device (for testing)
Languages	1. Java 2. XML (eXtensible Markup Language)
Android Development	1. Eclipse IDE 2. Google Maps API 3. JSON (JavaScript Object Notation)

Table 3.2.2: Development tools requirements for android platform.

3.2.3 Designing the layouts

First view:

This includes two buttons and the greeting for users. The buttons allow users to proceed to the new view. Phrases button - to see three different scenarios that users may meet when communicating with residents. Second button is Search transportation medium to see map and route transport info.

Phrases view:

There will be three buttons, in the order of Hotel conversation, Restaurant conversation and Bus conversation. Each subpage of these conversations is a scrollview.

Route view: GPS is implemented to automatic localization.

3.2.4 Developing the layouts

Android applications uses XML layout to display its contents. Each tag in XML layout performs given property. By defining the id, these tags can be used in java code.

Main view:

Main view will have simple look using *RelativeLayout* statement for easy customizing.

Example of *RelativeLayout* statement for XML document should look like:

```
<RelativeLayout 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"  
</RelativeLayout>
```

Layout_width / layout_height is used to custom the view in mobile device. In this example, “*match_parent*” is used so the view will be as big as its parent. *Layout_height* is kind of similar to width but it uses vertical scale to display the view.

The child of *RelativeLayout* can be any view, *TextView*, *Button*, etc. In the project, *TextView* is used to show the name of the application and the *ImageView* for displaying the background. There are also two *Button* for menu options.

ScrollView:

ScrollView is a special kind of layout, it's used to hold view that is larger than its actual size. Once the view size is larger than the *ScrollView* size, it will add scroll bar that can be scrolled vertically [5].

```
<ScrollView xmlns:android = "http://schemas.android.com/apk/res/android"
    android_width = "fill_parent"
    android_height = "fill_parent" >
    <LinearLayout
        android:layout_width="fill_parent"
            android:layout_height="wrap_content"
            android:orientation="vertical"
        >
        </LinearLayout>
    </ScrollView>
```

By default, the *ScrollView* has a *LinearLayout* as its only content. However, this *LinearLayout* can give a simple display of contents in either vertically or horizontally [4].

3.2.5 Designing and implementing the classes

An Activity on an Android project is the elements which interact with the user [5]. All activities are organized in classes which place inside src folder. Every android application has *MainActivity.java* as the main activity class.

Main Activity

In *MainActivity.java* class, *Intent* is using to navigate to users' choice. An *Intent* is a class that is used to describe an operation to be performed. It is the primary way which helps developers start new activity within an application. It can also used as a tool to communicate between activities [4].

```
public void onClick (View v){
    Intent i = new Intent (getApplicationContext(), Phrase.class);
    startActivity(i);
}
```

This method will take as parameter view which will trigger new intend. Basically, it will run code in a desired class. In this above example, this *Intent* will run the *Phrase* class once click. All the intents are defined in *AndroidManifest* file of the project [3].

```
<activity
    android:name = "packet_name.MainActivity"
    <intent-filter>
        <action android:name="android.intent.action.MAIN"/>
        <category android:name="android.intent.category.LAUNCHER" />
    </intent-filter>
</activity>
```

For all activities, we must declare the intent filters in the manifest file.

Google Maps APIv2:

Travel Guide App uses Google Maps API v2 to execute showing the map, add markers on to map and obtain users latitudes and longitudes [4].

In order to use Google Maps service, the application needs to register for a developer key on the Web developments. There are two main step to obtain the developer key:

First, on the tab *Windows on Eclipse > Preferences > Android > Build*, copy the SHA1 fingerprint.

Second, follow the url: <https://code.google.com/apis/console/> On the left, go to *APIs & auth > Credentials > Create new Key > Android Key*. In the pop-up window, there are two pieces of information that need to fill: SHA1 fingerprint and the project package name (separated by a semicolon).

CHAPTER 4

SYSTEM IMPLEMENTATION

4.1 Physical Features after System Development

The final outcome of the project is the online version of Travel Guide Android mobile application that contains seven pages all together which are described below.

i. Home Page:

The “Home” page is the main page that shows two options to select such as “Phrases” and “Search Transport Medium”. Figure 4.1.1(i) describes the Home Page.

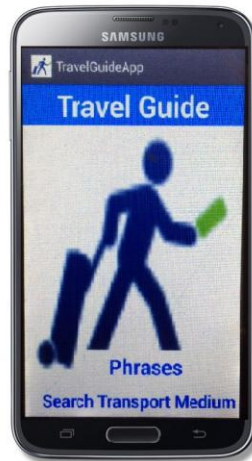


Figure 4.1.1(i): Home Page

ii. Phrase Page:

If someone selects “Phrases” then it leads the the person to the second page that contains the basic phrases in Bengali in three different scenarios including “Hotel”, “Restaurant” and “Bus”. Besides, the user can also listen to the audio of Bengali languages. Figure 4.1.1(ii-1) and Figure 4.1.1(ii-2) describes the phrase functions of our model.



Figure 4.1.1(ii-1): Phrase Page

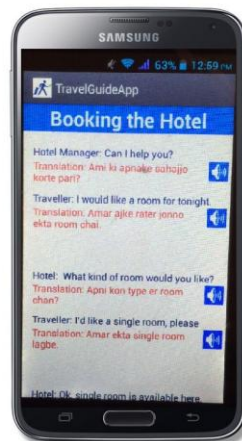


Figure 4.1.1(ii-2): Hotel Phrase Page

iii. Search Transportation Medium Page

If someone selects “Search Transport Medium”, then it leads that person to the “Map” page where the user can see the map and mark his/her current location and the desired destination in order to know the transport information. As soon as he/she selects the source

and destination, the map will provide the detailed routing information including distance between two places, shortest duration to be reached to the destination and finally the associated routes, for example, by bus, CNG and rickshaw. Ultimately, the user can go back to the “Home” page from the “Map” page. Figure 4.1.1(iii-1) and Figure 4.1.1(iii-2) describes search transportation medium page.

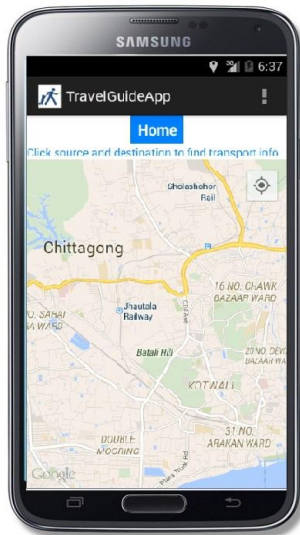


Figure 4.1.1(iii-1) Map Page

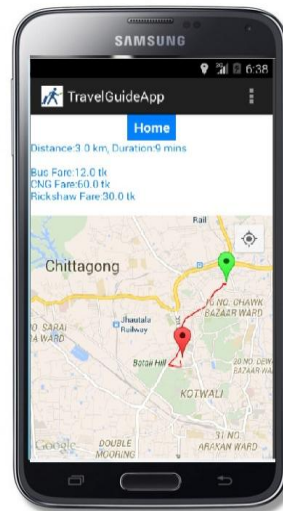


Figure 4.1.1(iii-2) Route Page

4.2 System Deployment

For deploying the system, one of the member from our team who works as project manager will contact with the travel agency. The travel agency will upload our project in their website so that users can subscribe it from that.

4.3 System Evaluation and Modification

We have evaluated the system multiple times by ourself and other non-cs users who gave us feedback. Based on our parallel testing, we modified our system.

4.4 User Manual

It's quite easy to use the application. Below are the instructions:

i. Phrases:

Once tap on *Phrases* tab; there will be three options which are Hotel, Restaurant and Bus. You can select Hotel tab to learn how to conversate in Hotel, similarly for both Restaurant and Bus. Tap on the audio button to listen to the conversation in voice. The navigations at the bottom allow you to either come back to Phrase or Home page

ii. Routing:

Tap twice if you want to zoom-in. Select two places (your location and your destination) to put the marker. Then it will show routing information including the distance between two places, the shortest time to travel between two places and the cost by different travelling way.

CHAPTER 5

CONCLUSION AND RECOMMENDATION

5.1 Conclusion

Keeping travelers' need in consideration and the current trend to the use of android device, we have developed our Travel Guide Android Application. The application is able to meet most of the requirements that is commonly asked by the travelers. Besides, the simplicity of using the application has been maintained. The app can be helpful for Bangladeshi people who are the newcomers to the Chittagong city.

5.2 Limitation

After evaluating our project, we have found some areas that are kept under special consideration and still need to work on. The phrases that we have developed so far are not real time interactive. Therefore, it might not be that meaningful to the target users (foreigners) as it's not helping them in real time conversation through language translation. Another issue is that we are not keeping track of the user's current location through GPS location tracker. Here in our system, a user has to provide his current location and destination to the map which is not that efficient. Furthermore, there may be different number of local buses around the city which information the user doesn't know but really need to know so that he/she can have the idea of local buses going to different routes.

5.3 Recommendations and Future Work

Based on the current limitations of our project, there can be some recommendations to improve the features of our app in order to make it more user friendly, efficient and effective as well.

Search Nearby: Allow users to find specific places such as hotels, restaurants, book stores near their current geographic location [7].

Real Time Interactive Conversation: The conversation in hotels, buses and restaurants are to be real time interactive through instant language translations.

GPS Location Tracker: Instead of giving user's current location to the map, the user's location will be automatically followed by GPS location tracker which will make the app more powerful and systematic.

More Detailed Routing Information: More details of routing information nearby areas in the city can be provided to the user.

Whole Country Coverage: As we are using Google's map for locating user's destination and finding the route information, this app can be implemented for the entire country coverage.

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APPENDIX

Relevant Source Codes:

Main Activity.java:

```
package com.example.travelguideapp;
import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.TextView;

public class MainActivity extends Activity {
    Button btn1,btn2;
    TextView text1;
    ImageView image1;

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

        btn1 = (Button)findViewById(R.id.mainpagebutton1);
        btn2 = (Button)findViewById(R.id.mainpagebutton2);
        text1 = (TextView)findViewById(R.id.mainpagetextView1);

        btn1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub
                Intent i = new Intent(getApplicationContext(), Phrase.class);
                startActivity(i);
            }
        });

        btn2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub
                Intent i = new Intent(getApplicationContext(), Route.class);

                startActivity(i);
            }
        });
    }
}
```

Phrase.java:

```
package com.example.travelguideapp;
import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;

public class Phrase extends Activity {

    Button button1, button2, button3, button4;
    TextView text1;

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

        button1 = (Button)findViewById(R.id.phrasebutton1);
        button2 = (Button)findViewById(R.id.phrasebutton2);
        button3 = (Button)findViewById(R.id.phrasebutton3);
        button4 = (Button)findViewById(R.id.phrasebutton4);

        text1 = (TextView)findViewById(R.id.phrasetextView1);

        button1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub
                Intent i = new Intent(getApplicationContext(),
Restaurantphrase.class);

                startActivity(i);
            }
        });

        button2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub
                Intent i = new Intent(getApplicationContext(), Bus.class);

                startActivity(i);
            }
        });
    }
}
```

```

        button3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub
                Intent i = new Intent(getApplicationContext(), MainActivity.class);

                startActivity(i);
            }
        });

        button4.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub
                Intent i = new Intent(getApplicationContext(),
Hotelpage.class);

                startActivity(i);
            }
        });
    }
}

```

Bus.java Page:

```

package com.example.travelguideapp;

import android.app.Activity;
import android.content.Intent;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageButton;
import android.widget.TextView;

public class Bus extends Activity {

    MediaPlayer bus1, bus2, bus3, bus4, bus5, bus6;

```

```
TextView text1, text2, text3, text4, text5, text6, text7, text8, text9, text10, text11, text12, text13;
```

```
ImageButton imgbutton1, imgbutton2, imgbutton3, imgbutton4, imgbutton5, imgbutton6, imgbuttonback ;
```

```
Button imghome, imgphrase;
```

```
    @Override
```

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

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.bus);
```

```
        final MediaPlayer busaudio1 = MediaPlayer.create(this, R.raw.bus1);
```

```
        final MediaPlayer busaudio2 = MediaPlayer.create(this, R.raw.bus2);
```

```
        final MediaPlayer busaudio3 = MediaPlayer.create(this, R.raw.bus3);
```

```
        final MediaPlayer busaudio4 = MediaPlayer.create(this, R.raw.bus4);
```

```
        final MediaPlayer busaudio5 = MediaPlayer.create(this, R.raw.bus5);
```

```
        final MediaPlayer busaudio6 = MediaPlayer.create(this, R.raw.bus6);
```

```
        imgbuttonback = (ImageButton)findViewById(R.id.bus_backBt);
```

```
        imgbuttonback.setOnClickListener(new View.OnClickListener() {
```

```
            @Override
```

```
            public void onClick(View v) {
```

```
                // TODO Auto-generated method stub
```

```
                Intent i = new Intent(getApplicationContext(), Phrase.class);
```

```
                startActivity(i);
```

```
            }
```

```
        });
```

```
        imghome = (Button)findViewById(R.id.bus_homeBt);
```

```
        imghome.setOnClickListener(new View.OnClickListener() {
```

```
            @Override
```

```
            public void onClick(View v) {
```

```
                // TODO Auto-generated method stub
```

```
                Intent i = new Intent(getApplicationContext(), MainActivity.class);
```

```

        startActivity(i);

    });

    imgphrase = (Button)findViewById(R.id.bus_phraseBt);
    imgphrase.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View v) {

            // TODO Auto-generated method stub

            Intent i = new Intent(getApplicationContext(), Phrase.class);
            startActivity(i);

        }

    });

    imgbutton1 = (ImageButton)findViewById(R.id.bus_imageButton1);
    imgbutton1.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View v) {

            if (busaudio1.isPlaying()){

                busaudio1.pause();

            }

            else {

                busaudio1.start(); } } });

    imgbutton2 = (ImageButton)findViewById(R.id.bus_imageButton2);
    imgbutton2.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View v) {

            if (busaudio2.isPlaying()){

                busaudio1.pause();

            }

        }

    });

```

```

        else {
            busaudio2.start();
        }
    }
});

imgbutton3 = (ImageButton)findViewById(R.id.bus_imageButton3);
imgbutton3.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        if (busaudio3.isPlaying()){
            busaudio1.pause();
        }
        else {
            busaudio3.start();
        }
    }
});

imgbutton4 = (ImageButton)findViewById(R.id.bus_imageButton4);
imgbutton4.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        if (busaudio4.isPlaying()){
            busaudio4.pause();
        }
        else {
            busaudio4.start();
        }
    }
});

imgbutton5 = (ImageButton)findViewById(R.id.bus_imageButton5);
imgbutton5.setOnClickListener(new View.OnClickListener() {

```

```

@Override

public void onClick(View v) {

    if (busaudio5.isPlaying()){

        busaudio5.pause();

    }

    else {

        busaudio5.start();

    }

}

});

imgbutton6 = (ImageButton)findViewById(R.id.bus_imageButton6);
imgbutton6.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        if (busaudio6.isPlaying()){

            busaudio6.pause();

        }

        else {

            busaudio6.start();

        }

    }

});

}}

```

Hotelpage.java:

```

package com.example.travelguideapp;

import android.app.Activity;

import android.content.Intent;

```



```

import android.media.MediaPlayer;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.ImageButton;

import android.widget.TextView;

public class Hotelpage extends Activity {

    TextView text1, text2, text3, text4, text5, text6, text7, text8, text9, text10, text11,
    text12, text13, text14, text15, text16 ;

    ImageButton hotelimageBt1 , hotelimageBt2, hotelimageBt3, hotelimageBt4,
    hotelimageBt5, hotelimageBt6, hotelimageBt7, hotelimageBt8, hotelbackBt, hotelnextBt;

    Button hotelhomeBt, hotelphraseBt;

    protected void onCreate (Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.hotelpage);

        //set up the button audio

        final MediaPlayer audio1 = MediaPlayer.create(this, R.raw.hotel1);
        final MediaPlayer audio2 = MediaPlayer.create(this, R.raw.hotel2);
        final MediaPlayer audio3 = MediaPlayer.create(this, R.raw.hotel3);
        final MediaPlayer audio4 = MediaPlayer.create(this, R.raw.hotel4);
        final MediaPlayer audio5 = MediaPlayer.create(this, R.raw.hotel5);
        final MediaPlayer audio6 = MediaPlayer.create(this, R.raw.hotel6);
        final MediaPlayer audio7 = MediaPlayer.create(this, R.raw.hotel7);
        final MediaPlayer audio8 = MediaPlayer.create(this, R.raw.hotel8);

        hotelimageBt1 = (ImageButton) findViewById(R.id.hotelaudio1);
        hotelimageBt1.setOnClickListener (new View.OnClickListener() {

            @Override

            public void onClick(View v) {

                // TODO Auto-generated method stub

```

```

        if (audio1.isPlaying()){
            audio1.pause();
        }
        else {
            audio1.start();
        }
    }
});

hotelimageBt2 = (ImageButton) findViewById(R.id.hotelaudio2);
hotelimageBt2 .setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        // TODO Auto-generated method stub
        if (audio2.isPlaying()){
            audio2.pause();
        }
        else {
            audio2.start();
        }
    }
});

```

```

hotelimageBt3 = (ImageButton) findViewById(R.id.hotelaudio3);
hotelimageBt3 .setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        // TODO Auto-generated method stub
        if (audio3.isPlaying()){
            audio3.pause();
        }
    }
});

```

```

        }
        else {
            audio3.start();
        }
    }
});

hotelimageBt4 = (ImageButton) findViewById(R.id.hotelaudio4);
hotelimageBt4 .setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        // TODO Auto-generated method stub
        if (audio4.isPlaying()){
            audio4.pause();
        }
        else {
            audio4.start();
        }
    }
});

hotelimageBt5 = (ImageButton) findViewById(R.id.hotelaudio5);
hotelimageBt5 .setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        // TODO Auto-generated method stub
        if (audio5.isPlaying()){
            audio5.pause();
        }
        else {
            audio5.start();
        }
    }
});

```

```

    }
    }

});

hotelimageBt6 = (ImageButton) findViewById(R.id.hotelaudio06);
hotelimageBt6.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        if (audio6.isPlaying()){

            audio6.pause();

        }

        else {

            audio6.start();

        }

    }

});

hotelimageBt7 = (ImageButton) findViewById(R.id.hotelaudio7);
hotelimageBt7.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        if (audio7.isPlaying()){

            audio7.pause();

        }

        else {

            audio7.start();

        }

    }

});

```

```

hotelimageBt8 = (ImageButton) findViewById(R.id.hotelaudio8);
hotelimageBt8.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        if (audio8.isPlaying()){

            audio8.pause();

        }

        else {

            audio8.start();

        }

    }

});

hotelbackBt = (ImageButton) findViewById(R.id.hotelbackBt);
hotelbackBt.setOnClickListener (new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        Intent i = new Intent
(getApplicationContext(),MainActivity.class);

        startActivity(i);

    }

});

hotelhomeBt = (Button) findViewById(R.id.hotelhomeBt);
hotelhomeBt.setOnClickListener (new View.OnClickListener() {

    @Override

    public void onClick(View v) {

```

```

        Intent i = new Intent
(getApplicationContext(),MainActivity.class);

        startActivity(i);

    }

});

hotelphraseBt = (Button) findViewById(R.id.hotelphraseBt);
hotelphraseBt.setOnClickListener (new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        Intent i = new Intent ((getApplicationContext(),Phrase.class);

        startActivity(i);

    }

});

hotelnextBt = (ImageButton) findViewById(R.id.hotelnextBt);
hotelnextBt.setOnClickListener (new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        Intent i = new Intent
(getApplicationContext(),Hotelpage1.class);

        startActivity(i);

    }

});

}}

```

Hotelpage1.java:

```

package com.example.travelguideapp;

import android.app.Activity;
import android.content.Intent;
import android.media.MediaPlayer;
import android.os.Bundle;

```

```

import android.view.View;

import android.widget.Button;

import android.widget.ImageButton;

import android.widget.TextView;

public class Hotelpage1 extends Activity {

    TextView text1, text2, text3, text4, text5, text6, text7, text8, text9, text10, text11, text12,
    text13, text14, text15 ;

    ImageButton hotelaudio1_1 , hotelaudio1_2, hotelaudio1_3,
    hotelaudio1_4, hotelaudio1_5, hotelaudio1_6, hotelaudio1_7, hotelbackBt1, hotelnextBt1;

    Button hotelhomeBt1, hotelphraseBt1;

    protected void onCreate (Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.hotelpage1);

        //set up the button audio

        final MediaPlayer audio1 = MediaPlayer.create(this, R.raw.hotel9);
        final MediaPlayer audio2 = MediaPlayer.create(this, R.raw.hotel10);
        final MediaPlayer audio3 = MediaPlayer.create(this, R.raw.hotel11);
        final MediaPlayer audio4 = MediaPlayer.create(this, R.raw.hotel12);
        final MediaPlayer audio5 = MediaPlayer.create(this, R.raw.hotel13);
        final MediaPlayer audio6 = MediaPlayer.create(this, R.raw.hotel14);
        final MediaPlayer audio7 = MediaPlayer.create(this, R.raw.hotel15);

        hotelaudio1_1 = (ImageButton) findViewById(R.id.hotelaudio1_1);
        hotelaudio1_1.setOnClickListener (new View.OnClickListener() {

            @Override

            public void onClick(View v) {

                // TODO Auto-generated method stub

                if (audio1.isPlaying()){

                    audio1.pause();

                }

            }

        })
    }
}

```

```

        else {
            audio1.start();
        }
    }
});

```

```

hotelaudio1_2 = (ImageButton) findViewById(R.id.hotelaudio1_2);
hotelaudio1_2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        // TODO Auto-generated method stub
        if (audio2.isPlaying()){
            audio2.pause();
        }
        else {
            audio2.start();
        }
    }
});

```

```

hotelaudio1_3 = (ImageButton) findViewById(R.id.hotelaudio1_3);
hotelaudio1_3.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        // TODO Auto-generated method stub
        if (audio3.isPlaying()){
            audio3.pause();
        }
        else {

```



```

        audio3.start();
    }
}

});

hotelaudio1_4 = (ImageButton) findViewById(R.id.hotelaudio1_4);
hotelaudio1_4 .setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        if (audio4.isPlaying()){

            audio4.pause();

        }

        else {

            audio4.start();

        }

    }

});

```

```

hotelaudio1_5 = (ImageButton) findViewById(R.id.hotelaudio1_5);
hotelaudio1_5 .setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        if (audio5.isPlaying()){

            audio5.pause();

        }

        else {

            audio5.start();

        }

    }

});

```

```

    }
});

hotelaudio1_6 = (ImageButton) findViewById(R.id.hotelaudio1_6);
hotelaudio1_6.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        if (audio6.isPlaying()){

            audio6.pause();

        }

        else {

            audio6.start();

        }

    }

});

```

```

hotelaudio1_7 = (ImageButton) findViewById(R.id.hotelaudio1_7);
hotelaudio1_7.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        if (audio7.isPlaying()){

            audio7.pause();

        }

        else {

            audio7.start();

        }

    }

});

```

```
});
```

```
hotelbackBt1 = (ImageButton) findViewById(R.id.hotelbackBt1);
```

```
hotelbackBt1.setOnClickListener (new View.OnClickListener() {
```

```
    @Override
```

```
    public void onClick(View v) {
```

```
        Intent i = new Intent  
(getApplicationContext(),Hotelpage.class);
```

```
        startActivity(i);
```

```
    }
```

```
});
```

```
hotelhomeBt1 = (Button) findViewById(R.id.hotelhomeBt1);
```

```
hotelhomeBt1.setOnClickListener (new View.OnClickListener() {
```

```
    @Override
```

```
    public void onClick(View v) {
```

```
        Intent i = new Intent  
(getApplicationContext(),MainActivity.class);
```

```
        startActivity(i);
```

```
    }
```

```
});
```

```
hotelphraseBt1 = (Button) findViewById(R.id.hotelphraseBt1);
```

```
hotelphraseBt1.setOnClickListener (new View.OnClickListener() {
```

```
    @Override
```

```
    public void onClick(View v) {
```

```
        Intent i = new Intent (getApplicationContext(),Phrase.class);
```

```
        startActivity(i);
```

```
    }
```

```

    });

    hotelnextBt1 = (ImageButton) findViewById(R.id.hotelnextBt1);

    hotelnextBt1.setOnClickListener (new View.OnClickListener() {

        @Override

        public void onClick(View v) {

            Intent i = new Intent
(getApplicationContext(),Hotelpage2.class);

            startActivity(i);

        }

    });

}}

```

Hotelpage2.java:

```

package com.example.travelguideapp;

import android.app.Activity;
import android.content.Intent;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageButton;
import android.widget.TextView;

public class Hotelpage2 extends Activity {

    TextView text1, text2, text3, text4, text5, text6, text7, text8, text9, text10,
text11, text12 ;

    ImageButton hotelimageBt2_1 ,
hotelimageBt2_2,hotelimageBt2_3,hotelimageBt2_4,hotelimageBt2_5, hotelbackBt2,
hotelnextBt2;

    Button hotelhomeBt2, hotelphraseBt2;

    protected void onCreate (Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

```

```

setContentView(R.layout.hotelpage2);

text1 = (TextView)findViewById(R.id.hoteltextView2_1);
text2 = (TextView)findViewById(R.id.hoteltextView2_2);
text3 = (TextView)findViewById(R.id.hoteltextView2_3);
text4 = (TextView)findViewById(R.id.hoteltextView2_4);
text5 = (TextView)findViewById(R.id.hoteltextView2_5);
text6 = (TextView)findViewById(R.id.hoteltextView2_6);
text7 = (TextView)findViewById(R.id.hoteltextView2_7);
text8 = (TextView)findViewById(R.id.hoteltextView2_8);
text9 = (TextView)findViewById(R.id.hoteltextView2_9);
text10 = (TextView)findViewById(R.id.hoteltextView2_10);
text11 = (TextView)findViewById(R.id.hoteltextView2_11);
text12 = (TextView)findViewById(R.id.hoteltextView2_12);

//set up the button audio

final MediaPlayer audio1 = MediaPlayer.create(this, R.raw.hotel16);
final MediaPlayer audio2 = MediaPlayer.create(this, R.raw.hotel17);
final MediaPlayer audio3 = MediaPlayer.create(this, R.raw.hotel18);
final MediaPlayer audio4 = MediaPlayer.create(this, R.raw.hotel19);
final MediaPlayer audio5 = MediaPlayer.create(this, R.raw.hotel20);

hotelimageBt2_1 = (ImageButton) findViewById(R.id.hotelaudio2_1);
hotelimageBt2_1.setOnClickListener (new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        // TODO Auto-generated method stub
        if (audio1.isPlaying()){
            audio1.pause();
        }
        else {

```

```

        audio1.start();
    }
}

});

hotelimageBt2_2 = (ImageButton) findViewById(R.id.hotelaudio2_2);
hotelimageBt2_2.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        // TODO Auto-generated method stub
        if (audio2.isPlaying()){
            audio2.pause();
        }
        else {
            audio2.start();
        }
    }
});

hotelimageBt2_3 = (ImageButton) findViewById(R.id.hotelaudio2_3);
hotelimageBt2_3.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        // TODO Auto-generated method stub
        if (audio3.isPlaying()){
            audio3.pause();
        }
        else {
            audio3.start();
        }
    }
});

```

```

});

hotelimageBt2_4 = (ImageButton) findViewById(R.id.hotelaudio2_4);
hotelimageBt2_4 .setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        if (audio4.isPlaying()){

            audio4.pause();

        }

        else {

            audio4.start();

        }

    }

});

hotelimageBt2_5 = (ImageButton) findViewById(R.id.hotelaudio2_5);
hotelimageBt2_5 .setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        if (audio5.isPlaying()){

            audio5.pause();

        }

        else {

            audio5.start();

        }

    }

});

hotelbackBt2 = (ImageButton) findViewById(R.id.hotelbackBt2);
hotelbackBt2.setOnClickListener (new View.OnClickListener() {

```

```

        @Override
        public void onClick(View v) {
            Intent i = new Intent
(getApplicationContext(),Hotelpage1.class);
            startActivity(i);
        }
    });
    hotelhomeBt2 = (Button) findViewById(R.id.hotelhomeBt2);
    hotelhomeBt2.setOnClickListener (new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent i = new Intent
(getApplicationContext(),MainActivity.class);
            startActivity(i);
        }
    });
    hotelphraseBt2 = (Button) findViewById(R.id.hotelphraseBt2);
    hotelphraseBt2.setOnClickListener (new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Intent i = new Intent ((getApplicationContext(),Phrase.class);
            startActivity(i);
        }
    });
}
}

```

Restaurantphrase.java:

```

package com.example.travelguideapp;

import android.app.Activity;
import android.content.Intent;
import android.media.MediaPlayer;

```



```

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageButton;
import android.widget.ImageView;
import android.widget.TextView;

public class Restaurantphrase extends Activity {

    ImageView img1;

    TextView txt1, txt2, txt3, txt4, txt5, txt6,txt7,txt8;

    ImageButton bt1,bt2,bt3,bt4,bt5;

    Button bt6, bt7;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.restaurantphrase);


        ImageButton bt1 = (ImageButton)findViewById(R.id.restaurantphrase_audioButton1);
        ImageButton bt2 = (ImageButton)findViewById(R.id.restaurantphrase_audioButton2);
        ImageButton bt3 = (ImageButton)findViewById(R.id.restaurantphrase_audioButton3);
        ImageButton bt4 = (ImageButton)findViewById(R.id.restaurantphrase_backButton1);
        ImageButton bt5 = (ImageButton)findViewById(R.id.restaurantphrase_nextButton1);
        Button bt6 = (Button)findViewById(R.id.restaurantphrase_Homebutton);
        Button bt7 = (Button) findViewById(R.id.ResphraseBt);
        bt4.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View v) {

                // TODO Auto-generated method stub

                Intent i = new Intent(getApplicationContext(),Phrase.class);

                startActivity(i);
            }
        });
    }
}

```

```

        }

    });

    bt6.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View v) {

            // TODO Auto-generated method stub

            Intent i = new Intent(getApplicationContext(), MainActivity.class);

            startActivity(i);

        }

    });

    bt7.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View v) {

            // TODO Auto-generated method stub

            Intent i = new Intent(getApplicationContext(), Phrase.class);

            startActivity(i);

        }

    });

    bt5.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View v) {

            // TODO Auto-generated method stub

            Intent i = new
Intent(getApplicationContext(),Restaurantphrase2.class);

            startActivity(i);

        }

    });

    final MediaPlayer audio1 = MediaPlayer.create(this, R.raw.restaurant1);

    bt1.setOnClickListener (new View.OnClickListener() {

        @Override

```

```

        public void onClick(View v) {
            // TODO Auto-generated method stub
            if (audio1.isPlaying()){
                audio1.pause();
            }
            else {
                audio1.start();
            }
        }
    });

    final MediaPlayer audio2 = MediaPlayer.create(this, R.raw.restaurant2);
    bt2.setOnClickListener (new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            // TODO Auto-generated method stub
            if (audio2.isPlaying()){
                audio2.pause();
            }
            else {
                audio2.start();
            }
        }
    });

    final MediaPlayer audio3 = MediaPlayer.create(this, R.raw.restaurant3);
    bt3.setOnClickListener (new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            // TODO Auto-generated method stub
            if (audio3.isPlaying()){

```

```

                                audio3.pause();
                                }
                                else {
                                audio3.start();
                                }
                                }
                                }
                                ));
                                }}

```

Restaurantphrase2.java:

```

package com.example.travelguideapp;

import android.app.Activity;
import android.content.Intent;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageButton;
import android.widget.ImageView;

public class Restaurantphrase2 extends Activity{

    ImageView img2;

    ImageButton bt6,bt7,bt8,bt9,bt10,bt11,bt12,bt13;

    Button b1, b2 ;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.restaurantphrase2);

        b1 = (Button)findViewById(R.id.restaurantphrase_Homebutton);

        b2 = (Button)findViewById(R.id.ResphraseBt);

```

```

ImageButton bt6 = (ImageButton)findViewById(R.id.restaurantphrase_audioButton4);
ImageButton bt7 = (ImageButton)findViewById(R.id.restaurantphrase_audioButton5);
ImageButton bt8 = (ImageButton)findViewById(R.id.restaurantphrase_audioButton6);
ImageButton bt9 = (ImageButton)findViewById(R.id.restaurantphrase_audioButton7);
ImageButton bt10 = (ImageButton)findViewById(R.id.restaurantphrase_audioButton8);
ImageButton bt11 = (ImageButton)findViewById(R.id.restaurantphrase_audioButton9);
ImageButton bt12 = (ImageButton)findViewById(R.id.restaurantphrase_backButton1);
ImageButton bt13 = (ImageButton)findViewById(R.id.restaurantphrase_nextButton1);
bt13.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        Intent i = new Intent
(getApplicationContext(),Restaurantphrase3.class);

        startActivity(i);

    }

});

bt12.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        Intent i = new
Intent(getApplicationContext(),Restaurantphrase.class);

        startActivity(i);

    }

});

b1.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

```

```

        Intent i = new
Intent(getApplicationContext(),MainActivity.class);

        startActivity(i);

    }

});

b2.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        Intent i = new Intent(getApplicationContext(),Phrase.class);

        startActivity(i);

    }

});

final MediaPlayer audio1 = MediaPlayer.create(this, R.raw.restaurant4);

bt6.setOnClickListener (new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        if (audio1.isPlaying()){

            audio1.pause();

        }

        else {

            audio1.start();

        }

    }

});

final MediaPlayer audio2 = MediaPlayer.create(this, R.raw.restaurant5);

bt7.setOnClickListener (new View.OnClickListener() {

    @Override

```

```

        public void onClick(View v) {
            // TODO Auto-generated method stub
            if (audio2.isPlaying()){
                audio2.pause();
            }
            else {
                audio2.start();
            }
        }
    });

    final MediaPlayer audio3 = MediaPlayer.create(this, R.raw.restaurant6);

    bt8.setOnClickListener (new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            // TODO Auto-generated method stub
            if (audio3.isPlaying()){
                audio3.pause();
            }
            else {
                audio3.start();
            }
        }
    });

    final MediaPlayer audio4 = MediaPlayer.create(this, R.raw.restaurant7);

    bt9.setOnClickListener (new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            // TODO Auto-generated method stub
            if (audio4.isPlaying()){

```

```

        audio4.pause();
    }
    else {
        audio4.start();
    }
}

});

final MediaPlayer audio5 = MediaPlayer.create(this, R.raw.restaurant8);

bt10.setOnClickListener (new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        if (audio5.isPlaying()){

            audio5.pause();

        }

        else {

            audio5.start();

        }

    }

});

final MediaPlayer audio6 = MediaPlayer.create(this, R.raw.restaurant9);

bt11.setOnClickListener (new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        if (audio6.isPlaying()){

            audio6.pause();

        }

        else {

```



```

        audio6.start();
    }
}

});
}
}

```

Restaurantphrase3.java:

```

package com.example.travelguideapp;

import android.app.Activity;
import android.content.Intent;
import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageButton;
import android.widget.ImageView;

public class Restaurantphrase3 extends Activity{
    ImageView img3;

    ImageButton bt14, bt15, bt16, bt17, bt18, bt19, bt20, bt21, bt22, bt23;
    Button bt24, bt25;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.restaurantphrase3);

        ImageButton bt14 = (ImageButton)findViewById(R.id.restaurantphrase_audioButton10);
        ImageButton bt15 = (ImageButton)findViewById(R.id.restaurantphrase_audioButton11);
        ImageButton bt16 = (ImageButton)findViewById(R.id.restaurantphrase_audioButton12);
        ImageButton bt17 = (ImageButton)findViewById(R.id.restaurantphrase_audioButton13);
    }
}

```

```

ImageButton bt18 = (ImageButton)findViewById(R.id.restaurantphrase_audioButton14);
ImageButton bt19 = (ImageButton)findViewById(R.id.restaurantphrase_audioButton15);
ImageButton bt20 = (ImageButton)findViewById(R.id.restaurantphrase_audioButton16);
ImageButton bt22 = (ImageButton)findViewById(R.id.restaurantphrase_backButton3);

        bt24 = (Button)findViewById(R.id.Resphrase3Bt);
        bt25 = (Button)findViewById(R.id.restaurantphrase3_Homebutton);

```

```

bt24.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        Intent i = new Intent(getApplicationContext(),Phrase.class);
        startActivity(i);

    }

});

```

```

bt25.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        Intent i = new
Intent(getApplicationContext(),MainActivity.class);

        startActivity(i);

    }

});

```

```

bt22.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View v) {

        // TODO Auto-generated method stub

        Intent i = new
Intent(getApplicationContext(),Restaurantphrase2.class);

```

```

        startActivity(i);
    }

});

final MediaPlayer audio1 = MediaPlayer.create(this, R.raw.restaurant10);

    bt14.setOnClickListener (new View.OnClickListener() {

        @Override

        public void onClick(View v) {

            // TODO Auto-generated method stub

            if (audio1.isPlaying()){

                audio1.pause();

            }

            else {

                audio1.start();

            }

        }

    });

final MediaPlayer audio2 = MediaPlayer.create(this, R.raw.restaurant11);

    bt15.setOnClickListener (new View.OnClickListener() {

        @Override

        public void onClick(View v) {

            // TODO Auto-generated method stub

            if (audio2.isPlaying()){

                audio2.pause();

            }

            else {

                audio2.start();

            }

        }

    });

```

```

final MediaPlayer audio3 = MediaPlayer.create(this, R.raw.restaurant12);

    bt16.setOnClickListener (new View.OnClickListener() {

        @Override

        public void onClick(View v) {

            // TODO Auto-generated method stub

            if (audio3.isPlaying()){

                audio3.pause();

            }

            else {

                audio3.start();

            }

        }

    });

final MediaPlayer audio4 = MediaPlayer.create(this, R.raw.restaurant13);

    bt17.setOnClickListener (new View.OnClickListener() {

        @Override

        public void onClick(View v) {

            // TODO Auto-generated method stub

            if (audio4.isPlaying()){

                audio4.pause();

            }

            else {

                audio4.start();

            }

        }

    });

final MediaPlayer audio5 = MediaPlayer.create(this, R.raw.restaurant14);

    bt18.setOnClickListener (new View.OnClickListener() {

        @Override

```

```

        public void onClick(View v) {
            // TODO Auto-generated method stub
            if (audio5.isPlaying()){
                audio5.pause();
            }
            else {
                audio5.start();
            }
        }
    });

    final MediaPlayer audio6 = MediaPlayer.create(this, R.raw.restaurant15);

    bt19.setOnClickListener (new View.OnClickListener() {

        @Override
        public void onClick(View v) {
            // TODO Auto-generated method stub
            if (audio6.isPlaying()){
                audio6.pause();
            }
            else {
                audio6.start();
            }
        }
    });

    final MediaPlayer audio7 = MediaPlayer.create(this, R.raw.restaurant17);

    bt20.setOnClickListener (new View.OnClickListener() {

        @Override
        public void onClick(View v) {
            // TODO Auto-generated method stub
            if (audio7.isPlaying()){

```

```

                                audio7.pause();
                                }
                                else {
                                audio7.start();
                                }
                                }
                                }
                                ));}}

```

Route.java:

```

package com.example.travelguideapp;

import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStream;
import java.io.InputStreamReader;
import java.net.HttpURLConnection;
import java.net.URL;
import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;
import org.json.JSONObject;
import android.content.Intent;
import android.graphics.Color;
import android.os.AsyncTask;
import android.os.Bundle;
import android.support.v4.app.FragmentActivity;
import android.util.Log;
import android.view.Menu;
import android.view.View;
import android.widget.Button;

```

```

import android.widget.TextView;

import android.widget.Toast;

import com.google.android.gms.maps.CameraUpdate;
import com.google.android.gms.maps.CameraUpdateFactory;
import com.google.android.gms.maps.GoogleMap;
import com.google.android.gms.maps.GoogleMap.OnMapClickListener;
import com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.maps.model.BitmapDescriptorFactory;
import com.google.android.gms.maps.model.LatLng;
import com.google.android.gms.maps.model.MarkerOptions;
import com.google.android.gms.maps.model.PolylineOptions;

public class Route extends FragmentActivity{

    GoogleMap map;

    ArrayList<LatLng> markerPoints;

    TextView tvDistanceDuration;

    Button toHome;

    @Override

    public void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.route);

        tvDistanceDuration = (TextView) findViewById(R.id.tv_distance_time);

        toHome = (Button)findViewById(R.id.routehome);

        toHome.setOnClickListener(new View.OnClickListener() {

            @Override

            public void onClick(View v) {

                // TODO Auto-generated method stub

                Intent i = new Intent(getApplicationContext(),
MainActivity.class);

                startActivity(i);

            }

        }
    }

```

```

    });

    // Initializing
    markerPoints = new ArrayList<LatLng>();

    // Getting reference to SupportMapFragment of the activity_main
    SupportMapFragment fm =
    (SupportMapFragment)getSupportFragmentManager().findFragmentById(R.id.map);

    // Getting Map for the SupportMapFragment
    map = fm.getMap();

    // Enable MyLocation Button in the Map
    map.setMyLocationEnabled(true);

    CameraUpdate center=CameraUpdateFactory.newLatLng(new
    LatLng(22.3375,91.8389));

    CameraUpdate zoom=CameraUpdateFactory.zoomTo(12);

    map.moveCamera(center);

    map.animateCamera

// Setting onclick event listener for the map
    map.setOnMapClickListener(new OnMapClickListener() {

        @Override

        public void onMapClick(LatLng point) {

            // Already two locations
            if(markerPoints.size()>1){

                markerPoints.clear();

                map.clear();

            }

            // Adding new item to the ArrayList
            markerPoints.add(point);

            // Creating MarkerOptions
            MarkerOptions options = new MarkerOptions();

            // Setting the position of the marker
            options.position(point);

```



```

/**
 * For the start location, the color of marker is GREEN and
 * for the end location, the color of marker is RED.
 */
if(markerPoints.size()==1){

    options.icon(BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE
_GREEN));

    }else if(markerPoints.size()==2){

        options.icon(BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE
_RED));

    }

// Add new marker to the Google Map Android API V2
map.addMarker(options);

// Checks, whether start and end locations are captured
if(markerPoints.size() >= 2){
    LatLng origin = markerPoints.get(0);
    LatLng dest = markerPoints.get(1);
    // Getting URL to the Google Directions API
    String url = getDirectionsUrl(origin, dest);

    DownloadTask downloadTask = new DownloadTask();
    // Start downloading json data from Google Directions API
    downloadTask.execute(url);
}
}

});
}

```

```

private String getDirectionsUrl(LatLng origin,LatLng dest){

    // Origin of route

    String str_origin = "origin="+origin.latitude+","+origin.longitude;

    // Destination of route

    String str_dest = "destination="+dest.latitude+","+dest.longitude;

    // Sensor enabled

    String sensor = "sensor=false";

    // Building the parameters to the web service

    String parameters = str_origin+"&" +str_dest+"&" +sensor;

    // Output format

    String output = "json";

    // Building the url to the web service

    String url =
"https://maps.googleapis.com/maps/api/directions/" +output+"?" +parameters;

    return url;

}

/** A method to download json data from url */

private String downloadUrl(String strUrl) throws IOException{

    String data = "";

    InputStream iStream = null;

    HttpURLConnection urlConnection = null;

    try{

        URL url = new URL(strUrl);

        // Creating an http connection to communicate with url

        urlConnection = (HttpURLConnection) url.openConnection();

        // Connecting to url

        urlConnection.connect();

        // Reading data from url

        iStream = urlConnection.getInputStream();

        BufferedReader br = new BufferedReader(new InputStreamReader(iStream));

```

```

StringBuffer sb = new StringBuffer();
String line = "";

        while( ( line = br.readLine()) != null){

            sb.append(line);

        }

        data = sb.toString;

br.close();
}catch(Exception e){

        Log.d("Exception while downloading url", e.toString());

    }finally{

        iStream.close();

        urlConnection.disconnect();

    }

    return data;

}

// Fetches data from url passed

private class DownloadTask extends AsyncTask<String, Void, String>{

    // Downloading data in non-ui thread

    @Override

    protected String doInBackground(String... url) {

        // For storing data from web service

        String data = "";

        try{

            // Fetching the data from web service

            data = downloadUrl(url[0]);

        }catch(Exception e){

            Log.d("Background Task",e.toString());

        }

        return data;
    }
}

```

```

    }

    // Executes in UI thread, after the execution of
    // doInBackground()

    @Override

    protected void onPostExecute(String result) {

        super.onPostExecute(result);

        ParserTask parserTask = new ParserTask();

        // Invokes the thread for parsing the JSON data

        parserTask.execute(result);

    }

}

/** A class to parse the Google Places in JSON format */

private class ParserTask extends AsyncTask<String, Integer,
List<List<HashMap<String,String>>>> >{

    // Parsing the data in non-ui thread

    @Override

    protected List<List<HashMap<String, String>>>> doInBackground(String...
jsonData) {

        JSONObject jObject;

        List<List<HashMap<String, String>>>> routes = null;

        try{

            jObject = new JSONObject(jsonData[0]);

            DirectionsJSONParser parser = new DirectionsJSONParser();

            // Starts parsing data

            routes = parser.parse(jObject);

        }catch(Exception e){

            e.printStackTrace();

        }

        return routes;

    }

}

```

```

// Executes in UI thread, after the parsing process

@Override

protected void onPostExecute(List<List<HashMap<String, String>>> result) {

    ArrayList<LatLng> points = null;

    PolylineOptions lineOptions = null;

    //MarkerOptions markerOptions = new MarkerOptions();

    String distance = "";

    String duration = "";

    if(result.size()<1){

        Toast.makeText(getApplicationContext(), "No Points",
Toast.LENGTH_SHORT).show();

        return;

    }

    // Traversing through all the routes

    for(int i=0;i<result.size();i++){

        points = new ArrayList<LatLng>();

        lineOptions = new PolylineOptions();

        // Fetching i-th route

        List<HashMap<String, String>> path = result.get(i);

        // Fetching all the points in i-th route

        for(int j=0;j<path.size();j++){

            HashMap<String,String> point = path.get(j);

            if(j==0){        // Get distance from the list

                distance = (String)point.get("distance");

                continue;

```

```

        }else if(j==1){ // Get duration from the list

            duration = (String)point.get("duration");

            continue;

        }

        double lat = Double.parseDouble(point.get("lat"));

        double lng = Double.parseDouble(point.get("lng"));

        LatLng position = new LatLng(lat, lng);

        points.add(position);

    }

    // Adding all the points in the route to LineOptions

    lineOptions.addAll(points);

    lineOptions.width(2);

    lineOptions.color(Color.RED);

    }

    System.out.println(distance);

    String str = distance.replaceAll("[^\\.0123456789]", "");

    double dst = Double.parseDouble(str);

    double busF= dst*4;

    double CNGF = dst*20;

    double rckF=dst*10;

    tvDistanceDuration.setText("Distance:"+dst + " km,
Duration:"+duration+"\n\n"+"Bus Fare:"+busF+" tk"+"\\n"+"CNG Fare:"+CNGF+" tk" + "\\n"
+ "Rickshaw Fare:"+rckF+" tk"+"\\n");

    // Drawing polyline in the Google Map for the i-th route

    map.addPolyline(lineOptions);

    }

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

    // Inflate the menu; this adds items to the action bar if it is present.

```

```

        getMenuInflater().inflate(R.menu.main, menu);

        return true;
    }
}

```

DirectionsJSONParser.java:

```

package com.example.travelguideapp;

import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;

import org.json.JSONArray;
import org.json.JSONException;
import org.json.JSONObject;
import com.google.android.gms.maps.model.LatLng;

public class DirectionsJSONParser {

    /** Receives a JSONObject and returns a list of lists containing latitude and longitude
    */

    public List<List<HashMap<String,String>>>> parse(JSONObject jObject){

        List<List<HashMap<String, String>>>> routes = new
        ArrayList<List<HashMap<String,String>>>>() ;

        JSONArray jRoutes = null;
        JSONArray jLegs = null;
        JSONArray jSteps = null;
        JSONObject jDistance = null;
        JSONObject jDuration = null;

        try {

            jRoutes = jObject.getJSONArray("routes");

            /** Traversing all routes */

            for(int i=0;i<jRoutes.length();i++){

```

```

jLegs = ( (JSONObject)jRoutes.get(i)).getJSONArray("legs");

List<HashMap<String, String>> path = new
ArrayList<HashMap<String, String>>();

/** Traversing all legs */
for(int j=0;j<jLegs.length();j++){

    /** Getting distance from the json data */
    jDistance = ((JSONObject)
jLegs.get(j)).getJSONObject("distance");

    HashMap<String, String> hmDistance = new
HashMap<String, String>();

    hmDistance.put("distance", jDistance.getString("text"));

    /** Getting duration from the json data */
    jDuration = ((JSONObject)
jLegs.get(j)).getJSONObject("duration");

    HashMap<String, String> hmDuration = new
HashMap<String, String>();

    hmDuration.put("duration",
jDuration.getString("text"));

    /** Adding distance object to the path */
    path.add(hmDistance);

    /** Adding duration object to the path */
    path.add(hmDuration);

jSteps = ( (JSONObject)jLegs.get(j)).getJSONArray("steps");

/** Traversing all steps */
for(int k=0;k<jSteps.length();k++){

    String polyline = "";

    polyline =
(String)((JSONObject)((JSONObject)jSteps.get(k)).get("polyline")).get("points");

```



```

        List<LatLng> list = decodePoly(polyline);

        /** Traversing all points */
        for(int l=0;l<list.size();l++){

            HashMap<String, String> hm = new
HashMap<String, String>();

            hm.put("lat",
Double.toString(((LatLng)list.get(l)).latitude) );

            hm.put("lng",
Double.toString(((LatLng)list.get(l)).longitude) );

            path.add(hm);

        }

    }

    routes.add(path);

}

} catch (JSONException e) {

    e.printStackTrace();

} catch (Exception e){

}

return routes;

}

/**

 * Method to decode polyline points

 * Courtesy : jeffreysambells.com/2010/05/27/decoding-polylines-from-google-maps-
direction-api-with-java

 * */

private List<LatLng> decodePoly(String encoded) {

List<LatLng> poly = new ArrayList<LatLng>();

```

```

    int index = 0, len = encoded.length();

    int lat = 0, lng = 0;

    while (index < len) {
        int b, shift = 0, result = 0;

        do {
            b = encoded.charAt(index++) - 63;

            result |= (b & 0x1f) << shift;

            shift += 5;
        } while (b >= 0x20);

        int dlat = ((result & 1) != 0 ? ~(result >> 1) : (result >> 1));

        lat += dlat;

        shift = 0;

        result = 0;

        do {
            b = encoded.charAt(index++) - 63;

            result |= (b & 0x1f) << shift;

            shift += 5;
        } while (b >= 0x20);

        int dlng = ((result & 1) != 0 ? ~(result >> 1) : (result >> 1));

        lng += dlng;

        LatLng p = new LatLng((((double) lat / 1E5)),
                               (((double) lng / 1E5)));

        poly.add(p);
    }

    return poly;
}
}

```

activity_main.xml page:

```
<RelativeLayout 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:background="@drawable/ic_launcher"
    tools:context="com.example.travelguideapp.MainActivity" >
```

<TextView

```
    android:id="@+id/mainpagetextView1"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentRight="true"
    android:layout_alignParentTop="true"
    android:background="#0080ff"
    android:gravity="center"
    android:text="Travel Guide"
    android:textStyle="bold"
    android:textColor="#FFFFFF"
    android:textSize="40dp" />
```

<Button

```
    android:id="@+id/mainpagebutton2"
    android:layout_width="300dp"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_alignParentRight="true"
    android:background="#FFFFFF"
    android:text="Search Transport Medium"
    android:textColor="#0080ff"
    android:textSize="25dp"
    android:textStyle="bold" />
```

<Button

```
    android:id="@+id/mainpagebutton1"
    android:layout_width="180dp"
    android:layout_height="wrap_content"
    android:layout_above="@+id/mainpagebutton2"
    android:layout_alignParentRight="true"
    android:layout_marginRight="50dp"
    android:background="#FFFFFF"
    android:text="Phrases"
    android:textColor="#0080ff"
    android:textSize="30dp"
    android:textStyle="bold" />
```

```
</RelativeLayout>
```

phrase.xml:

```
<RelativeLayout 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:background="@drawable/color"
    tools:context="com.example.travelguide.MainActivity" >
```

```
<Button
    android:id="@+id/phrasebutton1"
    android:layout_width="200dp"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/phrasebutton4"
    android:layout_centerVertical="true"
    android:textColor="#0080ff"
    android:textStyle="bold"
    android:background="#f3f6ff"
    android:textSize="25dp"
    android:text="Restaurant" />
```

```
<Button
    android:id="@+id/phrasebutton2"
    android:layout_width="200dp"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/phrasebutton1"
    android:layout_below="@+id/phrasebutton1"
    android:layout_marginTop="22dp"
    android:textColor="#0080ff"
    android:textStyle="bold"
    android:background="#f3f6ff"
    android:textSize="25dp"
    android:text="Bus" />
```

```
<Button
    android:id="@+id/phrasebutton3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/phrasebutton2"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="44dp"
    android:textColor="#f3f6ff"
    android:textStyle="bold"
    android:background="#0080ff"
    android:textSize="25dp"
    android:text="Home" />
```

```
<Button
    android:id="@+id/phrasebutton4"
```

```

android:layout_width="200dp"
android:layout_height="wrap_content"
android:layout_above="@+id/phrasebutton1"
android:layout_centerHorizontal="true"
android:layout_marginBottom="30dp"
android:textColor="#0080ff"
android:background="#f3f6ff"
android:textStyle="bold"
android:textSize="25dp"
android:text="Hotel" />

```

<TextView

```

android:id="@+id/phrasetextView1"
android:layout_width="400dp"
android:layout_height="wrap_content"
android:layout_alignParentTop="true"
android:layout_centerHorizontal="true"
android:background="#0080ff"
android:textColor="#f3f6ff"
android:gravity="center"
android:text="Phrases"
android:textStyle="bold"
android:textSize="40dp" />

```

</RelativeLayout>

bus.xml:

<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"

```

android:layout_width="fill_parent"
android:layout_height="fill_parent"
>

```

<LinearLayout

```

android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:orientation="vertical">

```

<TextView

```

android:id="@+id/bus_textView1"
android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:background="#0080ff"
android:gravity="center"
android:text="Bus Phrase"
android:textColor="#f3f6ff"
android:textSize="30dp"

```

```
android:textStyle="bold" />
```

<ImageView

```
android:id="@+id/bus_imageView1"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_centerHorizontal="true"  
android:layout_gravity="center"  
android:src="@drawable/bus" />
```

<LinearLayout

```
android:layout_width="fill_parent"  
android:layout_height="wrap_content"  
android:orientation="vertical">
```

<TextView

```
android:id="@+id/bus_textView2"  
android:layout_width="260dp"  
android:layout_height="wrap_content"  
android:layout_marginLeft="15dp"  
android:layout_marginTop="20dp"  
android:text="Traveller: Hi, Can you please tell me where is the bus no x?"  
android:textAppearance="?android:attr/textAppearanceSmall"  
android:textColor="#00217a" />
```

<LinearLayout

```
android:layout_width="fill_parent"  
android:layout_height="wrap_content"  
android:orientation="horizontal" >
```

<TextView

```
android:id="@+id/bus_textView3"  
android:layout_width="260dp"  
android:layout_height="wrap_content"  
android:layout_marginLeft="15dp"  
android:text="Translation: Hi, Apni ki amake bolte parben bus no x ta kothay?"  
android:textColor="#eb3c46" />
```

<ImageButton

```
android:id="@+id/bus_imageButton1"  
android:layout_width="30dp"  
android:layout_height="30dp"  
android:layout_marginLeft="10dp"  
android:src="@android:drawable/ic_lock_silent_mode_off"  
android:background="#0080ff" />
```

</LinearLayout>

<TextView

```

android:id="@+id/bus_textView4"
android:layout_width="260dp"
android:layout_height="wrap_content"
android:layout_marginLeft="15dp"
android:layout_marginTop="30dp"
android:text="Person: There it is."
android:textAppearance="?android:attr/textAppearanceSmall"
android:textColor="#00217a" />

```

```

<LinearLayout

```

```

    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="horizontal" >

```

```

<TextView

```

```

    android:id="@+id/bus_textView5"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:text="Translation: Eta oi dike. "
    android:textAppearance="?android:attr/textAppearanceSmall"
    android:textColor="#eb3c46" />

```

```

<ImageButton

```

```

    android:id="@+id/bus_imageButton2"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />

```

```

</LinearLayout>

```

```

<TextView

```

```

android:id="@+id/bus_textView6"
android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginTop="30dp"
    android:layout_marginLeft="15dp"
    android:text="Bus Conductor: Where will you go?"
    android:textColor="#00217a" />

```

```

<LinearLayout

```

```

    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="horizontal">

```

```

<TextView

```

```

    android:id="@+id/bus_textView7"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"

```

```
        android:text="Translation: Apni kothay jaben?"  
        android:textColor="#eb3c46" />
```

<ImageButton

```
        android:id="@+id/bus_imageButton3"  
        android:layout_width="30dp"  
        android:layout_height="30dp"  
        android:layout_marginLeft="10dp"  
        android:src="@android:drawable/ic_lock_silent_mode_off"  
        android:background="#0080ff" />
```

</LinearLayout>

<TextView

```
        android:id="@+id/hoteltextView8"  
        android:layout_width="260dp"  
        android:layout_height="wrap_content"  
        android:layout_marginTop="10dp"  
        android:layout_marginLeft="15dp"  
        android:text="Traveller: I will go to GEC."  
        android:textColor="#00217a" />
```

<LinearLayout

```
        android:layout_width="fill_parent"  
        android:layout_height="fill_parent"  
        android:orientation="horizontal">
```

<TextView

```
        android:id="@+id/hoteltextView9"  
        android:layout_width="260dp"  
        android:layout_height="wrap_content"  
        android:layout_marginLeft="15dp"  
        android:text="Translation: Ami GEC jabo."  
        android:textColor="#eb3c46" />
```

<ImageButton

```
        android:id="@+id/bus_imageButton4"  
        android:layout_width="30dp"  
        android:layout_height="30dp"  
        android:layout_marginLeft="10dp"  
        android:src="@android:drawable/ic_lock_silent_mode_off"  
        android:background="#0080ff" />
```

</LinearLayout>

<TextView

```
        android:id="@+id/bus_textView10"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:layout_marginTop="40dp"
```



```
android:layout_marginLeft="15dp"  
android:text="Bus Conductor: Please, give me your fare."  
android:textColor="#00217a" />
```

<LinearLayout

```
android:layout_width="fill_parent"  
android:layout_height="fill_parent"  
android:orientation="horizontal" >
```

<TextView

```
android:id="@+id/bus_textView11"  
android:layout_width="260dp"  
    android:layout_height="wrap_content"  
android:layout_marginLeft="15dp"
```

```
android:text="Translation: Apnar bhara din."  
android:textColor="#eb3c46" />
```

<ImageButton

```
android:id="@+id/bus_imageButton5"  
android:layout_width="30dp"  
android:layout_height="30dp"  
android:background="#0080ff"  
android:layout_marginLeft="10dp"  
android:src="@android:drawable/ic_lock_silent_mode_off" />
```

</LinearLayout>

<TextView

```
android:id="@+id/bus_textView12"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginTop="10dp"  
android:layout_marginLeft="15dp"  
android:text="Traveller: Hi, take the fare."  
android:textColor="#00217a" />
```

<LinearLayout

```
android:layout_width="fill_parent"  
android:layout_height="fill_parent"  
android:orientation="horizontal" >
```

<TextView

```
android:id="@+id/bus_textView13"  
android:layout_width="260dp"  
    android:layout_height="wrap_content"  
android:layout_marginLeft="15dp"  
android:text="Translation: Bhara ta nin."  
android:textColor="#eb3c46" />
```

<ImageButton

```

        android:id="@+id/bus_imageButton6"
        android:layout_width="30dp"
        android:layout_height="30dp"
        android:background="#0080ff"
        android:layout_marginLeft="10dp"
        android:src="@android:drawable/ic_lock_silent_mode_off" />
    </LinearLayout>

</LinearLayout>

<RelativeLayout
    android:layout_width="fill_parent"
    android:layout_height="150dp" >

    <Button
        android:id="@+id/bus_homeBt"
        android:layout_width="wrap_content"
        android:layout_height="35dp"
        android:layout_alignParentBottom="true"
        android:layout_alignParentLeft="true"
        android:background="#0080ff"
        android:text="Home"
        android:textStyle="bold"
        android:textColor="#f3f6ff" />

    <Button
        android:id="@+id/bus_phraseBt"
        android:layout_width="wrap_content"
        android:layout_height="35dp"
        android:layout_alignParentBottom="true"
        android:layout_alignParentRight="true"
        android:background="#0080ff"
        android:text="Phrases"
        android:textStyle="bold"
        android:textColor="#f3f6ff" />

    <ImageButton
        android:id="@+id/bus_backBt"
        android:layout_width="35dp"
        android:layout_height="35dp"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:background="#0080ff"
        android:src="@android:drawable/ic_media_previous" />

    </RelativeLayout>
</LinearLayout>
</ScrollView>

```

hotelpage.xml:

```
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
```

```
    android:layout_width="fill_parent"
```

```
    android:layout_height="fill_parent"
```

```
>
```

```
<LinearLayout
```

```
    android:layout_width="fill_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:orientation="vertical">
```

```
<TextView
```

```
    android:id="@+id/hoteltextView1"
```

```
    android:layout_width="fill_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_alignParentLeft="true"
```

```
    android:layout_alignParentTop="true"
```

```
    android:gravity="center"
```

```
    android:text="Booking the Hotel"
```

```
    android:background="#0080ff"
```

```
    android:textColor="#f3f6ff"
```

```
    android:textSize="30dp"
```

```
    android:textStyle="bold" />
```

```
<LinearLayout
```

```
    android:layout_width="fill_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:orientation="vertical">
```

```
<TextView
```

```
    android:id="@+id/hoteltextView2"
```

```
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_below="@+id/hoteltextView1"
```

```
    android:layout_marginTop="20dp"
```

```
    android:layout_marginLeft="15dp"
```

```
    android:text="Hotel Manager: Can I help you?"
```

```
    android:textAppearance="?android:attr/textAppearanceSmall"
```

```
    android:textColor="#00217a" />
```

```
<LinearLayout
```

```
    android:layout_width="fill_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:orientation="horizontal" >
```

```
<TextView
```

```
    android:id="@+id/hoteltextView3"
```

```
    android:layout_width="260dp"
```

```
android:layout_height="wrap_content"
android:layout_marginLeft="15dp"
android:text="Translation: Ami ki apnake sahajjo korte pari?"
android:textColor="#eb3c46" />
```

<ImageButton

```
android:id="@+id/hotelaudio1"
android:layout_width="30dp"
android:layout_height="30dp"
android:layout_marginLeft="10dp"
android:src="@android:drawable/ic_lock_silent_mode_off"
android:background="#0080ff" />
```

</LinearLayout>

<TextView

```
android:id="@+id/hoteltextView4"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginLeft="15dp"
android:layout_marginTop="10dp"
android:text="Traveller: I would like a room for tonight."
android:textAppearance="?android:attr/textAppearanceSmall"
android:textColor="#00217a" />
```

<LinearLayout

```
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:orientation="horizontal" >
```

<TextView

```
android:id="@+id/hoteltextView5"
android:layout_width="260dp"
android:layout_height="wrap_content"
android:layout_marginLeft="15dp"
android:text="Translation: Amar ajke rater jonno ekta room chai."
android:textAppearance="?android:attr/textAppearanceSmall"
android:textColor="#eb3c46" />
```

<ImageButton

```
android:id="@+id/hotelaudio2"
android:layout_width="30dp"
android:layout_height="30dp"
android:layout_marginLeft="10dp"
android:background="#0080ff"
android:src="@android:drawable/ic_lock_silent_mode_off" />
```

</LinearLayout>

<TextView

```

        android:id="@+id/hoteltextView6"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="60dp"
        android:layout_marginLeft="15dp"
        android:text="Hotel: What kind of room would you like?"
        android:textColor="#00217a" />
        <LinearLayout
            android:layout_width="fill_parent"
            android:layout_height="fill_parent"
            android:orientation="horizontal">

            <TextView
                android:id="@+id/hoteltextView7"
                android:layout_width="260dp"
                android:layout_height="wrap_content"
                android:layout_marginLeft="15dp"
                android:text="Translation: Apni kon type er room chan?"
                android:textColor="#eb3c46" />

            <ImageButton
                android:id="@+id/hotelaudio3"
                android:layout_width="30dp"
                android:layout_height="30dp"
                android:layout_marginLeft="10dp"
                android:src="@android:drawable/ic_lock_silent_mode_off"
                android:background="#0080ff" />

        </LinearLayout>

        <TextView
            android:id="@+id/hoteltextView8"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginTop="10dp"
            android:layout_marginLeft="15dp"
            android:text="Traveller: I'd like a single room, please"
            android:textColor="#00217a" />
        <LinearLayout
            android:layout_width="fill_parent"
            android:layout_height="fill_parent"
            android:orientation="horizontal">

        <TextView
            android:id="@+id/hoteltextView9"
            android:layout_width="260dp"
            android:layout_height="wrap_content"
            android:layout_marginLeft="15dp"
            android:text="Translation: Amar ekta single room lagbe."

```

```
android:textColor="#eb3c46" />
```

```
<ImageButton
```

```
    android:id="@+id/hotelaudio4"  
    android:layout_width="30dp"  
    android:layout_height="30dp"  
    android:layout_marginLeft="10dp"  
    android:src="@android:drawable/ic_lock_silent_mode_off"  
    android:background="#0080ff" />
```

```
</LinearLayout>
```

```
<TextView
```

```
    android:id="@+id/hoteltextView10"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginTop="60dp"  
    android:layout_marginLeft="15dp"  
    android:text="Hotel: Ok, single room is available here."  
    android:textColor="#00217a" />
```

```
<LinearLayout
```

```
    android:layout_width="fill_parent"  
    android:layout_height="fill_parent"  
    android:orientation="horizontal" >
```

```
<TextView
```

```
    android:id="@+id/hoteltextView16"  
    android:layout_width="260dp"  
    android:layout_height="wrap_content"  
    android:layout_marginLeft="15dp"  
    android:text="Translation: Ok, amader ekta single room khali ache."  
    android:textColor="#eb3c46" />
```

```
<ImageButton
```

```
    android:id="@+id/hotelaudio5"  
    android:layout_width="30dp"  
    android:layout_height="30dp"  
    android:layout_marginLeft="10dp"  
    android:background="#0080ff"  
    android:src="@android:drawable/ic_lock_silent_mode_off" />
```

```
</LinearLayout>
```

```
<TextView
```

```
    android:id="@+id/hoteltextView12"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginTop="10dp"
```

```

        android:layout_marginLeft="15dp"
        android:text="Traveller: How much for the single room?"
        android:textColor="#00217a" />
    <LinearLayout
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:orientation="horizontal" >

        <TextView
            android:id="@+id/textView1"
            android:layout_width="260dp"
            android:layout_height="wrap_content"
            android:layout_marginLeft="15dp"
            android:text="Translation: Single room er jonno bhara koto?"
            android:textColor="#eb3c46" />

        <ImageButton
            android:id="@+id/hotelaudio06"
            android:layout_width="30dp"
            android:layout_height="30dp"
            android:background="#0080ff"
            android:layout_marginLeft="10dp"
            android:src="@android:drawable/ic_lock_silent_mode_off" />
    </LinearLayout>

    <TextView
        android:id="@+id/hoteltextView13"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="15dp"
        android:layout_marginTop="60dp"
        android:text="Hotel: 5000 taka including tax."
        android:textColor="#00217a" />

    <LinearLayout
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:orientation="horizontal" >

        <TextView
            android:id="@+id/textView2"
            android:layout_width="260dp"
            android:layout_height="wrap_content"
            android:layout_marginLeft="15dp"
            android:textColor="#eb3c46"
            android:text="Translation: Tax soho pach hazar taka." />

        <ImageButton
            android:id="@+id/hotelaudio7"
            android:layout_width="30dp"
            android:layout_height="30dp"

```

```
        android:background="#0080ff"
        android:layout_marginLeft="10dp"
        android:src="@android:drawable/ic_lock_silent_mode_off" />
    </LinearLayout>
```

```
    <TextView
        android:id="@+id/hoteltextView14"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        android:layout_marginLeft="15dp"
        android:text="Traveller: OK, I'll take a room for tonight."
        android:textColor="#00217a" />
```

```
    <LinearLayout
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:orientation="horizontal" >
```

```
        <TextView
            android:id="@+id/hoteltextView15"
            android:layout_width="260dp"
            android:layout_height="wrap_content"
            android:layout_marginLeft="15dp"
            android:textColor="#eb3c46"
            android:text="Translation: Thik ache. Ami ajke rater jonno ekta room nibo."
            />
```

```
        <ImageButton
            android:id="@+id/hotelaudio8"
            android:layout_width="30dp"
            android:layout_height="30dp"
            android:layout_marginLeft="10dp"
            android:src="@android:drawable/ic_lock_silent_mode_off"
            android:background="#0080ff" />
```

```
    </LinearLayout>
```

```
</LinearLayout>
```

```
    <RelativeLayout
        android:layout_width="fill_parent"
        android:layout_height="150dp" >
```

```
        <ImageButton
            android:id="@+id/hotelbackBt"
            android:layout_width="35dp"
            android:layout_height="35dp"
            android:layout_alignParentBottom="true"
            android:layout_alignParentLeft="true"
            android:background="#0080ff"
```



```
android:src="@android:drawable/ic_media_previous" />
```

<ImageButton

```
android:id="@+id/hotelnextBt"  
android:layout_width="35dp"  
android:layout_height="35dp"  
android:layout_alignParentBottom="true"  
android:layout_alignParentRight="true"  
android:background="#0080ff"  
android:src="@android:drawable/ic_media_next" />
```

<Button

```
android:id="@+id/hotelhomeBt"  
android:layout_width="wrap_content"  
android:layout_height="35dp"  
android:layout_alignParentBottom="true"  
android:layout_marginLeft="42dp"  
android:layout_toRightOf="@+id/hotelbackBt"  
android:background="#0080ff"  
android:textColor="#f3f6ff"  
android:textStyle="bold"  
android:text="Home" />
```

<Button

```
android:id="@+id/hotelphraseBt"  
android:layout_width="wrap_content"  
android:layout_height="35dp"  
android:layout_alignParentBottom="true"  
android:layout_marginRight="38dp"  
android:layout_toLeftOf="@+id/hotelnextBt"  
android:textStyle="bold"  
android:background="#0080ff"  
android:textColor="#f3f6ff"  
android:text="Phrases" />
```

```
</RelativeLayout>
```

```
</LinearLayout>
```

```
</ScrollView>
```

hotelpage1.xml:

```
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
```

```
android:layout_width="fill_parent"
```

```
android:layout_height="fill_parent"
```

```
>
```

```
<LinearLayout
```

```
android:layout_width="fill_parent"
```

```
    android:layout_height="wrap_content"
    android:orientation="vertical"
    >
```

```
<TextView
    android:id="@+id/hoteltextView1_1"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:background="#0080ff"
    android:gravity="center"
    android:text="Checking in"
    android:textColor="#f3f6ff"
    android:textSize="30dp"
    android:textStyle="bold" />
```

```
<TextView
    android:id="@+id/hoteltextView1_2"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="20dp"
    android:text="Traveler: Hi, my name is X. I have a reservation for tonight."
    android:textAppearance="?android:attr/textAppearanceSmall"
    android:textColor="#00217a" />
```

```
<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal" >
```

```
<TextView
    android:id="@+id/hoteltextView1_3"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:text="Translation: Hi, amar nam X. Amar ajke rater ekta reservation ache."
    android:textAppearance="?android:attr/textAppearanceSmall"
    android:textColor="#eb3c46" />
```

```
<ImageButton
    android:id="@+id/hotelaudio1_1"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />
```

```

</LinearLayout>

<TextView
    android:id="@+id/hoteltextView1_4"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="30dp"
    android:text="Hotel: Let me check. OK, yes. A single room is reserved for you for one
night."
    android:textAppearance="?android:attr/textAppearanceSmall"
    android:textColor="#00217a" />

<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal" >

<TextView
    android:id="@+id/hoteltextView1_5"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:text="Translation: Ok, amake ektu check korte din. Ha, apnar jonno ajke rate
ekta single room reserved kora ache."
    android:textAppearance="?android:attr/textAppearanceSmall"
    android:textColor="#eb3c46" />

<ImageButton
    android:id="@+id/hotelaudio1_2"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />
</LinearLayout>

<TextView
    android:id="@+id/hoteltextView1_6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="25dp"
    android:text="Traveler: That's right."
    android:textColor="#00217a" />

<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal" >

<TextView

```

```

        android:id="@+id/hoteltextView1_7"
        android:layout_width="260dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="15dp"
        android:text="Translation: Thik ache."
        android:textColor="#eb3c46" />
<ImageButton
    android:id="@+id/hotelaudio1_3"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />
</LinearLayout>

<TextView
    android:id="@+id/hoteltextView1_8"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="15dp"
    android:text="Hotel: Your room no is 408."
    android:textColor="#00217a" />
<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal" >
<TextView
    android:id="@+id/hoteltextView1_9"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:text="Translation: Apnar room no holo 408."
    android:textColor="#eb3c46" />
<ImageButton
    android:id="@+id/hotelaudio1_4"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />
</LinearLayout>

<TextView
    android:id="@+id/hoteltextView1_10"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"

```

```

        android:layout_marginTop="20dp"
        android:text="Traveler: Do I need to pay now or when I check out."
        android:textColor="#00217a" />
<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal" >
<TextView
    android:id="@+id/hoteltextView1_11"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:text="Translation: Amake ki ekhn pay korte hobe naki check out er somoy?""
    android:textColor="#eb3c46" />
<ImageButton
    android:id="@+id/hotelaudio1_5"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />
</LinearLayout>

<TextView
    android:id="@+id/hoteltextView1_12"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="21dp"
    android:text="Hotel: Yes, you have to pay now."
    android:textColor="#00217a" />
<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal" >
<TextView
    android:id="@+id/hoteltextView1_13"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:text="Translation: Ha, apnake ekhn pay korte hobe."
    android:textColor="#eb3c46" />
<ImageButton
    android:id="@+id/hotelaudio1_6"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />

```

</LinearLayout>

<TextView

android:id="@+id/hoteltextView1_14"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginLeft="15dp"
android:layout_marginTop="21dp"
android:text="Traveler: All right. Take the payment"
android:textColor="#00217a" />

<LinearLayout

android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:orientation="horizontal" >

<TextView

android:id="@+id/hoteltextView1_15"
android:layout_width="260dp"
android:layout_height="wrap_content"
android:layout_marginLeft="15dp"
android:text="Translation: Thik ache. Payment ta nin."
android:textColor="#eb3c46" />

<ImageButton

android:id="@+id/hotelaudio1_7"
android:layout_width="30dp"
android:layout_height="30dp"
android:layout_marginLeft="10dp"
android:src="@android:drawable/ic_lock_silent_mode_off"
android:background="#0080ff" />

</LinearLayout>

<RelativeLayout android:layout_width="fill_parent" android:layout_height="150dp">

<ImageButton

android:id="@+id/hotelbackBt1"
android:layout_width="35dp"
android:layout_height="35dp"
android:layout_alignParentBottom="true"
android:layout_alignParentLeft="true"
android:layout_marginTop="100dp"
android:background="#0080ff"
android:src="@android:drawable/ic_media_previous"/>

<ImageButton android:id="@+id/hotelnextBt1" android:layout_width="35dp"
android:layout_height="35dp" android:layout_alignParentBottom="true"
android:layout_alignParentRight="true" android:background="#0080ff"
android:src="@android:drawable/ic_media_next"/>

<Button

android:id="@+id/hotelhomeBt1"
android:layout_width="wrap_content"
android:layout_height="35dp"

```

    android:layout_alignParentBottom="true"
    android:layout_marginLeft="45dp"
    android:layout_toRightOf="@+id/hotelbackBt1"
    android:background="#0080ff"
    android:textColor="#f3f6ff"
    android:textStyle="bold"
    android:text="Home" />

```

<Button

```

    android:id="@+id/hotelphraseBt1"
    android:layout_width="wrap_content"
    android:layout_height="35dp"
    android:layout_alignParentBottom="true"
    android:layout_marginRight="32dp"
    android:layout_toLeftOf="@+id/hotelnextBt1"
    android:background="#0080ff"
    android:textColor="#f3f6ff"
    android:textStyle="bold"
    android:text="Phrases" />

```

</RelativeLayout>

</LinearLayout>

</ScrollView>

hotelpage2.xml:

```

<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"

```

```

    android:layout_width="fill_parent"
    android:layout_height="fill_parent"

```

>

<LinearLayout

```

    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical"

```

>

<TextView

```

    android:id="@+id/hoteltextView2_1"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"

```

```

    android:background="#0080ff"
    android:gravity="center"
    android:text="Room Service Dialogue"
    android:textColor="#f3f6ff"
    android:textSize="30dp"
    android:textStyle="bold" />

```

<LinearLayout

```

    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">

```

<TextView

```

    android:id="@+id/hoteltextView2_2"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="20dp"
    android:text="Room service: Good morning. How may I help you?"
    android:textAppearance="?android:attr/textAppearanceSmall"
    android:textColor="#00217a" />

```

<LinearLayout

```

    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal" >

```

<TextView

```

    android:id="@+id/hoteltextView2_3"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:text="Translation: Suvo sokal. Apnake kivabe sahajjo korte pari?"
    android:textAppearance="?android:attr/textAppearanceSmall"
    android:textColor="#eb3c46" />

```

<ImageButton

```

    android:id="@+id/hotelaudio2_1"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />

```

</LinearLayout>

<TextView

```

    android:id="@+id/hoteltextView2_4"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"

```



```

        android:layout_marginTop="30dp"
        android:text="Traveler: Good morning. I'd like some breakfast, please."
        android:textAppearance="?android:attr/textAppearanceSmall"
        android:textColor="#00217a" />

```

```

<LinearLayout

```

```

    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal" >

```

```

<TextView

```

```

    android:id="@+id/hoteltextView2_5"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:text="Translation: Suvo sokal. Ami breakfast korte chai. Ekhon ki paoa jabe."
    android:textAppearance="?android:attr/textAppearanceSmall"
    android:textColor="#eb3c46" />

```

```

<ImageButton

```

```

    android:id="@+id/hotelaudio2_2"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />

```

```

</LinearLayout>

```

```

<TextView

```

```

    android:id="@+id/hoteltextView2_6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="25dp"
    android:text="Room Service: Sure, what would you like? ""
    android:textColor="#00217a" />

```

```

<LinearLayout

```

```

    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal" >

```

```

<TextView

```

```

    android:id="@+id/hoteltextView2_7"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:text="Translation: Obossoi. Apni ki khete chan?""
    android:textColor="#eb3c46" />

```

```

<ImageButton

```

```

    android:id="@+id/hotelaudio2_3"
    android:layout_width="30dp"

```

```

        android:layout_height="30dp"
        android:layout_marginLeft="10dp"
        android:src="@android:drawable/ic_lock_silent_mode_off"
        android:background="#0080ff" />
</LinearLayout>

<TextView
    android:id="@+id/hoteltextView2_8"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="15dp"
    android:text="Traveler: I'd like some burgers, juice, egg, and fruits, please."
    android:textColor="#00217a" />
<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal" >
<TextView
    android:id="@+id/hoteltextView2_9"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:text="Translation: Amake burger, juice, egg r fruit din."
    android:textColor="#eb3c46" />

<ImageButton
    android:id="@+id/hotelaudio2_4"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />
</LinearLayout>

<TextView
    android:id="@+id/hoteltextView2_10"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="20dp"
    android:text="Room Service: Alright"
    android:textColor="#00217a" />
<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal" >
<TextView

```

```

        android:id="@+id/hoteltextView2_11"
        android:layout_width="260dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="15dp"
        android:text="Translation: Thik ache."
        android:textColor="#eb3c46" />
    <ImageButton
        android:id="@+id/hotelaudio2_5"
        android:layout_width="30dp"
        android:layout_height="30dp"
        android:layout_marginLeft="10dp"
        android:src="@android:drawable/ic_lock_silent_mode_off"
        android:background="#0080ff" />
</LinearLayout>

```

```

<TextView
    android:id="@+id/hoteltextView2_12"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="21dp"
    android:text="Traveler: Great. Thank you"
    android:textColor="#00217a" />

```

```

</LinearLayout>

```

```

<RelativeLayout android:layout_width="fill_parent" android:layout_height="150dp">

```

```

    <Button
        android:id="@+id/hotelphraseBt2"
        android:layout_width="wrap_content"
        android:layout_height="35dp"
        android:layout_alignParentBottom="true"
        android:layout_alignParentRight="true"
        android:layout_marginRight="35dp"
        android:background="#0080ff"
        android:text="Phrases"
        android:textColor="#f3f6ff"
        android:textStyle="bold" />

```

```

    <Button
        android:id="@+id/hotelhomeBt2"
        android:layout_width="wrap_content"
        android:layout_height="35dp"
        android:layout_alignParentBottom="true"
        android:layout_alignParentLeft="true"
        android:layout_marginLeft="30dp"
        android:background="#0080ff"
        android:text="Home"

```

```
    android:textColor="#f3f6ff"
    android:textStyle="bold" />
```

<ImageButton

```
    android:id="@+id/hotelbackBt2"
    android:layout_width="35dp"
    android:layout_height="35dp"
    android:layout_alignParentBottom="true"
    android:layout_centerHorizontal="true"
    android:background="#0080ff"
    android:src="@android:drawable/ic_media_previous" />
```

```
</RelativeLayout>
```

```
</LinearLayout>
```

```
</ScrollView>
```

restaurantphrase.xml:

```
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
```

```
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    >
```

<LinearLayout

```
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">
```

<TextView

```
    android:id="@+id/restaurantphrase_textView1"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:background="#0080ff"
    android:gravity="center"
    android:text="Restaurant Conversation"
    android:textColor="#f3f6ff"
    android:textSize="25dp"
    android:textStyle="bold" />
```

<ImageView

```
    android:id="@+id/restaurantphrase_imageView2"
```

```

android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:layout_alignParentTop="true"
android:layout_centerHorizontal="true"
android:src="@drawable/restaurantview" />

```

```

<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">

```

```

<TextView
    android:id="@+id/restaurantphrase_textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/restaurantphrase_textView1"
    android:layout_marginTop="22dp"
    android:layout_marginLeft="15dp"
    android:text="Waiter: Can I help you?"
    android:textAppearance="?android:attr/textAppearanceSmall"
    android:textColor="#00217a" />

```

```

<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal" >

```

```

<TextView
    android:id="@+id/restaurantphrase_textView3"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"

    android:text="Translation: Ami ki apnake sahajjo korte pari?"
    android:textColor="#eb3c46" />

```

```

<ImageButton
    android:id="@+id/restaurantphrase_audioButton1"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />

```

```

</LinearLayout>

```

```

    <TextView
        android:id="@+id/restaurantphrase_textView5"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="15dp"

```

```

android:layout_marginTop="10dp"
android:text="Traveler: A table for two please."
android:textAppearance="?android:attr/textAppearanceSmall"
android:textColor="#00217a" />

```

```

<LinearLayout

```

```

    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="horizontal" >

```

```

<TextView

```

```

    android:id="@+id/restaurantphrase_textView6"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:text="Translation: Dui joner jonno ekta table lagbe."
    android:textAppearance="?android:attr/textAppearanceSmall"
    android:textColor="#eb3c46" />

```

```

<ImageButton

```

```

    android:id="@+id/restaurantphrase_audioButton2"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />

```

```

</LinearLayout>

```

```

<TextView

```

```

    android:id="@+id/restaurantphrase_textView7"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:layout_marginLeft="15dp"
    android:text="Waiter: This way."
    android:textColor="#00217a" />

```

```

<LinearLayout

```

```

    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="horizontal">

```

```

<TextView

```

```

    android:id="@+id/restaurantphrase_textView8"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:text="Translation: Ei dike."
    android:textColor="#eb3c46" />

```

```

<ImageButton

```

```

        android:id="@+id/restaurantphrase_audioButton3"
        android:layout_width="30dp"
        android:layout_height="30dp"
        android:layout_marginLeft="10dp"
        android:src="@android:drawable/ic_lock_silent_mode_off"
        android:background="#0080ff" />

```

```

</LinearLayout>

```

```

</LinearLayout>

```

```

<RelativeLayout

```

```

    android:layout_width="fill_parent"
    android:layout_height="150dp" >

```

```

<ImageButton

```

```

    android:id="@+id/restaurantphrase_backButton1"
    android:layout_width="35dp"
    android:layout_height="35dp"
    android:layout_alignParentBottom="true"
    android:layout_alignParentLeft="true"
    android:background="#0080ff"
    android:src="@android:drawable/ic_media_previous" />

```

```

<ImageButton

```

```

    android:id="@+id/restaurantphrase_nextButton1"
    android:layout_width="35dp"
    android:layout_height="35dp"
    android:layout_alignParentBottom="true"
    android:layout_alignParentRight="true"
    android:background="#0080ff"
    android:src="@android:drawable/ic_media_next" />

```

```

<Button

```

```

    android:id="@+id/ResphraseBt"
    android:layout_width="wrap_content"
    android:layout_height="35dp"
    android:layout_alignParentBottom="true"
    android:layout_marginLeft="26dp"
    android:layout_toRightOf="@+id/restaurantphrase_Homebutton"
    android:background="#0080ff"
    android:textColor="#f3f6ff"
    android:textStyle="bold"
    android:text="Phrases" />

```

```

<Button

```

```

    android:id="@+id/restaurantphrase_Homebutton"
    android:layout_width="wrap_content"
    android:layout_height="35dp"
    android:layout_alignParentBottom="true"

```

```

        android:layout_marginLeft="48dp"
        android:layout_toRightOf="@+id/restaurantphrase_backButton1"
        android:background="#0080ff"
        android:textColor="#f3f6ff"
        android:textStyle="bold"
        android:text="Home" />

    </RelativeLayout>
</LinearLayout>
</ScrollView>

```

restaurantphrase2.xml:

```

<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    >

    <LinearLayout
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">

        <TextView
            android:id="@+id/restaurantphrase_textView9"
            android:layout_width="fill_parent"
            android:layout_height="wrap_content"
            android:layout_alignParentLeft="true"
            android:layout_alignParentTop="true"
            android:background="#0080ff"
            android:gravity="center"
            android:text="Ordering Food"
            android:textColor="#f3f6ff"
            android:textSize="25dp"
            android:textStyle="bold" />

        <ImageView
            android:id="@+id/restaurantphrase_imageView2"
            android:layout_width="fill_parent"
            android:layout_height="wrap_content"
            android:layout_alignParentTop="true"
            android:layout_centerHorizontal="true"
            android:src="@drawable/ordering_food" />

        <LinearLayout

```



```
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">
```

```
<TextView
```

```
    android:id="@+id/restaurantphrase_textView10"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="22dp"
    android:layout_marginLeft="15dp"
    android:text="Waiter: Order, please."
    android:textAppearance="?android:attr/textAppearanceSmall"
    android:textColor="#00217a" />
```

```
<LinearLayout
```

```
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal" >
```

```
<TextView
```

```
    android:id="@+id/restaurantphrase_textView3"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"

    android:text="Translation: Order ta din please."
    android:textColor="#eb3c46" />
```

```
<ImageButton
```

```
    android:id="@+id/restaurantphrase_audioButton4"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />
```

```
</LinearLayout>
```

```
<TextView
```

```
    android:id="@+id/restaurantphrase_textView12"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="10dp"
    android:text="Traveler: Yes, we&apos;ll have the chicken with vegetables, and the
vegetable pasta please."
    android:textAppearance="?android:attr/textAppearanceSmall"
    android:textColor="#00217a" />
```

```
<LinearLayout
```

```
    android:layout_width="fill_parent"
```

```

        android:layout_height="fill_parent"
        android:orientation="horizontal" >

<TextView
    android:id="@+id/restaurantphrase_textView13"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"

    android:text="Translation: Ok, amra chicken er sathe vegetables ebong
vegetable pasta chai."
    android:textAppearance="?android:attr/textAppearanceSmall"
    android:textColor="#eb3c46" />

<ImageButton
    android:id="@+id/restaurantphrase_audioButton5"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />
</LinearLayout>

<TextView
    android:id="@+id/restaurantphrase_textView14"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="20dp"
    android:layout_marginLeft="15dp"
    android:text="Waiter: Anything to drink?"
    android:textColor="#00217a" />
<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="horizontal">

    <TextView
        android:id="@+id/restaurantphrase_textView15"
        android:layout_width="260dp"
        android:layout_height="wrap_content"
        android:layout_marginLeft="15dp"
        android:text="Translation: Kono drinks lagbe?"
        android:textColor="#eb3c46" />

<ImageButton
    android:id="@+id/restaurantphrase_audioButton6"
    android:layout_width="30dp"
    android:layout_height="30dp"

    android:layout_marginLeft="10dp"

```

```
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />
```

```
</LinearLayout>
```

```
<TextView
    android:id="@+id/resturantphrase_textView16"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="10dp"
    android:text="Traveler: Just some water please."
    android:textColor="#00217a"
/>
```

```
    <LinearLayout
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:orientation="horizontal" >
        <TextView
            android:id="@+id/resturantphrase_textView17"
            android:layout_width="260dp"
            android:layout_height="wrap_content"
            android:layout_marginLeft="15dp"
            android:text="Translation: Sudhu pani dilei hobe."
            android:textColor="#ff0000"
        />
```

```
    <ImageButton
        android:id="@+id/restaurantphrase_audioButton7"
        android:layout_width="30dp"
        android:layout_height="30dp"
        android:layout_marginLeft="10dp"
        android:src="@android:drawable/ic_lock_silent_mode_off"
        android:background="#0080ff" />
```

```
</LinearLayout>
```

```
    <TextView
        android:id="@+id/resturantphrase_textView18"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentLeft="true"
        android:layout_marginLeft="15dp"
```

```

        android:layout_marginTop="10dp"
        android:text="Waiter: Can I get you anything else? Coffee or Dessert?"
        android:textColor="#00217a"
    />

```

```

        <LinearLayout
            android:layout_width="fill_parent"
            android:layout_height="fill_parent"
            android:orientation="horizontal" >

```

```

        <TextView
            android:id="@+id/resturantphrase_textView19"
            android:layout_width="260dp"
            android:layout_height="wrap_content"
            android:layout_marginLeft="15dp"
            android:text="Translation: R kichu lagbe? Coffee othoba Dessert?"
            android:textColor="#ff0000"/>

```

```

        <ImageButton
            android:id="@+id/restaurantphrase_audioButton8"
            android:layout_width="30dp"
            android:layout_height="30dp"
            android:layout_marginLeft="10dp"
            android:src="@android:drawable/ic_lock_silent_mode_off"
            android:background="#0080ff" />

```

```

    </LinearLayout>

```

```

        <TextView
            android:id="@+id/restaurantphrase_textView20"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignParentLeft="true"
            android:layout_marginLeft="15dp"
            android:layout_marginTop="10dp"
            android:text="Traveler: No, thanks. Just the bill please."
            android:textColor="#00217a"
        />

```

```

        <LinearLayout
            android:layout_width="fill_parent"
            android:layout_height="fill_parent"
            android:orientation="horizontal" >

```

```

        <TextView
            android:id="@+id/restaurantphrase_textView21"

```

```

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginLeft="15dp"
        android:text="Translation: Na, dhonnobad.Bill ta din please."
        android:textColor="#ff0000" />

```

<ImageButton

```

        android:id="@+id/restaurantphrase_audioButton9"
        android:layout_width="30dp"
        android:layout_height="30dp"
        android:layout_marginLeft="-20dp"
        android:layout_marginTop="20dp"
        android:src="@android:drawable/ic_lock_silent_mode_off"
        android:background="#0080ff" />

```

</LinearLayout>

</LinearLayout>

<RelativeLayout

```

        android:layout_width="fill_parent"
        android:layout_height="150dp" >

```

<ImageButton

```

        android:id="@+id/restaurantphrase_backButton1"
        android:layout_width="35dp"
        android:layout_height="35dp"
        android:layout_alignParentBottom="true"
        android:background="#0080ff"
        android:src="@android:drawable/ic_media_previous" />

```

<ImageButton

```

        android:id="@+id/restaurantphrase_nextButton1"
        android:layout_width="35dp"
        android:layout_height="35dp"
        android:layout_alignParentBottom="true"
        android:layout_alignParentRight="true"
        android:background="#0080ff"
        android:src="@android:drawable/ic_media_next" />

```

<Button

```

        android:id="@+id/ResphraseBt"
        android:layout_width="wrap_content"
        android:layout_height="35dp"
        android:layout_alignParentBottom="true"
        android:layout_marginLeft="26dp"
        android:background="#0080ff"

```

```

        android:textColor="#f3f6ff"
        android:textStyle="bold"
        android:layout_toRightOf="@+id/restaurantphrase_Homebutton"
        android:text="Phrases" />

```

<Button

```

        android:id="@+id/restaurantphrase_Homebutton"
        android:layout_width="wrap_content"
        android:layout_height="35dp"
        android:layout_alignParentBottom="true"
        android:layout_marginLeft="48dp"
        android:layout_toRightOf="@+id/restaurantphrase_backButton1"
        android:background="#0080ff"
        android:textColor="#f3f6ff"
        android:textStyle="bold"
        android:text="Home" />

```

</RelativeLayout>

</LinearLayout>

</ScrollView>

restaurantphrase3.xml:

```

<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent">

```

<LinearLayout

```

        android:layout_width="fill_parent"
        android:layout_height="wrap_content"

```

```

        android:orientation="vertical" >

```

<TextView

```

        android:id="@+id/restaurantphrase_textView22"
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:background="#0080ff"
        android:gravity="center"
        android:text="Making a Reservation"
        android:textColor="#f3f6ff"
        android:textSize="25dp"

```

```
android:textStyle="bold" />
```

<ImageView

```
android:id="@+id/restaurantphrase_imageView3"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_alignParentTop="true"  
android:layout_centerHorizontal="true"  
android:layout_gravity="center"  
android:src="@drawable/reservation" />
```

<LinearLayout

```
android:layout_width="fill_parent"  
android:layout_height="wrap_content"  
android:orientation="vertical" >
```

<TextView

```
android:id="@+id/restaurantphrase_textView23"  
android:layout_width="260dp"  
android:layout_height="wrap_content"  
android:layout_alignParentLeft="true"  
android:layout_marginLeft="15dp"  
android:layout_marginTop="10dp"  
android:text="Traveler: Hi, I&apos;d like to make a reservation for 2 people tonight."  
android:textColor="#00217a" />
```

<LinearLayout

```
android:layout_width="fill_parent"  
android:layout_height="fill_parent"  
android:orientation="horizontal" >
```

<TextView

```
android:id="@+id/restaurantphrase_textView24"  
android:layout_width="260dp"  
    android:layout_height="wrap_content"  
android:layout_marginLeft="15dp"  
android:text="Translation: Hi, amar ajke raat e dui joner ekta reservation lagbe."  
android:textColor="#ff0000" />
```

<ImageButton

```
android:id="@+id/restaurantphrase_audioButton10"  
android:layout_width="30dp"  
    android:layout_height="30dp"  
android:layout_marginLeft="10dp"  
android:src="@android:drawable/ic_lock_silent_mode_off"  
android:background="#0080ff" />
```

</LinearLayout>

<TextView

```
android:id="@+id/restaurantphrase_textView25"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_marginLeft="15dp"  
android:layout_marginTop="30dp"  
android:text="Waiter: What time would you like?"  
android:textColor="#00217a" />
```

<LinearLayout

```
android:layout_width="fill_parent"  
android:layout_height="fill_parent"  
android:orientation="horizontal" >
```

<TextView

```
android:id="@+id/restaurantphrase_textView26"  
android:layout_width="260dp"  
android:layout_height="wrap_content"  
android:layout_marginLeft="15dp"  
android:text="Translation: koy tay lagbe ?"  
android:textColor="#ff0000"  
/>
```

<ImageButton

```
android:id="@+id/restaurantphrase_audioButton11"  
android:layout_width="30dp"  
android:layout_height="30dp"  
android:layout_marginLeft="10dp"  
android:src="@android:drawable/ic_lock_silent_mode_off"  
android:background="#0080ff" />
```

</LinearLayout>

<TextView

```
android:id="@+id/restaurantphrase_textView27"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
  
android:text="Traveler: 8:00pm."  
android:layout_marginLeft="15dp"  
android:layout_marginTop="10dp"  
  
android:textColor="#00217a"/>
```



```

<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="horizontal" >

```

```

<TextView
    android:id="@+id/restaurantphrase_textView28"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:text="Translation: Raat aat tai."
    android:layout_marginLeft="15dp"
    android:textColor="#ff0000"
/>

```

```

<ImageButton
    android:id="@+id/restaurantphrase_audioButton12"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />

```

```

</LinearLayout>

```

```

<TextView
    android:id="@+id/restaurantphrase_textView29"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:text="Waiter: We don't have anything available at 8:00pm. Is 7:30pm
ok?"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="10dp"
    android:textColor="#00217a" />

```

```

<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="horizontal" >

```

```

<TextView
    android:id="@+id/restaurantphrase_textView30"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:text="Translation: Amader raat aat tai kono slot khali nei. Sare sat tai hole
cholbe?"
    android:textColor="#ff0000"

```

/>

<ImageButton

```
android:id="@+id/restaurantphrase_audioButton13"  
android:layout_width="30dp"  
android:layout_height="30dp"  
android:layout_marginLeft="10dp"  
android:src="@android:drawable/ic_lock_silent_mode_off"  
android:background="#0080ff" />
```

</LinearLayout>

<TextView

```
android:id="@+id/restaurantphrase_textView31"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
  
android:text="Traveler: Yes, that&apos;s fine."  
android:layout_marginLeft="15dp"  
android:layout_marginTop="10dp"  
android:textColor="#00217a"
```

/>

<LinearLayout

```
android:layout_width="fill_parent"  
android:layout_height="fill_parent"  
android:orientation="horizontal" >
```

<TextView

```
android:id="@+id/restaurantphrase_textView32"  
android:layout_width="260dp"  
android:layout_height="wrap_content"  
android:layout_marginLeft="15dp"  
android:text="Translation: Haa, cholbe."  
android:textColor="#ff0000"/>
```

<ImageButton

```
android:id="@+id/restaurantphrase_audioButton14"  
android:layout_width="30dp"  
android:layout_height="30dp"  
android:layout_marginLeft="10dp"  
android:src="@android:drawable/ic_lock_silent_mode_off"  
android:background="#0080ff" />
```

</LinearLayout>

```

<TextView
    android:id="@+id/restaurantphrase_textView33"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"

    android:text="Waiter: Your name please?"
    android:layout_marginLeft="15dp"
    android:layout_marginTop="10dp"
    android:textColor="#00217a" />

    <LinearLayout
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:orientation="horizontal" >

<TextView
    android:id="@+id/restaurantphrase_textView34"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:text="Translation: Apner namta bolun please."
    android:textColor="#ff0000" />

<ImageButton
    android:id="@+id/restaurantphrase_audioButton15"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />

</LinearLayout>

<TextView
    android:id="@+id/restaurantphrase_textView35"
    android:layout_width="260dp"
    android:layout_height="wrap_content"

    android:text="Traveler: ketty Smith."
    android:layout_marginLeft="15dp"
    android:layout_marginTop="10dp"
    android:textColor="#00217a"
    />

<TextView
    android:id="@+id/restaurantphrase_textView36"

```

```
android:layout_width="260dp"
android:layout_height="wrap_content"
```

```
android:text="Waiter: Ok, Ms. Smith. We'll see you at 7:30pm on Friday."
  android:layout_marginLeft="15dp"
  android:layout_marginTop="30dp"
  android:textColor="#00217a"
/>
```

```
<LinearLayout
  android:layout_width="fill_parent"
  android:layout_height="fill_parent"
  android:orientation="horizontal" >
```

```
<TextView
  android:id="@+id/restaurantphrase_textView37"
  android:layout_width="260dp"
  android:layout_height="wrap_content"
  android:layout_marginLeft="15dp"
  android:text="Translation: Ok Ms. Smith, Sukro bar raat sare sat tai dekha hobe."
  android:textColor="#ff0000" />
```

```
<ImageButton
  android:id="@+id/restaurantphrase_audioButton16"
  android:layout_width="30dp"
  android:layout_height="30dp"
  android:layout_marginTop="20dp"
  android:layout_marginLeft="10dp"
  android:src="@android:drawable/ic_lock_silent_mode_off"
  android:background="#0080ff" />
```

```
</LinearLayout>
```

```
<TextView
  android:id="@+id/restaurantphrase_textView38"
  android:layout_width="wrap_content"
  android:layout_height="wrap_content"

  android:text="Traveler: Thank you. Bye."
  android:layout_marginLeft="15dp"
  android:layout_marginTop="10dp"
  android:textColor="#00217a"
/>
```

```
<LinearLayout
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="horizontal" >
```

```
<TextView
    android:id="@+id/restaurantphrase_textView39"
    android:layout_width="260dp"
    android:layout_height="wrap_content"
    android:layout_marginLeft="15dp"
    android:text="Translation: Dhonnobad apnake. Bye."
    android:textColor="#ff0000"
/>
```

```
<ImageButton
    android:id="@+id/restaurantphrase_audioButton17"
    android:layout_width="30dp"
    android:layout_height="30dp"
    android:layout_marginLeft="10dp"
    android:src="@android:drawable/ic_lock_silent_mode_off"
    android:background="#0080ff" />
</LinearLayout>
```

```
<TextView
    android:id="@+id/restaurantphrase_textView40"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"

    android:text="Waiter: Goodbye."
    android:layout_marginLeft="15dp"
    android:layout_marginTop="10dp"
    android:textColor="#00217a" />
```

```
</LinearLayout>
<RelativeLayout
```

```
    android:layout_width="fill_parent"
    android:layout_height="150dp">
```

```
<Button
    android:id="@+id/Resphrase3Bt"
    android:layout_width="wrap_content"
    android:layout_height="35dp"
    android:layout_alignParentBottom="true"
    android:layout_marginLeft="26dp"
```

```

        android:background="#0080ff"
        android:textColor="#f3f6ff"
        android:layout_toRightOf="@+id/restaurantphrase_Homebutton"
        android:textStyle="bold"
        android:text="Phrases" />

```

<Button

```

        android:id="@+id/restaurantphrase3_Homebutton"
        android:layout_width="wrap_content"
        android:layout_height="35dp"
        android:layout_alignParentBottom="true"
        android:layout_alignParentRight="true"
        android:layout_marginRight="28dp"
        android:background="#0080ff"
        android:textStyle="bold"
        android:textColor="#f3f6ff"
        android:text="Home" />

```

<ImageButton

```

        android:id="@+id/restaurantphrase_backButton3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignTop="@+id/restaurantphrase3_Homebutton"
        android:layout_centerHorizontal="true"
        android:background="#0080ff"
        android:src="@android:drawable/ic_media_previous" />

```

</RelativeLayout>

</LinearLayout>

</ScrollView>

route.xml:

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent" >

    <Button
        android:id="@+id/routehome"
        android:layout_width="wrap_content"
        android:layout_height="35dp"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:background="#0080ff"

```

```

        android:textColor="#f3f6ff"
        android:textStyle="bold"
        android:text="Home" />

```

```

<TextView
    android:id="@+id/tv_distance_time"
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:layout_below="@+id/routehome"
    android:text="Click source and destination to find transport info"
    android:textColor="#0080ff" />

```

```

<fragment
    android:id="@+id/map"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:layout_below="@+id/tv_distance_time"
    class="com.google.android.gms.maps.SupportMapFragment" />

```

```

</RelativeLayout>

```

AndroidManifest.xml:

```

<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.travelguideapp"
    android:versionCode="1"
    android:versionName="1.0"
    >

    <uses-sdk
        android:minSdkVersion="17"
        android:targetSdkVersion="19" />

    <uses-permission
        android:name="com.example.travelguideapp.permission.MAPS_RECEIVE" />
    <uses-permission android:name="android.permission.INTERNET" />
    <uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE" />
    <uses-permission
        android:name="com.google.android.providers.gsf.permission.READ_GSERVICES" />
    <uses-permission android:name="android.permission.ACCESS_COARSE_LOCATION" />
    <uses-permission android:name="android.permission.ACCESS_FINE_LOCATION" />
    <uses-permission android:name="android.permission.ACCESS_NETWORK_STATE" />
    <uses-permission android:name="android.permission.INTERNET"/>

    <permission
        android:name="com.example.travelguideapp.permission.MAPS_RECEIVE"
        android:protectionLevel="signature" />

```

```

<uses-permission
android:name="com.example.travelguideapp.permission.MAPS_RECEIVE" />

<uses-permission android:name="android.permission.INTERNET"/>
<uses-permission
android:name="android.permission.WRITE_EXTERNAL_STORAGE"/>
<uses-permission
android:name="com.google.android.providers.gsf.permission.READ_GSERVICES"/>
<uses-permission
android:name="android.permission.ACCESS_COARSE_LOCATION"/>
<uses-permission android:name="android.permission.ACCESS_FINE_LOCATION"/>

<uses-feature
    android:glEsVersion="0x00020000"
    android:required="true"/>

<application
    android:allowBackup="true"
    android:icon="@drawable/ic_launcher"
    android:label="@string/app_name"
    android:theme="@style/AppTheme" >

    <activity
        android:name="com.example.travelguideapp.MainActivity"
        android:label="@string/app_name" >
        <intent-filter>
            <action android:name="android.intent.action.MAIN" />

            <category android:name="android.intent.category.LAUNCHER" />
        </intent-filter>
    </activity>

    <activity
        android:name=".Phrase"
        android:label="@string/app_name" >
        <intent-filter>
            <action android:name="android.intent.action.Phrase" />

            <category android:name="android.intent.category.DEFAULT" />
        </intent-filter>
    </activity>
    <activity
        android:name=".Hotelpage"
        android:label="@string/app_name" >
        <intent-filter>
            <action android:name="android.intent.action.hotelpage" />

```



```

        <category android:name="android.intent.category.default" />
    </intent-filter>
</activity>

<activity
    android:name=".Hotelpage1"
    android:label="@string/app_name" >
    <intent-filter>
        <action android:name="android.intent.action.hotelpage1" />

        <category android:name="android.intent.category.default"/>
    </intent-filter>
</activity>

<activity
    android:name=".Hotelpage2"
    android:label="@string/app_name" >
    <intent-filter>
        <action android:name="android.intent.action.hotelpage2" />

        <category android:name="android.intent.category.default"/>
    </intent-filter>
</activity>

<activity
    android:name=".Restaurantphrase"
    android:label="@string/app_name" >
    <intent-filter>
        <action android:name="android.intent.action.Restaurantphrase" />

        <category android:name="android.intent.category.DEFAULT" />
    </intent-filter>
</activity>

<activity
    android:name=".Restaurantphrase2"
    android:label="@string/app_name" >
    <intent-filter>
        <action android:name="android.intent.action.Restaurantphrase2" />

        <category android:name="android.intent.category.DEFAULT" />
    </intent-filter>
</activity>

```

```

<activity
    android:name=".Restaurantphrase3"
    android:label="@string/app_name" >
    <intent-filter>
        <action android:name="android.intent.action.Restaurantphrase3" />

        <category android:name="android.intent.category.DEFAULT" />
    </intent-filter>
</activity>

<activity
    android:name=".Bus"
    android:label="@string/app_name" >
    <intent-filter>
        <action android:name="android.intent.action.Bus" />

        <category android:name="android.intent.category.DEFAULT" />
    </intent-filter>
</activity>

<activity
    android:name=".Route"
    android:label="@string/app_name" >
    <intent-filter>
        <action android:name="android.intent.action.Route" />

        <category android:name="android.intent.category.DEFAULT" />
    </intent-filter>
</activity>

<meta-data
    android:name="com.google.android.maps.v2.API_KEY"
    android:value="AIzaSyDrkuo1BpPjxwO7qCRH0wilJ6gqujl_-D4"
/>
<meta-data android:name="com.google.android.gms.version"
    android:value="@integer/google_play_services_version" />

</application>

</manifest>

```

