

## TourGuideApp



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Com-18

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## **INTRODUCTION**

This program is based on tour assistance. using “Java Programming Language”. For that we used JavaFX in this development so that it will become easy with graphical interface another word with Scene Builder program.

## EXPLANATIONS

In this section, I explained how to interact.

successful with this program.

I explained the step here

step by step, so it will certainly help users become more friendly with it.

Below are our explanations:

The first thing to do: before starting this program, users need to that he will work correctly in their

The system has a "JDK". If they don't have it then they can download from this below link:

<https://www.oracle.com/technetwork/java/javase/downloads/jdk11-downloads-5066655.html>

Depending on their system (Windows 64bit/32bit) they need to download and install. Then they need to add the "JAVA" files to their system "PATH" so that the system can run the program from CMD (Command Prompt). The path will show something like this "C:\Program Files\Java\jdk1.6.0\_02.". Now just add the address besides the current path directory and save it.

The other way they can execute this program in to download the IDE (Integrated Development Environment) on their system. They can download IntelliJ IDEA or Eclipse depending on the windows (32bit/64bit). Below is the link: IntelliJ IDEA:

<https://www.jetbrains.com/ru-ru/idea/download/> Eclipse:

<http://www.eclipse.org/downloads/> We developed this program using "IntelliJ IDEA".

I also used the program Anroid studio

Yoy can download from this below link:

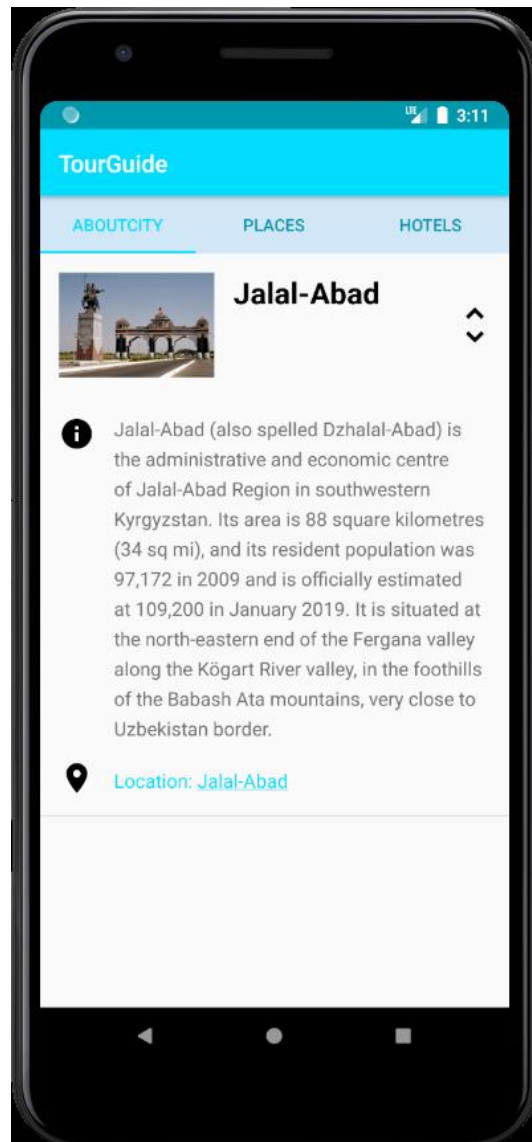
<https://developer.android.com/studio>

How you do all this will already be clear to use. This app is for Android only. In the near future I will do it for the iOS operating system.

Follow our news. I'll let you know ;)

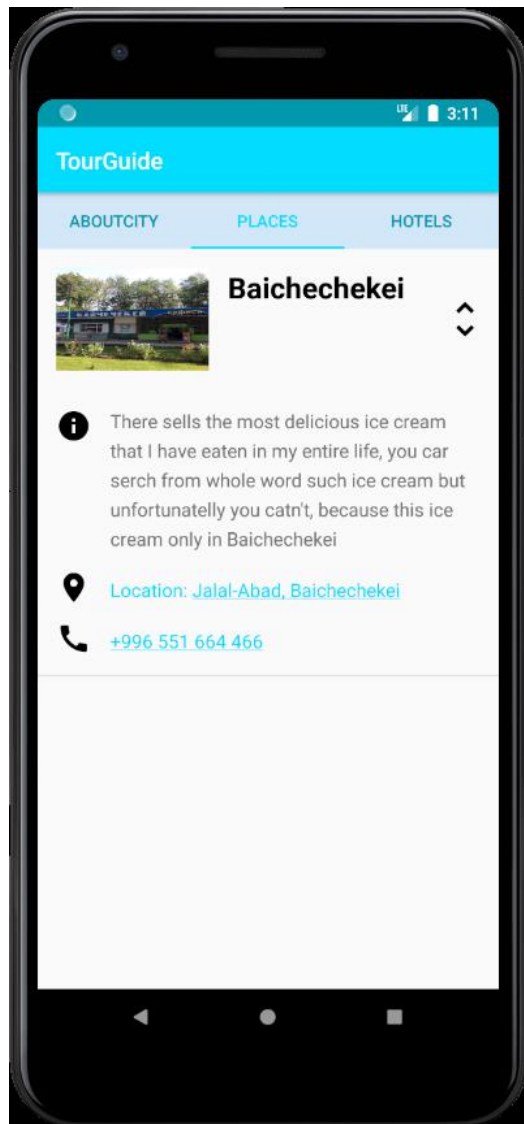
## Execution Procedures:

When user executes this program, it will show this:



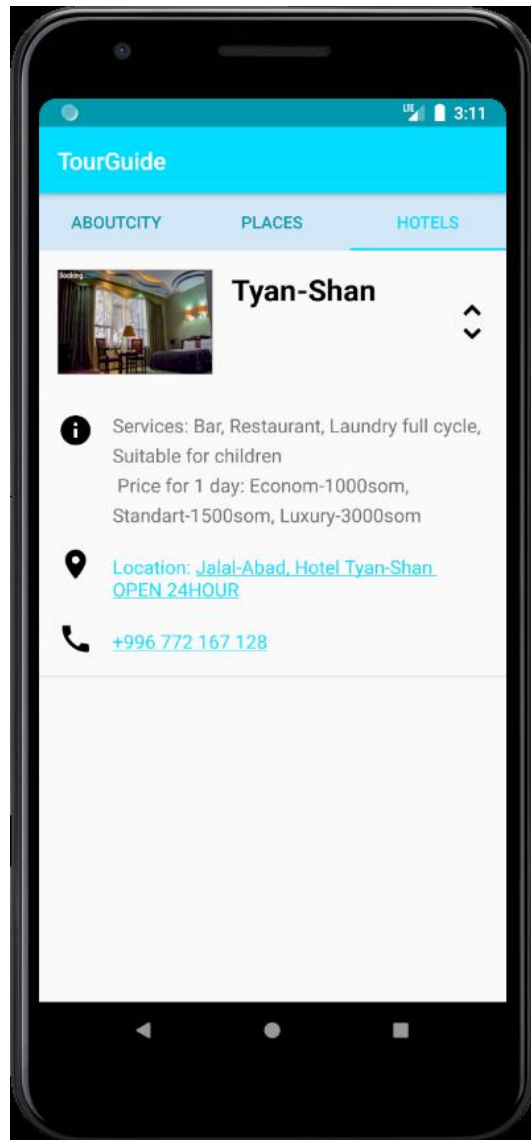
There is my main menu About our City, as you can see there are three sections.

This second part about our Places.



You can call the number below and book a cruise.

This is the 3rd section of our hotel reservation program.

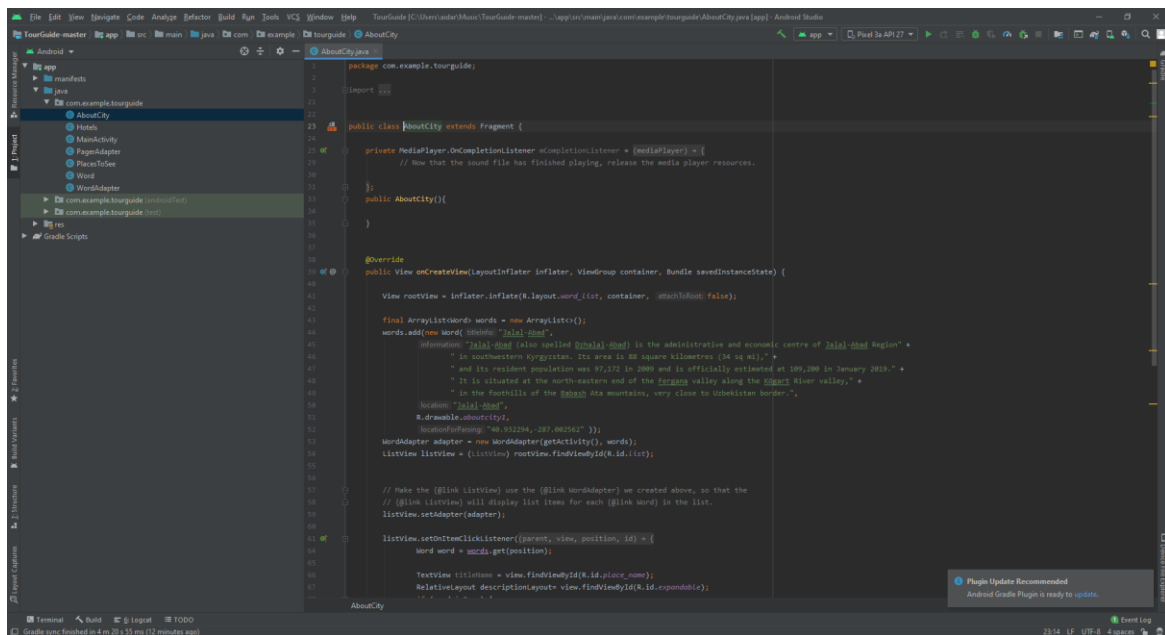


Also here is the location and number for your preference.

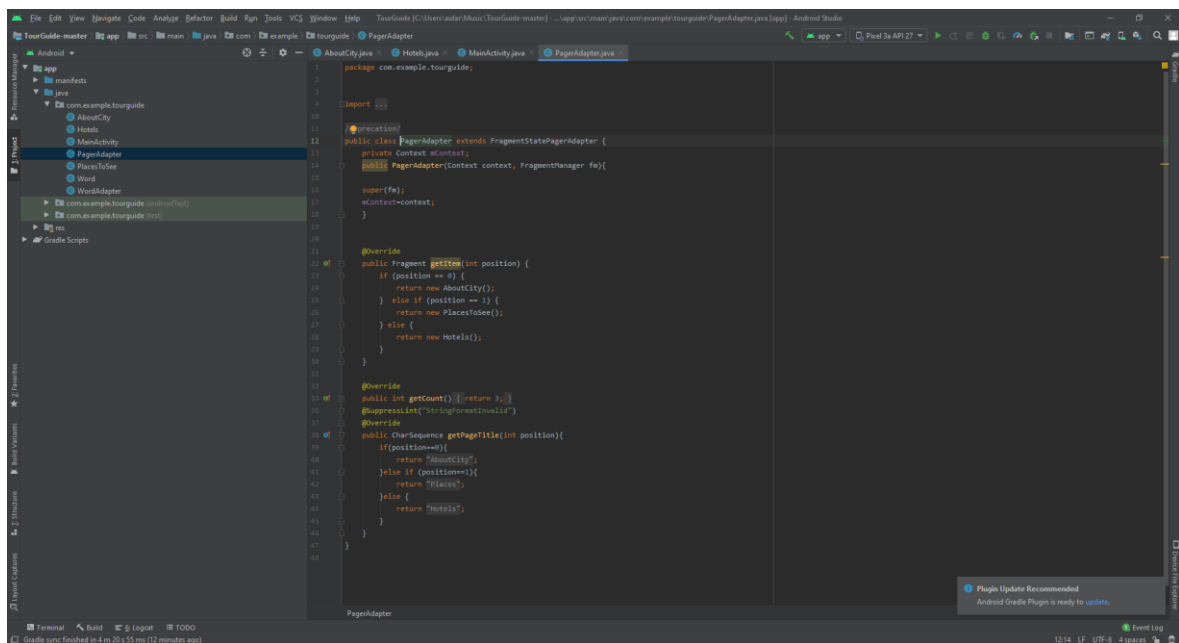
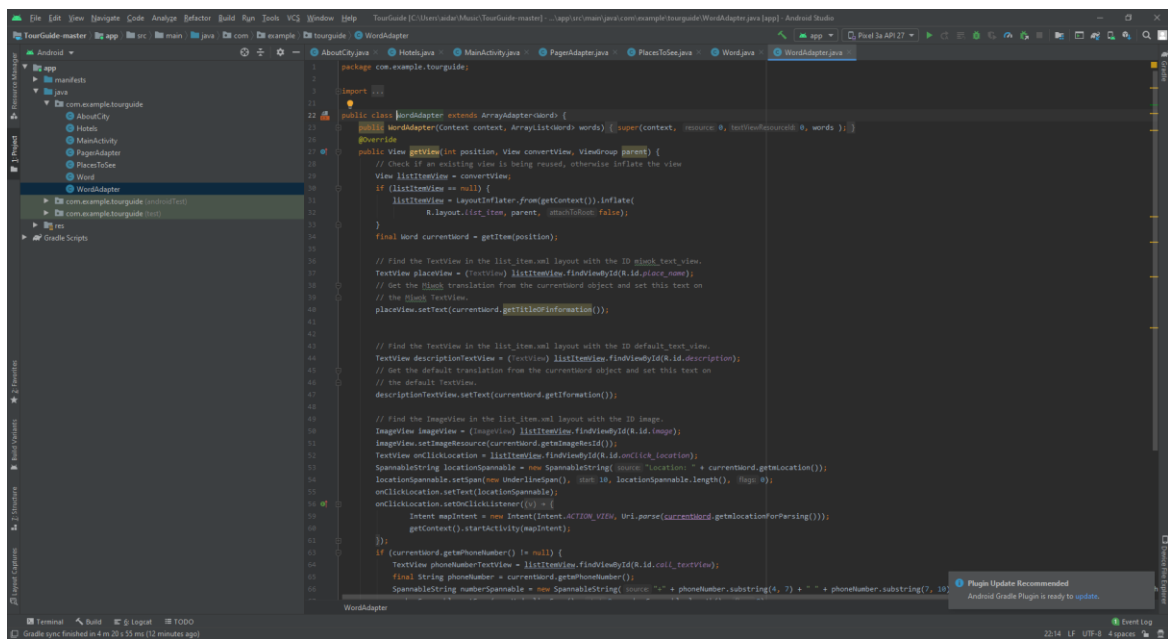


## OBJECT ORIENTED EXPLANATION

In object-oriented programming, for example, an object is a self-contained entity that consists of both data and procedures to manipulate the data. In other way, object oriented is the software engineering concept where it is represented using the “OBJECTS”.



```
1 package com.example.tourguide;
2
3 import androidx.fragment.app.Fragment;
4 import androidx.recyclerview.widget.RecyclerView;
5 import androidx.recyclerview.widget.LinearLayoutManager;
6 import androidx.recyclerview.widget.RecyclerView.Adapter;
7 import androidx.recyclerview.widget.RecyclerView.ViewHolder;
8 import android.os.Bundle;
9 import android.view.LayoutInflater;
10 import android.view.View;
11 import android.view.ViewGroup;
12 import android.widget.AdapterView;
13 import android.widget.AdapterView.OnItemClickListener;
14 import android.widget.Toast;
15
16 public class AboutCity extends Fragment {
17     private MediaPlayer.OnCompletionListener mCompletionListener = null;
18     // Now that the sound file has finished playing, release the media player resources.
19
20     public AboutCity() {
21     }
22
23     @Override
24     public View onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState) {
25         View rootView = inflater.inflate(R.layout.word_list, container, attachToRoot: false);
26
27         final ArrayList<Word> words = new ArrayList<>();
28         words.add(new Word("Jalal-Abad"));
29         // Jalal-Abad (also spelled [Jalal-Abad]) is the administrative and economic centre of Jalal-Abad Region,
30         // in southwestern Kyrgyzstan. Its area is 88 square kilometres (34 sq mi),
31         // and its resident population was 97,172 in 2009 and is officially estimated at 109,200 in January 2018.
32         // It is situated at the north-eastern end of the Fergana valley along the Syrdarya River valley.
33         // In the foothills of the Fergana Mts mountains, very close to Uzbekistan border".
34         WordAdapter adapter = new WordAdapter(words);
35         RecyclerView recyclerView = (RecyclerView) rootView.findViewById(R.id.list);
36         recyclerView.setLayoutManager(new LinearLayoutManager(this));
37         recyclerView.setAdapter(adapter);
38
39         // Make the [Link ListView] use the [Link WordAdapter] we created above, so that the
40         // [Link ListView] will display list items for each [Link Word] in the list.
41         recyclerView.setAdapter(adapter);
42
43         recyclerView.setOnItemClickListener((parent, view, position, id) -> {
44             Word word = words.get(position);
45
46             TextView titleText = view.findViewById(R.id.place_name);
47             RelativeLayout descriptionLayout = view.findViewById(R.id.description);
48         });
49     }
50 }
```



## **ASSUMPTION**

I tried to make this app more useful for myself but i will fix some functionality

and add flexible opportunities for users not only admins.

For instance people should have a possibility to add own favorites countries, cities and

order tours, hotels etc.

## **Reference**

<https://github.com/rockyxam/TourGuideApp.git>

JavaFX: <https://openjfx.io/> IntelliJ: IDEA:

<https://www.jetbrains.com/idea/>

<https://developer.android.com/studio>