Felseka

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Abstract

Modern hand-held devices such as smartphones become increasingly powerful in recent years. Highly significant invention has processing power along with the number of extra features included in these devices have opened the doors to a wide range of commercial possibilities. In particular, most cell phones regularly include cameras processors comparable to PCs from only a few years ago, and internet access. However, even with all these added abilities. There are few applications that allow much passing of the environmental information and location-based services.

as mobile devices become more like PCs they will come to reduce objects we tend to carry around such as checkbooks, credit cards, cameras, planners, etc. in short, we will be using them to accomplish our daily tasks. So, we want to provide this android app to people to help them move between cities or transport their goods.

Acknowledgements

In every case……. Good worse……. We must thank the great merciful Allah for all gifts and blessing that we have been given starting with the blessings of them.

We would like also to thank our supervisor:

Dr.Amr AbdEllatif

Who directed us to new color of science, drawing and planning most of all our steps, providing us good resources and references for finishing that work.

We would like also to thank everyone helped us through our gradual education through the four years especially the stuff members of computer science department.

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LIST OF ABBREVIATIONS

Abbreviation	Description
✓ IDE	Integrated Development Environment
✓ API	Application program interface
✓ SDk	Software development kit
✓ LAN	Local area network
✓ PDA	Personal digital assistance
✓ UML	Unified modeling language
✓ PHP	Personal home page
✓ PAAS	Platform as a service

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Chapter 1
INTRODUCTION

As we all know, prices are becoming an increasing burden for Egyptians these day.

The main problem we are facing is gas price, every Egyptians is complaining of gas price. These who own cars and those who drive transportation cars as a source of income for their family.

People were finding it difficult in the cost of transportation or transfer of goods to the required areas.

This project consists of a mobile application which promotes car-sharing and product shipping. It is called "FelSeka"

Problem definition

The main Idea of this mobile application is to share a common route with other people as a source of transportation also if somebody wants to send something to someone for away and cannot go this app will be able to send products to anyone by the driver already going to the same route or going to a near destination

the traffic jam in Egypt has increased recently, so this application helping in solving this problem throughout those steps:

1-transportation facilitation

2-cargos facilitation

3-reducing the traffic jam

4-reducing the oil usage dramatically

5-reducing the cost of transportation

this problem is very important as it may cost time, money and even lives, as the traffic jam affects us in so many ways, as it affects the atmosphere, our general health. and of course, our environment.

Solutions

- **Current Solution**

building more roads, bridges and tunnels

yet it takes so much time and effort.

- **Our Solution**

can reduce up to 80% of the traffic jam, on instead of traveling on your own, you can have company which at least will reduce the total consumption into half.

Our solution was to create a booking app which can (fix or decrease) many sides of the two mentioned issues.

It differs from common known booking apps as it helps you to travel from a governorate to another (alone or along) with others and even send a package safely from place to another near or far from your governorate; therefore, providing comfort, luxury travel for you and your own stuff

Proposed Solution

This mobile application B created to help people who are going a certain destination of going a common route travel in one single ride it add promotes product shipping for example if some body wants send something to someone in the same ride as someone going the same route or same destination

Who will this application Benefit?

This application will benefit the passenger the institution (car owner) and the whole community how will this benefit every one? Well first of all this will cost less to the passenger since they are both going on the same route second of all the driver would save gas money as he is doing two trips at the same time he would also save time and get more money as they are two passengers at one time

Benefits of Proposed Solution

- **Individual**

(1) cost saving

(2) flexibility choice of vernicles

(3) greater mobility

Institution:(car owner)

(1) cost saving

(2) decreased parking demand

(3) saves time for driver

(4) decrease gas requirements

- **Community**

(1) decrease traffic

(2) decrease air pollution

(3) decrease parking demand

(4) improves neighborhood relation

(5) easy product shipping

Features

The person is able to use the app to choose the place he wants to go and able to choose whichever driver he wants according to rating or type of car or whatever.

The driver's information is all available:

1-name

2-id number

3-phone number

4-rating and reviews

5-age

And car's information is all available:

1-type and number model

2-color

3-liscence number

Tools used

Language programming

1-Android language

2-Mysql

3-Xml

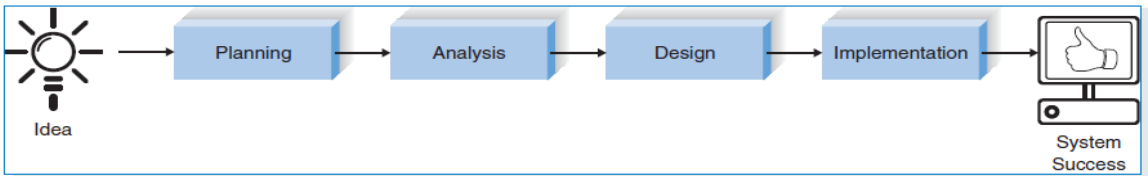
4-Php

5-Java

Chapter 2
THE SYSTEMS DEVELOPMENT LIFE CYCLE

In many ways, building an information system is similar to building a house. First, the owner describes the vision for the house to the developer. Second, this idea is transformed into sketches and drawings that are shown to the

owner and refined (often, through several drawings, each improving on the other) until the owner agrees that the pictures depict what he or she wants. Third, a set of detailed blueprints is developed that presents much more specific information about the house. Finally, the house is built following the blueprints—and often with some changes and decisions made by the owner as the house is erected. Building an information system using the SDLC follows a similar set of four fundamental *phases:* planning, analysis, design, and implementation .as figure show.



(Figure 2.1)Life Cycle)

Four steps for built and develop system

Planning

Analysis

Design

Implementation

1.Planning

The *planning phase* is the fundamental process of understanding *why* an information system should be built and determining how the project team will go about building it .

Focus in:	**primary output:**
- Why builds this system?	-System Request with feasibility study
- How to structure the project?	-project plane

2.Analysis

The *analysis phase* answers the questions of *who* will use the system, *what* the system will do, and *where* and *when* it will be used. During this phase, the project team investigates any current system (s), identifies improvement opportunities, and develops a concept for the new system.

Focus:	**Primary output :**
who, what, where	- System proposal
and when for this system?	

3.Design

The *design phase* decides *how* the system will operate in terms of the hardware, software, and network infrastructure that will be in place; the user interface, forms, and reports that will be used; and the specific programs, databases, and files that will be needed. Although most of the strategic decisions about the system are made in the development of the system concept during the analysis phase, the steps in the design phase determine exactly how the system will operate.

Focus:	**primary output**
-How will this system work?	- System specification

4.Impelementation

The final phase in the SDLC is the *implementation phase*, during which the system is actually built (or purchased, in the case of a packaged software design and installed). This is the phase that usually gets the most attention, because for most systems it is the longest and most expensive single part of the development process.

Focus in :	**primary output :**
- delivery and support of Completed system	-Installed system

Analysis of the project

Is the analysis of the project in three phases?

1.use case diagram

2.sequence diagram

3.activity diagram

1.Use case diagram

A use case contains all the information needed to build one part of a process model, expressed in an informal, simple way. A use case has a name, number, importance level, brief description, primary actor, trigger (s), preconditions, post conditions, major inputs and outputs, and a list of the major steps required to perform it. Use cases can be identified by reviewing the functional requirements. An event-response it also is useful in identifying the significant events that should be described in a use case. Once the use case is completed, often new and expanded functional requirements can be derived.

use case

is a list of actions or event steps typically defining the interactions between a role (known in the Unified Modeling Language as an actor) and a system to achieve a goal.

Actor

represent roles played by human users, external hardware, or other subjects. Actors do not necessarily represent specific physical entities but merely particular facets of some entities that are relevant to the specification of its associated use cases. A single physical instance may play the role of several different actors and a given actor may be played by multiple different instances, actors are drawn as stick figure .

Association

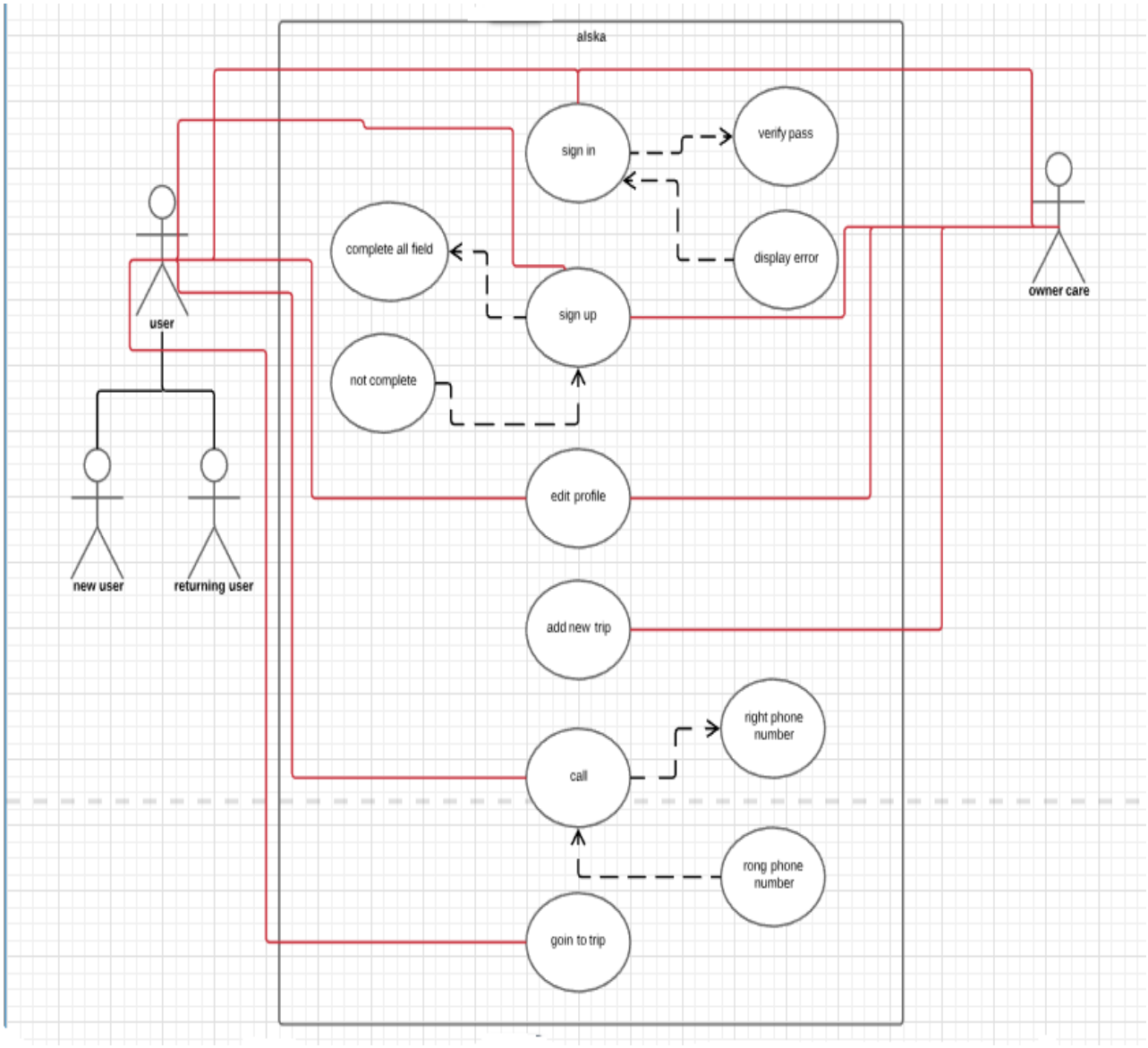
Each **use case** represents a unit of useful functionality that subjects provide to **actors**. An **association** between an actor and a use case indicates that the actor and the use case somehow interact or communicate with each other.

Only **binary associations** are allowed between actors and use cases.

An actor could be associated to one or several use cases.

A use case may have one or several associated actors.

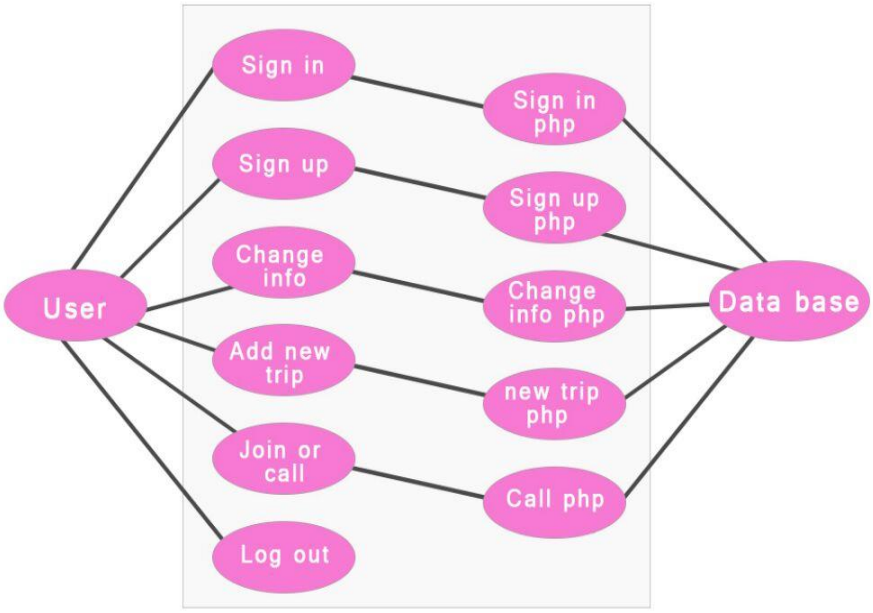
Use case diagram



(Figure 2.2) Use case

2.sequence diagram

A sequence diagram illustrates the objects that participate in a use case and, it is a *dynamic model* that supports a dynamic view of the evolving systems. It shows the explicit sequence of messages that are passed between objects in a defined interaction. Used to look at the behavior of several objects within a single use case , are good at showing collaborations among the objects , they not so good at precise dentition of behavior .



(Figure 2.3) Sequence diagram

3.activity diagram

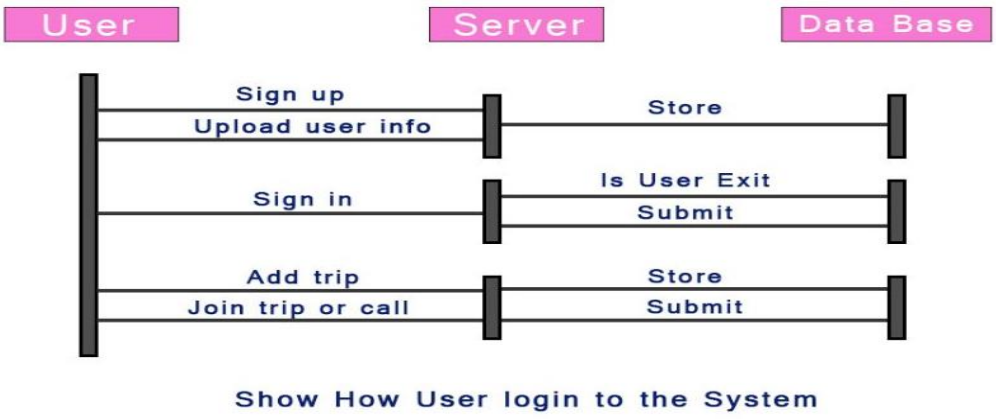
Activity diagram is another important diagram in UML to describe the dynamic aspects of the system. Activity diagram is basically a flowchart to represent the flow from one activity to another activity. The activity can be described as an operation of the system. The control flow is drawn from one operation to another. This flow can be sequential, branched, or concurrent. Activity diagrams deal with all type of flow control by using different elements

purpose of an activity diagram can be described as –

Draw the activity flow of a system.

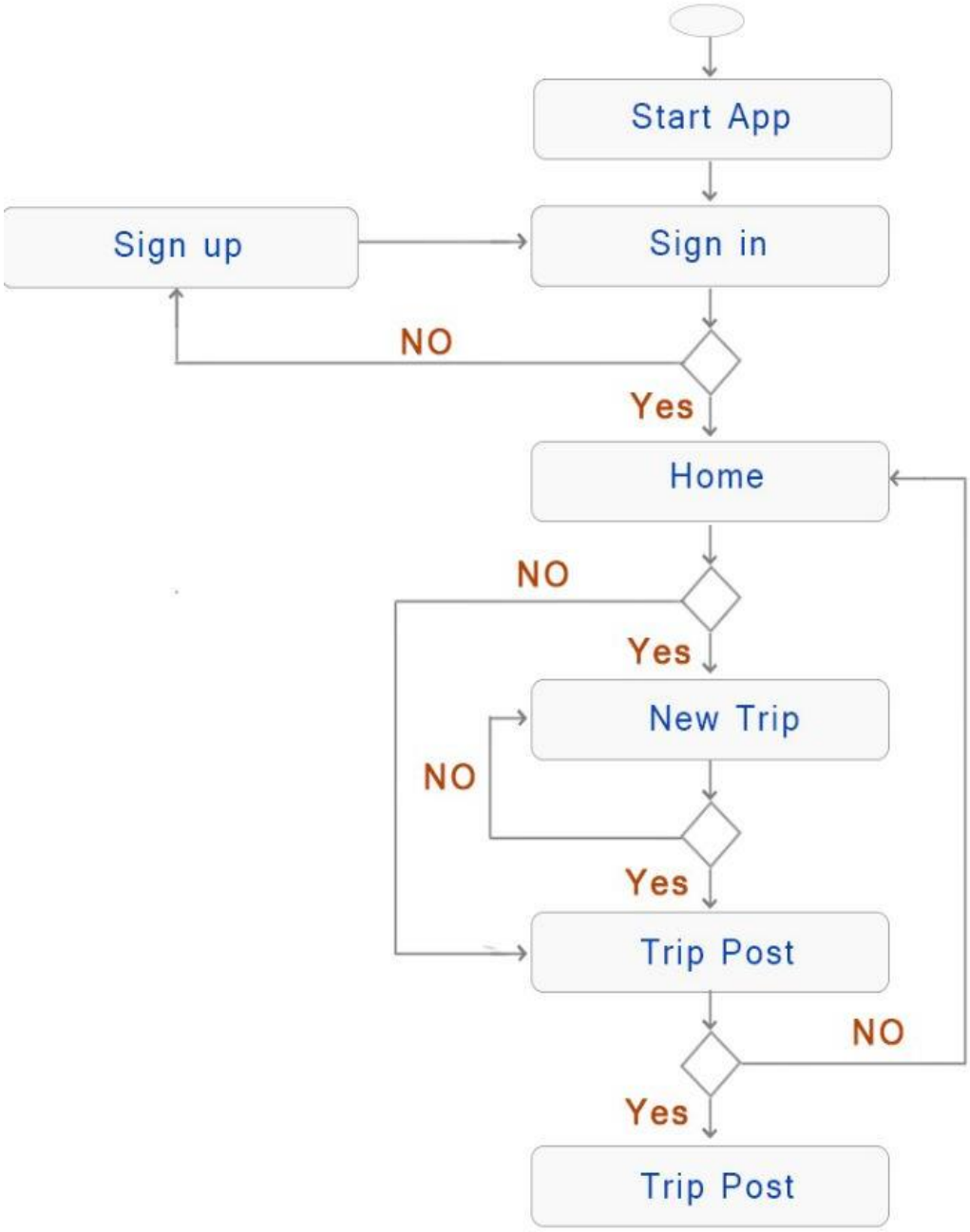
Describe the sequence from one activity to another.

Describe the parallel, branched and concurrent flow of the system.



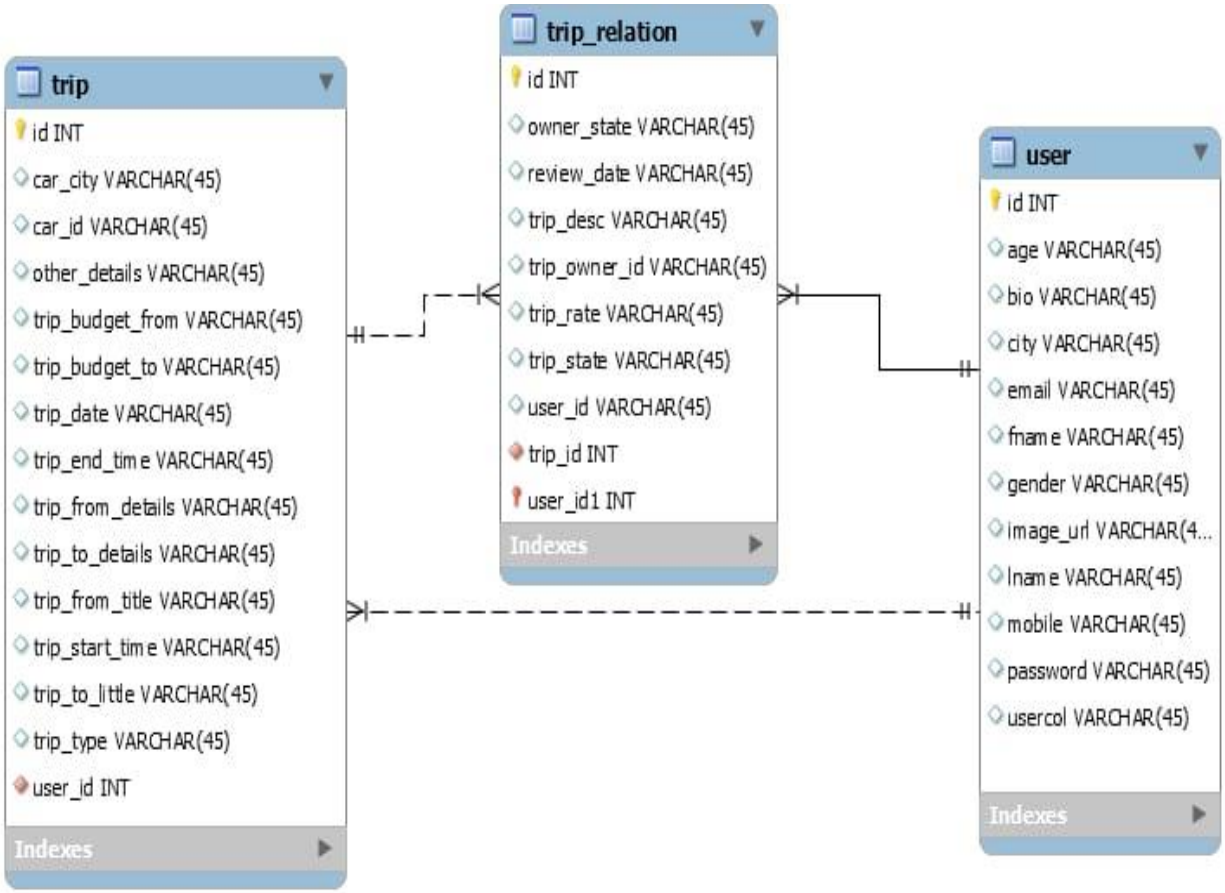
(Figure 2.4) Activity

Activity diagram



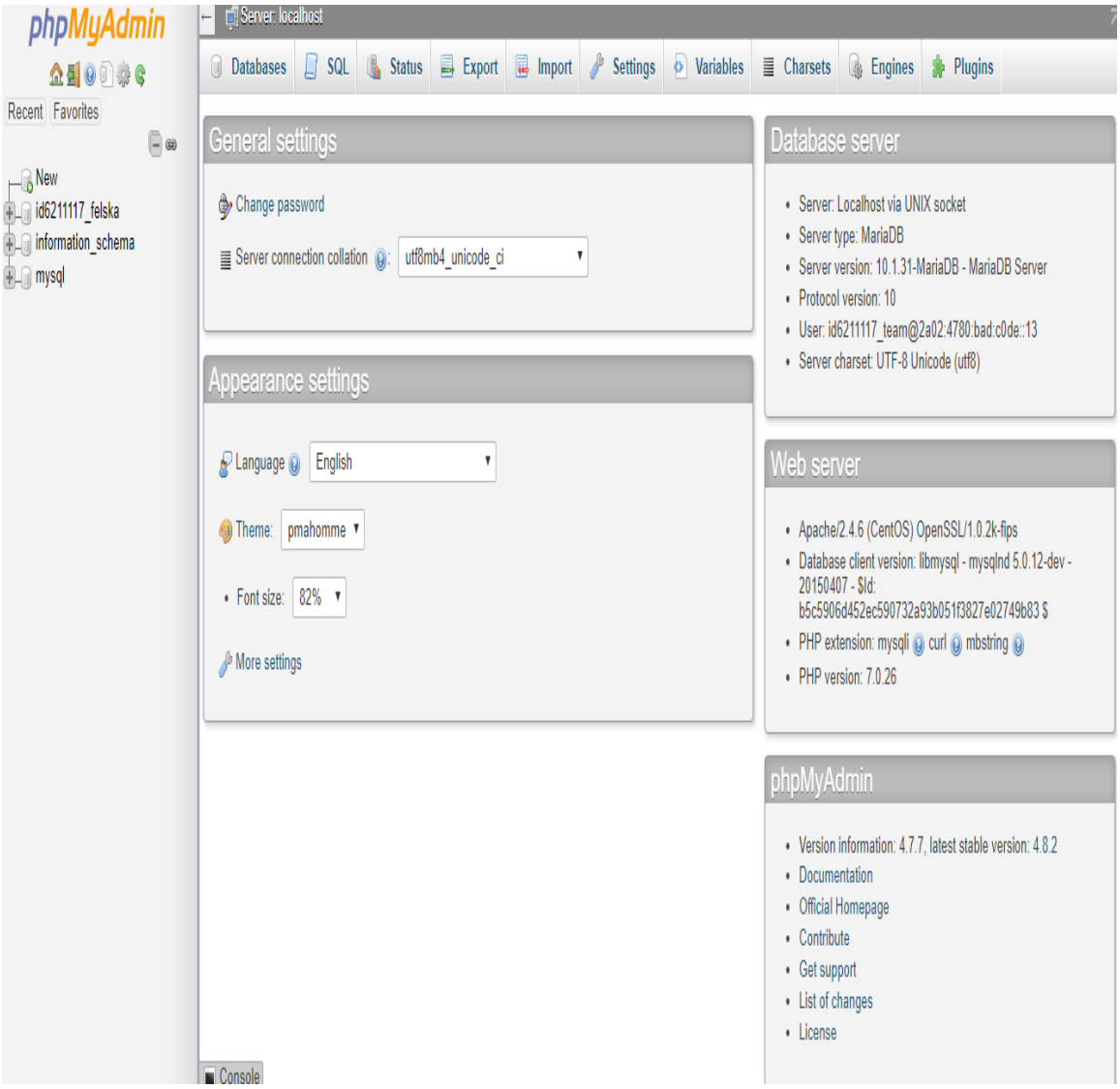
(Figure 2.5) Activity diagram

Chapter 3
ER Diagram



(Figure 3.0) ER diagram

Phpmyadmin

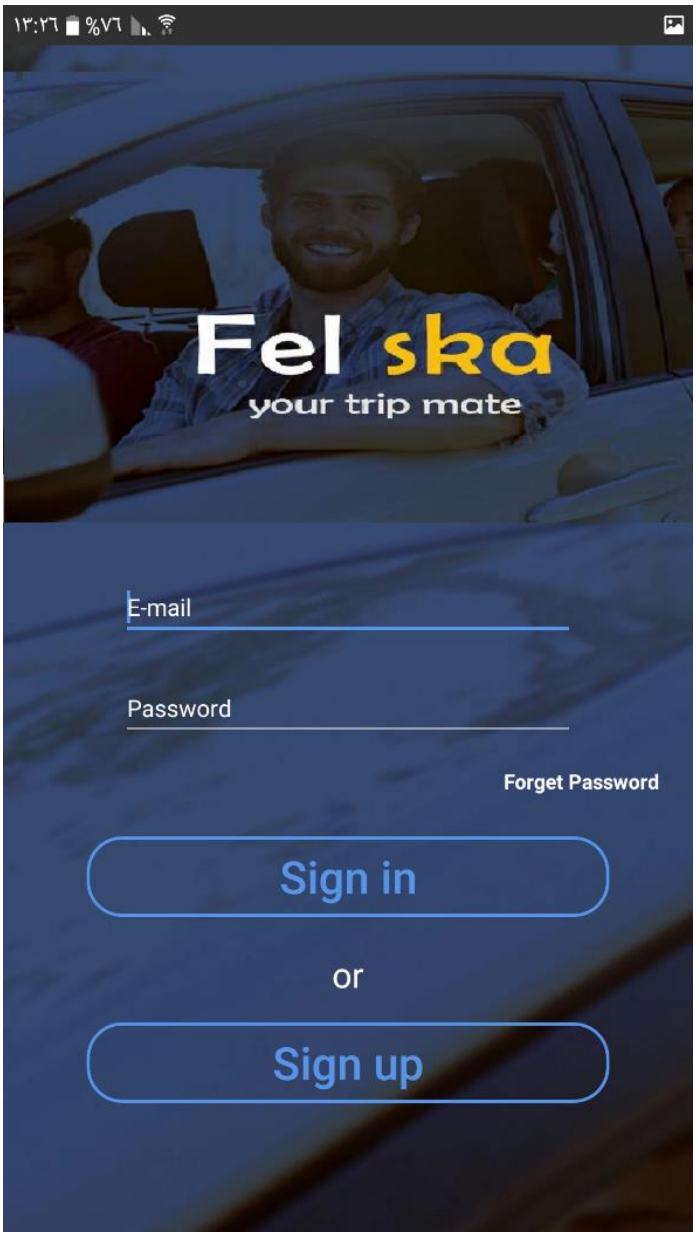


(Figure 3.1) PhpMyAdmin

Logo Page

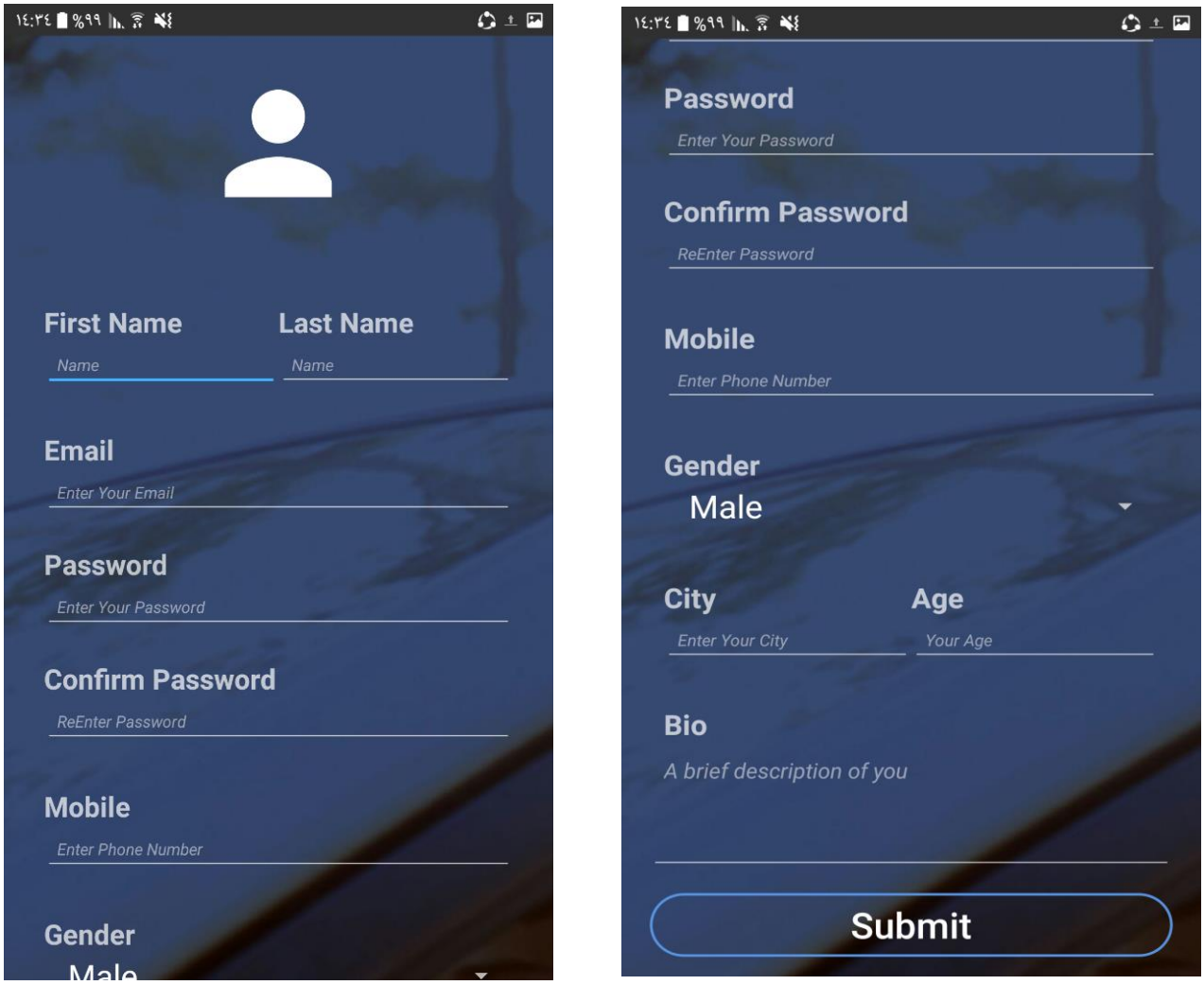
Figure 3.2) Logo page

Login Page



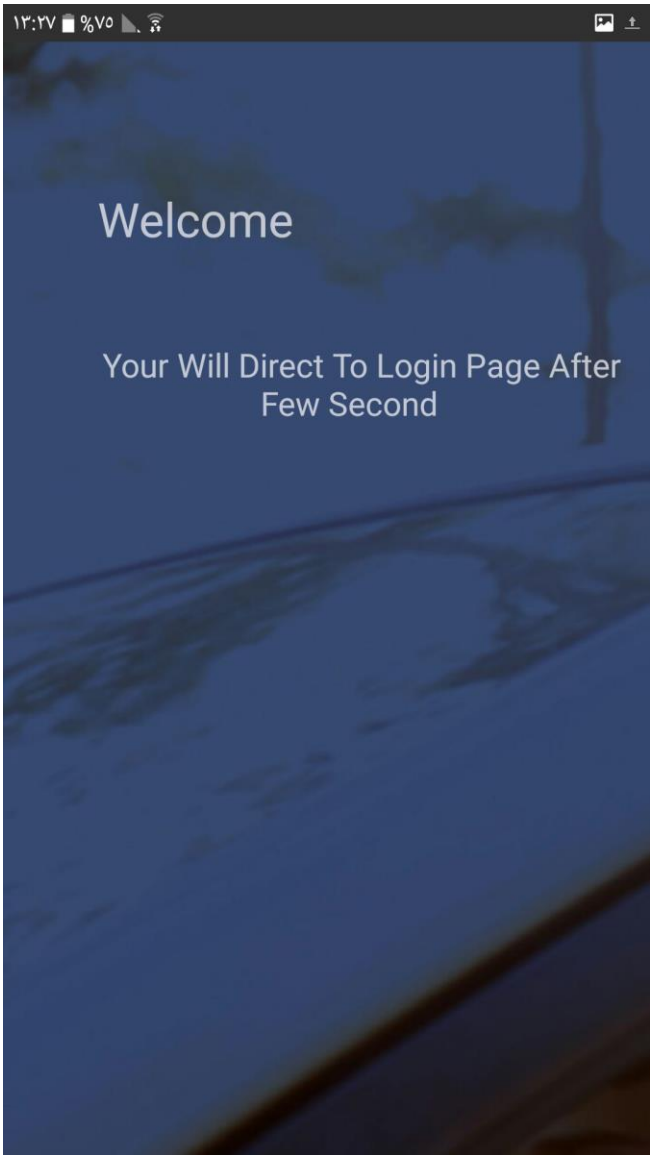
(Figure 3.3) Login page

Register Page



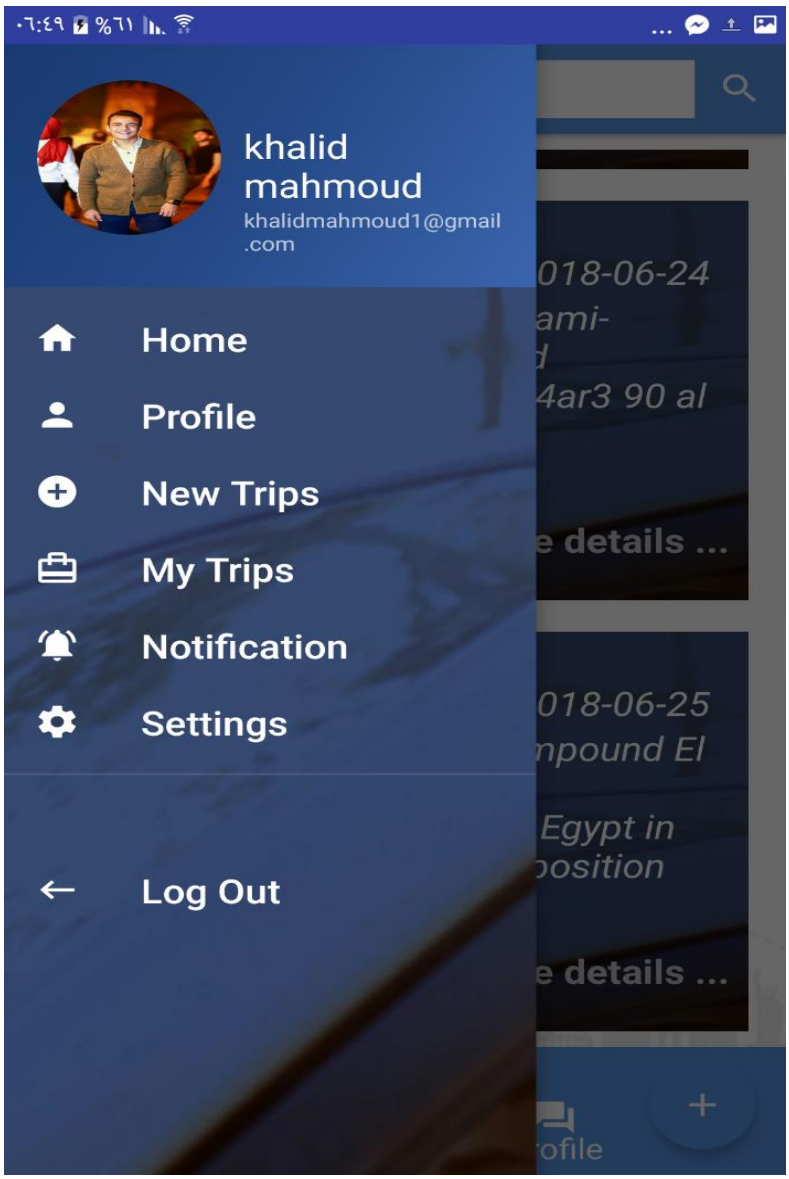
(Figure 3.4) Register page

Welcome Page



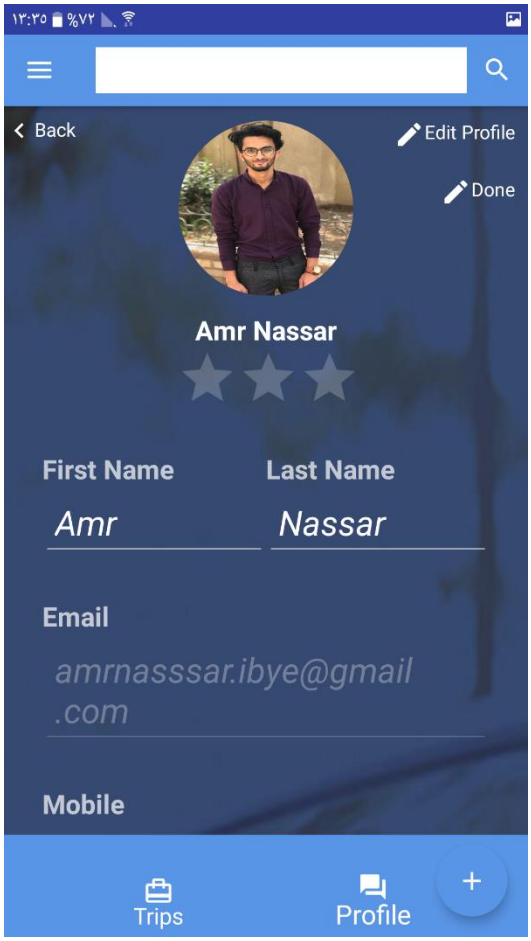
(Figure 3.5) Welcome Page

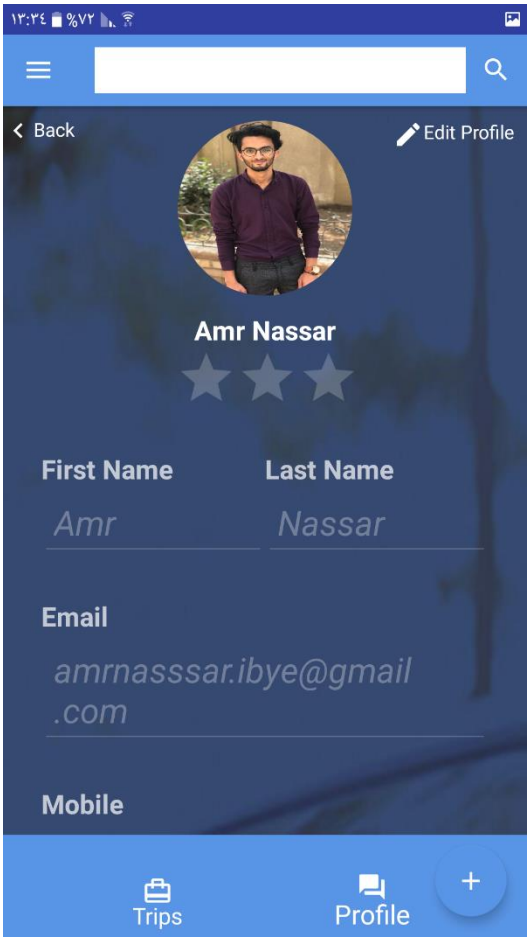
Side Menu



(Figure 3.6) Side menu page

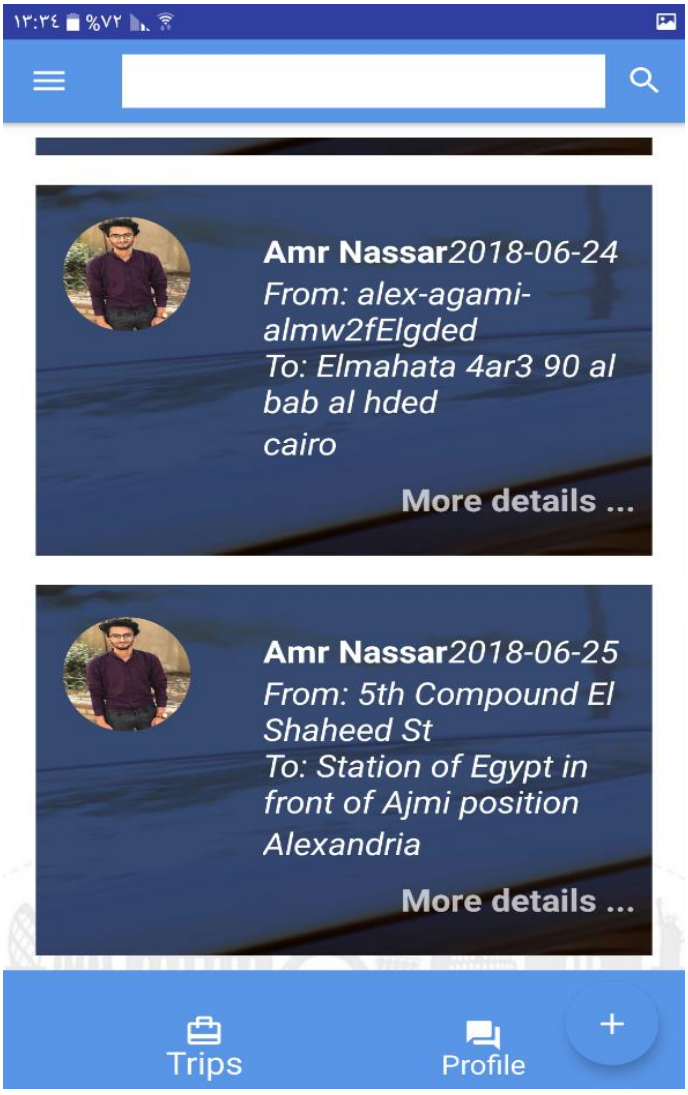
Profile page & Edit profile page





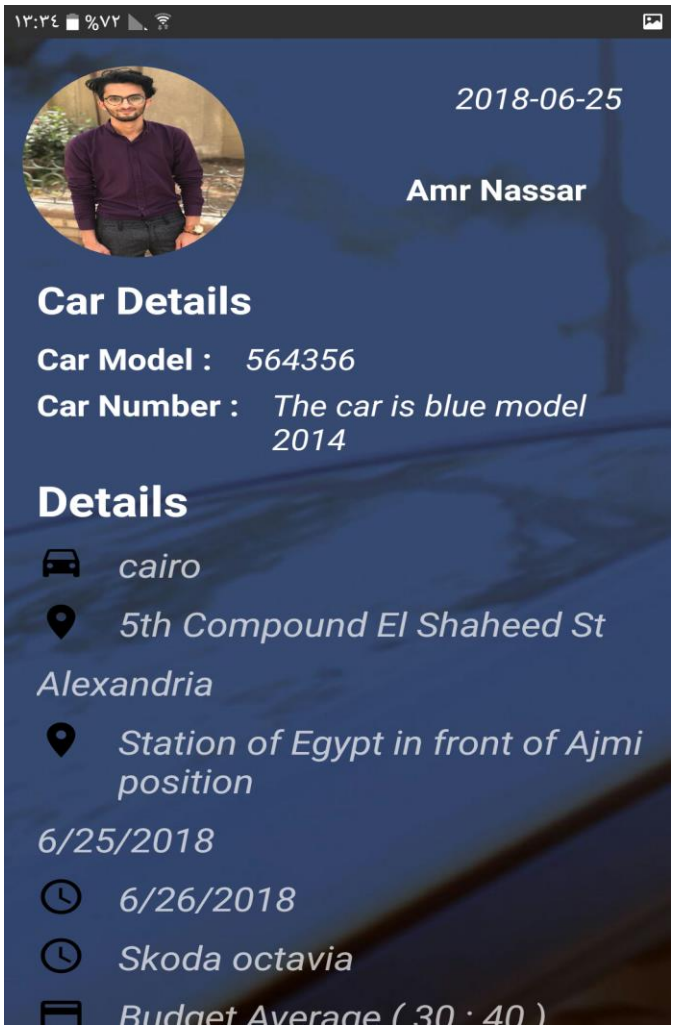
(Figure 3.7) Profile page

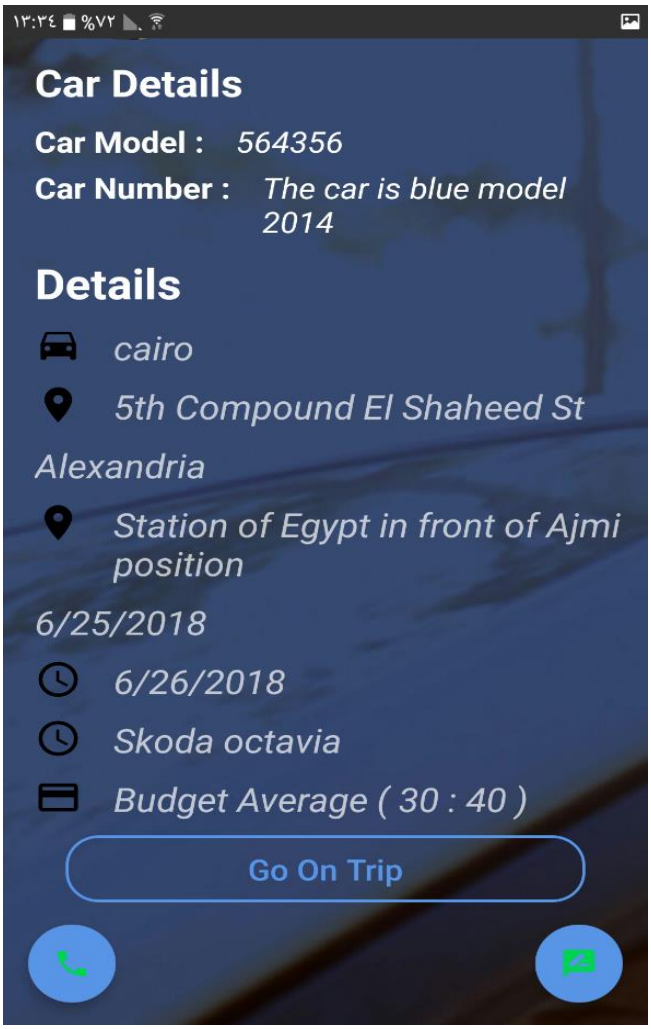
Trips Page



(Figure 3.8) Trips Page

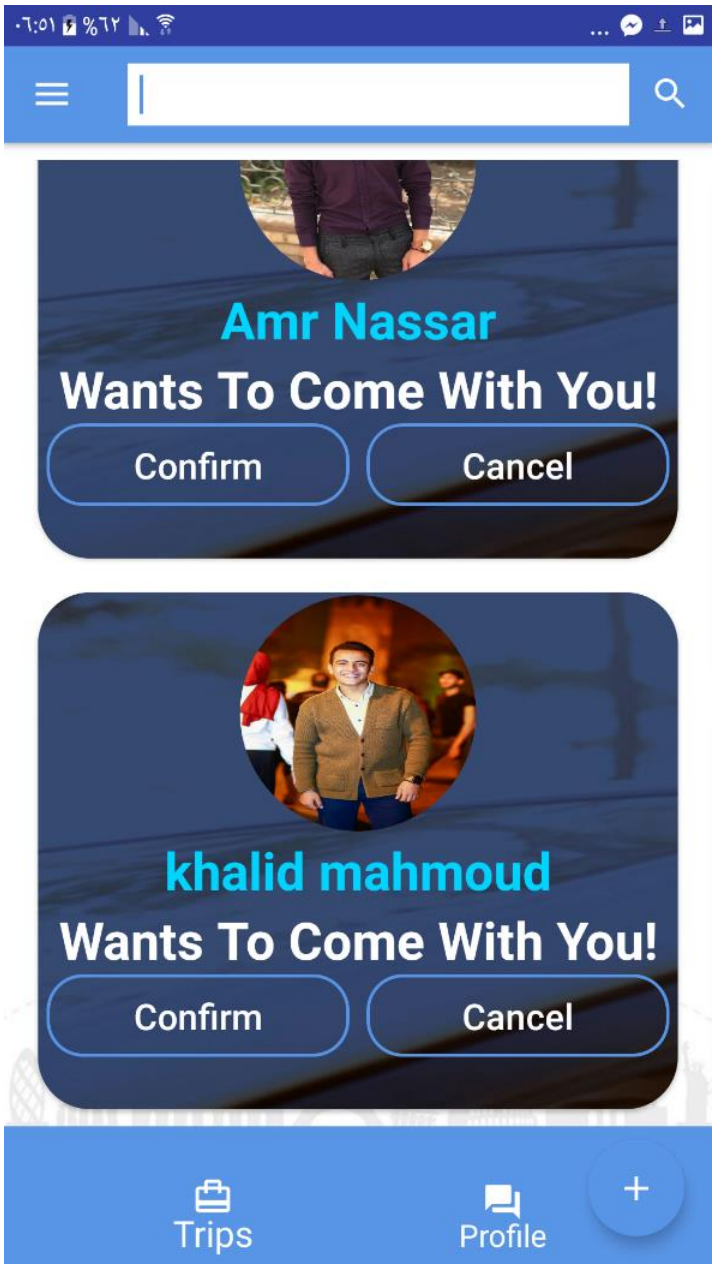
Trip Details Page





(Figure 3.9) Trip details page

Notifications



(Figure 3.10) Notification page

New trip steps

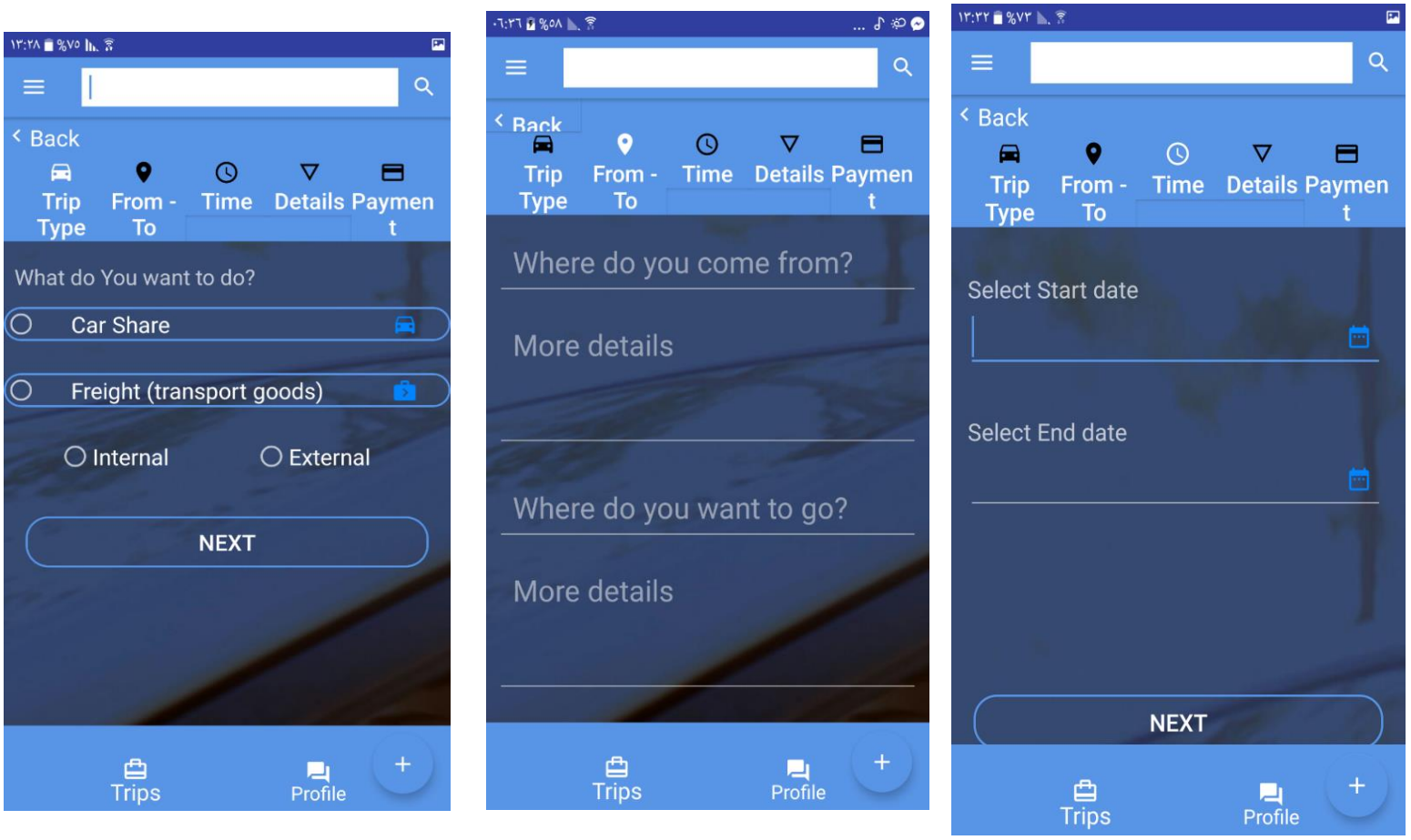


Figure 3.11) New Trip Page

Chapter4
Java Code for Logo Page Which Direct User to Login Page Automatically

```
package com.felska.fci.felska;

import android.content.Intent;
import android.os.Handler;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;

public class MainOne extends AppCompatActivity}
   private static int SPLASH_TIME_OUT;2000=

@    Override
   protected void onCreate(Bundle savedInstanceState)}
      super.onCreate(savedInstanceState);
      setContentView(R.layout.activity_main_one;(
      new Handler().postDelayed)new Runnable} ()
@          Override
         public void run} ()
            startActivity)new Intent(MainOne.this ,LoginActivity.class;((
            finish;()
{
,{       SPLASH_TIME_OUT;(
{
{
```

Sign in java Code

```
sign_in.setOnClickListener)new View.OnClickListener} ()
@    Override
   public void onClick(View v)}
      semail = email.getText().toString;()
      spass = pass.getText().toString;()
      if) semail.length && 0<()spass.length} (0<()
         RequestQueue queue =
Volley.newRequestQueue)LoginActivity.this;(
         StringRequest request = new
StringRequest(Request.Method.POST ,
"https://felska.000webhostapp.com/Login.php ,"new
Response.Listener>String} ()<
@              Override
            public void onResponse(String response)}

               try}
                  JSONObject object = new JSONObject(response);
                  JSONArray jsonArray = object.getJSONArray")result;("
                  final JSONObject object1 = jsonArray.getJSONObject;(0)
                  if) object1.getString")response.("equals")Ok} (("
                     String user_id = object1.getString")id;("
                     database.UpdateData,"1")user_id,semail;("1",
                     startActivity)new Intent(LoginActivity.this ,
MainActivity.class;((
{                    else}
                     Toast.makeText)LoginActivity.this" ,No Such Email ,"
Toast.LENGTH_SHORT.(show;()
{

 {                 catch) JSONException e} (
                   e.printStackTrace;()
{
```

Sign up Android Code

```
sign_up. setOnClickListener) new View.OnClickListener} ()
@    Override
   public void onClick (View v)}
       startActivity) new Intent (LoginActivity.this ,RegisterActivity.class;((
{
;({
```

Main Activity

Bottom Navigation

```
bottomNavigation) = BottomNavigationView (
findViewById(R.id.navigationView;(

bottomNavigation.setOnNavigationItemSelectedListener)new
BottomNavigationView.OnNavigationItemSelectedListener} ()
@    Override
   public boolean onNavigationItemSelected@)NonNull MenuItem item} (
      int id = item.getItemId;()
      switch) id} (
         case R.id.navigation_trips:
            fragment = new TripsFragment;()
            break;
         case R.id.navigation_profile:
            fragment = new ProfileFragment;()
            break;
{
      final FragmentTransaction transaction =
fragmentManager.beginTransaction;()
      transaction.replace(R.id.container ,fragment.(commit;()
      return true;
{
;({
```

Drawer Layout

```
DrawerLayout drawer = (DrawerLayout) findViewById(R.id.drawer_layout;(
ActionBarDrawerToggle toggle = new ActionBarDrawerToggle)
        this ,drawer, toolbar, R.string.navigation_drawer_open ,
R.string.navigation_drawer_close;(
drawer.addDrawerListener(toggle);
toggle.syncState;()

NavigationView navigationView = (NavigationView)
findViewById(R.id.nav_view;(
navigationView.setNavigationItemSelectedListener)this;(
View view = navigationView.getHeaderView;(0)
 //Get Items of navigator (image, name, email)
imageView = view.findViewById(R.id.imageView;(
name = view.findViewById(R.id.name;(
email = view.findViewById(R.id.email;(
search_field = findViewById(R.id.search_field;(
RequestQueue queue = Volley.newRequestQueue)MainActivity.this;(
StringRequest request = new StringRequest(Request.Method.POST ,
"https://felska.000webhostapp.com/GetUserNavInfo.php ,"new
Response.Listener>String} ()<
@    Override

public boolean onNavigationItemSelected(MenuItem item} (
 //    Handle navigation view item clicks here.
    int id = item.getItemId;()
    fragmentManager = getFragmentManager;()
    if) id == R.id.nav_home} (
//        All Trips
        fragment = new TripsFragment.()pass")home;("
        final FragmentTransaction transaction =
fragmentManager.beginTransaction;()
        transaction.replace(R.id.container ,fragment.(commit;()
 {    else if) id == R.id.nav_profile} (
```

```
        fragment = new ProfileFragment;()
        final FragmentTransaction transaction =
fragmentManager.beginTransaction;()
        transaction.replace(R.id.container ,fragment.(commit;()
 {    else if) id == R.id.nav_new_trip} (
//        Last Trips (Recursive) From down to up
        fragment = new TripsFragment.()pass")new;("
        final FragmentTransaction transaction =
fragmentManager.beginTransaction;()
        transaction.replace(R.id.container ,fragment.(commit;()


 {else if) id == R.id.nav_my_trip} (
//           All Trips Of Me
           fragment = new TripsFragment.()pass")mine;("
           final FragmentTransaction transaction =
fragmentManager.beginTransaction;()
           transaction.replace(R.id.container ,fragment.(commit;()
 {       else if) id == R.id.nav_notification} (
//           All Trips of people who wants to come with me
           fragment = new NotificationFragment;()
           final FragmentTransaction transaction =
fragmentManager.beginTransaction;()
           transaction.replace(R.id.container ,fragment.(commit;()
 {       else if) id == R.id.nav_settings} (

 {       else if) id == R.id.nav_logout} (
           Intent intent = new Intent(MainActivity.this ,LoginActivity.class;(
           database.UpdateData;("0","0","0","1")

intent.setFlags(Intent.FLAG_ACTIVITY_CLEAR_TASK|Intent.FLAG_ACTIVITY
_NEW_TASK;(
           startActivity(intent);
{
```

Register Page Code

Select Image Code

```
image. setOnClickListener) new View.OnClickListener} ()
@    Override
   public void onClick (View v)}
       requestStoragePermission;()
       Intent intent = new Intent;()
       intent. setType")image;("*/
       intent. setAction(Intent.ACTION_GET_CONTENT;(
       startActivityForResult (Intent.createChooser)intent" ,Select
Picture ,("PICK_IMAGE_REQUEST;(
{
;({
```

Storage Permission

```
private void requestStoragePermission} ()
   if) ContextCompat.checkSelfPermission)this ,Manifest.permission.
READ_EXTERNAL_STORAGE == (
PackageManager.PERMISSION_GRANTED(
       return;

   if) ActivityCompat.shouldShowRequestPermissionRationale)this ,
Manifest.permission. READ_EXTERNAL_STORAGE} ((
{

   ActivityCompat.requestPermissions)this ,new
String[]{Manifest.permission.READ_EXTERNAL_STORAGE ,{
STORAGE_PERMISSION_CODE;(
{
```

Registration data

Check the information

```
if) sfname.length} (3 =< ()
    if) slname.length} (3 =< ()
        if) semail.length && 6 =< ()semail.matches")[a-zA-Z0-9._-]+@[a-z]]+.\\+a-z ((**"+[
}
            if) spass.length} (6 =< ()
                if) sconpass.equals)spass} ((
                    if) smobile.length} (3 =< ()
                        if) scity.length} (3 =< ()
                            if) sage.length} (1 =< ()
                                if) image_result} (1 ==
```

Add Parameters To Request

```
new MultipartUploadRequest(RegisterActivity.this ,uploadId ,
"https://felska.000webhostapp.com/InsertNewUser.php("
.       addFileToUpload(path" ,image// ("Adding file
.       addParameter")user_fname ,"sfname// (Adding text parameter to the request
.       addParameter")user_lname ,"slname// (Adding text parameter to the request
.       addParameter")user_age ,"sage// (Adding text parameter to the request
.       addParameter")user_gender ,"sgender// (Adding text parameter to the request
.       addParameter")user_city ,"scity// (Adding text parameter to the request
.       addParameter")user_phone ,"smobile// (Adding text parameter to the request
.       addParameter")user_bio ,"sbio// (Adding text parameter to the request
.       addParameter")user_password ,"spass// (Adding text parameter to the request
.       addParameter")user_email ,"semail// (Adding text parameter to the request
.       setNotificationConfig)new UploadNotificationConfig().setCompletedMessage(("")
.       setMaxRetries(2)
```

Dump the data

```
image.setImageResource(R.drawable.ic_person_black_24dp;(
fname.setText;("")
lname.setText;("")
age.setText;("")
mobile.setText;("")
city.setText;("")
email.setText;("")
pass.setText;("")
conpass.setText;("")
bio.setText;("")
startActivity)new Intent(RegisterActivity.this,RegisterSucces.class;((
Intent i = new Intent(RegisterActivity.this,RegisterSucces.class;(
i.putExtra")FirstName,"sfname;(
startActivity(i);
```

Profile Page Java Code
-Connect To php file and get information

```
RequestQueue queue = Volley.newRequestQueue)getActivity;(()
      StringRequest request = new StringRequest(Request.Method.POST ,
"https://felska.000webhostapp.com/GetUserProfile.php ,"new
Response.Listener>String} ()<
@          Override
         public void onResponse(String response)}

            progressDialog.dismiss;()
            try}
               JSONObject object = new JSONObject(response);
               JSONArray jsonArray = object.getJSONArray")user_data;("

               final JSONObject object1 = jsonArray.getJSONObject;(0)
               try}
                  Picasso.with)getActivity(()
.                       load(object1.getString")image_url(("
.                       into)imageView;(
{               catch) Exception e}(
                  //Toast.makeText()
{
               user_name.setText(object1.getString")fname + " " + ("
object1.getString")lname;(("
               fname.setText(object1.getString")fname;(("
               lname.setText(object1.getString")lname;(("
               mobile.setText(object1.getString")mobile;(("
               email.setText(object1.getString")email;(("
               age.setText(object1.getString")age;(("
               gender.setText(object1.getString")gender;(("
               bio.setText(object1.getString")bio;(("
               city.setText(object1.getString")city;(("
```

Check Connection And Server Error

```
new Response.ErrorListener} ()
@    Override
```

```
    public void onErrorResponse(VolleyError error)}
        if) error instanceof ServerError} (
            Toast.makeText)getActivity" ,()Server Error ,"Toast.LENGTH_SHORT.(show;()
            progressDialog.dismiss;()
{       else if) error instanceof NetworkError} (
            Toast.makeText)getActivity" ,()Bad Network ,"Toast.LENGTH_SHORT.(show;()
            progressDialog.dismiss;()
{       else if) error instanceof TimeoutError} (
            Toast.makeText)getActivity" ,()Timeout Error ,"Toast.LENGTH_SHORT.(show;()
            progressDialog.dismiss;()
{       else}
            progressDialog.dismiss;()
            Toast.makeText)getActivity ,()error.getMessage(),
Toast.LENGTH_SHORT.(show;()
{
{
({
```

Put Information

```
    protected Map>String, String <getParams ()throws AuthFailureError}
        Map>String, String <params = new HashMap>String ,String;()<
            params.put")user_fname ,"fname.getText().toString;(()
            params.put")user_lname ,"lname.getText().toString;(()
            params.put")user_age ,"age.getText().toString;(()
            params.put")user_gender ,"gender.getText().toString;(()
            params.put")user_city ,"city.getText().toString;(()
            params.put")user_phone ,"mobile.getText().toString;(()
            params.put")user_bio ,"bio.getText().toString;(()
            params.put")user_email ,"email.getText().toString;(()
                return params;
                {
```

Welcome page to the new users
-Get user name from register page

```
public class RegisterSucces extends AppCompatActivity}
TextView x1;
private static int SPLASH_TIME_OUT;5000=
@    Override
   protected void onCreate(Bundle savedInstanceState)}
       super.onCreate(savedInstanceState);
       setContentView(R.layout.activity_register_succes;(
       new Handler().postDelayed)new Runnable} ()
@           Override
          public void run} ()
              x1 = findViewById(R.id.editText111;(
              Bundle b = getIntent().getExtras;()
              String t = b.getString")FirstName;("
              x1.setText")Welcome + " " + "t;(
              startActivity)new Intent(RegisterSucces.this ,
LoginActivity.class;((
              finish;()
{
,{       SPLASH_TIME_OUT;(
{
{
```

Trip Adapter

```
public class TripAdapter extends
RecyclerView.Adapter>TripAdapter.VHolder} <
    List>TripData <row_items;
    private final OnItemClickListener listener;
    Context context;

    public interface OnItemClickListener}
        void onItemClick(TripData item;(
{

    public TripAdapter(List>TripData <row_items, OnItemClickListener
listener, Context context} (
        this.row_items = row_items;
        this.listener = listener;
        this.context = context;
{

@    Override
    public TripAdapter.VHolder onCreateViewHolder(ViewGroup parent ,
int viewType} (
        View v = LayoutInflater.from)parent.getContext(()
.               inflate(R.layout.trip_row,parent,false;(
        return new VHolder(v);
{

@    Override
    public void onBindViewHolder(TripAdapter.VHolder holder ,int
position} (
        final TripData noti_item = row_items.get(position);
        holder.bind)row_items.get(position) ,listener;(

holder.name.setText(noti_item.getName());
        holder.date.setText(noti_item.getDate());
        holder.from_to.setText")From+" :noti_item.getFrom\"+()n"+"To :
```

```
+"noti_item.getTo;(()
        holder.description.setText(noti_item.getDescription());
        noti_item.getId;()
        Picasso.with)context(
.               load(noti_item.getImageurl())
.               into(holder.imageView;(

{

@    Override
    public int getItemCount} ()
        return row_items.size;()
{

    public class VHolder extends RecyclerView.ViewHolder}
        TextView name ,date ,description ,from_to;
        ImageView imageView;
        public VHolder(View itemView)}
            super )itemView;(
            name =
)TextView)itemView.findViewById(R.id.trip_owner_name;(
            date = (TextView)itemView.findViewById(R.id.trip_time;(
            description =
(TextView)itemView.findViewById(R.id.trip_description;(
            from_to = (TextView)itemView.findViewById(R.id.trip_from_to;(
            imageView =
(ImageView)itemView.findViewById(R.id.trip_image;(
{
        public void bind)final TripData item ,final OnItemClickListener
listener} (

            itemView.setOnClickListener)new View.OnClickListener} ()
@               Override public void onClick(View v)}
                listener.onItemClick)item;(}}}}
```

Trip Data Class

```
public class TripData}
    String id ,name ,date ,description ,imageurl;
    String from ,to;

    public TripData(String id, String name, String date, String description, String imageurl,
String from, String to} (
        this.id = id;
        this.name = name;
        this.date = date;
        this.imageurl = imageurl;
        this.description = description;
        this.from = from;
        this.to = to;
{
public String getDate} ()
        return date;
{

    public String getDescription} ()
        return description;
{

    public String getName} ()
        return name;
{

    public String getImageurl} ()
        return imageurl;
{

    public String getFrom} ()
        return from;
{

    public String getTo} ()
        return to;}
```

Trips Fragments

```
public View onCreateView(LayoutInflater inflater@ ,Nullable ViewGroup container,
Bundle savedInstanceState} (
        View view = inflater.inflate(R.layout.fragment_trips ,container ,false;(
        recyclerView = (RecyclerView) view.findViewById(R.id.list_all_trips;(
        dataItems = new ArrayList>TripData;()<
        //Toast.makeText(getActivity(),word,""+Toast.LENGTH_SHORT).show;()
        recyclerView.setLayoutManager)new LinearLayoutManager(view.getContext());(
        database = new Database(getActivity());
        return view;
{

@    Override
    public void onStart} ()
        super.onStart;()
        cursor = database.ShowData;()
        while) cursor.moveToNext} (()
            user_id = cursor.getString;(1)
{
        if) word.equals")home} ((
            URL" = https://felska.000webhostapp.com/GetTrips.php;"
 {      else if) word.equals")mine} ((
            URL" = https://felska.000webhostapp.com/GetMyTrips.php;"
 {      else if) word.equals")new} ((
            URL" = https://felska.000webhostapp.com/GetNewTrips.php;"
 {      else}
            URL" = https://felska.000webhostapp.com/GetTripsWithSearch.php;"
{
        final int size = dataItems.size;()
        if) size} (0 <
            for) int i ;0 = i > size; i} (++
                dataItems.remove;(0)
{
            //adapter.notifyItemRangeRemoved(0, size);
{
        final ProgressDialog progressDialog = new ProgressDialog(getActivity());
        Toast.makeText)getActivity ,()word ,Toast.LENGTH_SHORT.(show;()

progressDialog.setMessage")Loading Data;("...
        progressDialog.show;()
```

```
        StringRequest stringRequest = new StringRequest(Request.Method.POST ,URL,
                new Response.Listener>String} ()<
@                   Override
                  public void onResponse(String response)}
                    try}
                        String s = URLEncoder.encode)response" ,ISO-8859-1;("
                        response = URLDecoder.decode)s" ,UTF-8;("
 {                    catch) UnsupportedEncodingException e} (
                        e.printStackTrace;()
{
                    progressDialog.dismiss;()
                    try}
                        JSONObject jsonObject = new JSONObject(response);
                        JSONArray jsonArray = jsonObject.getJSONArray")trip_data;("
                        for) int i ;0 = i > jsonArray.length(); i} (++
                            JSONObject object = jsonArray.getJSONObject(i);
//                           String id, String name, String date, String description, String
imageurl, String from_to
                            TripData item = new TripData)
                                    object.getString")id,("
                                    object.getString")fname + " " + ("
object.getString")lname,("
                                    object.getString")trip_date,("
                                    object.getString")trip_from_details,("
                                    object.getString")image_url,("
                                    object.getString")trip_from_title,("
                                    object.getString")trip_to_title("
;(
                            dataItems.add(item);
{
                        recyclerView.setAdapter)new TripAdapter)dataItems ,new
TripAdapter.OnItemClickListener} ()

@                           Override
                            public void onItemClick(TripData item)}
                                //Toast.makeText(getActivity" ,()Item Clicked ,"
Toast.LENGTH_LONG).show;()
                                Intent intent = new Intent(getActivity ,()
TripDetailsActivity.class;(
                                intent.putExtra")trip_id ,"item.getId;(()
                                startActivity(intent);
```

```
{
 ,{                    getActivity;((()
                    recyclerView.setAdapter(adapter);

                {                    catch) JSONException e} (
                                        e.printStackTrace;()
                              {
                                {
                ,{              new Response.ErrorListener} ()
                              @           Override
                public void onErrorResponse(VolleyError error)}
                                progressDialog.dismiss;()
                Toast.makeText)getActivity ,()error.getMessage(),
                    Toast.LENGTH_SHORT.(show;()
                                {
                                } ({
                              @           Override
                protected Map>String, String <getParams ()throws
                              AuthFailureError}
                HashMap>String ,String <hashMap = new HashMap;()<>
                          hashMap.put")user_id ,"user_id;(
                          hashMap.put")word ,"word;(
                                return hashMap;
                                {
                                ;{
                Volley.newRequestQueue(getActivity()).add(stringRequest);
                                {
```

Notification Adapter Which used To Active Recycle View

```
public class NotificationAdapter extends
RecyclerView.Adapter>NotificationAdapter.VHolder} <
```

```
List>NotData <row_items;
private final OnItemClickListener listener;
Context context;

public interface OnItemClickListener}
    void onItemClick(NotiData item;(
    {

public NotificationAdapter(List>NotiData <row_items,
OnItemClickListener listener, Context context} (
    this.row_items = row_items;
    this.listener = listener;
    this.context = context;
    {

@   Override
public NotificationAdapter.VHolder onCreateViewHolder(ViewGroup
parent ,int viewType} (
    View v = LayoutInflater.from)parent.getContext((
.       inflate(R.layout.notification_item ,parent ,false;(
    return new VHolder(v);
    {

@   Override
public void onBindViewHolder(NotificationAdapter.VHolder holder ,int
position} (
    final NotiData noti_item = row_items.get(position);
    holder.bind)row_items.get(position) ,listener;(

    try}
    holder.name.setText(noti_item.getName());
    //noti_item.getId;()
    Picasso.with)context(
.       load(noti_item.getImageurl())
.       into(holder.imageView;(
```

```
{catch) Exception e}(
Toast.makeText)context,e.getMessage(),Toast.LENGTH_LONG.(show;()
                                        {
holder.ok.setOnClickListener)new View.OnClickListener} ()
                                    @    Override
                                public void onClick(View v)}
                            Toast.makeText)context ,noti_item.getId ,()
                                Toast.LENGTH_SHORT.(show;()

final ProgressDialog progressDialog = new ProgressDialog)context;(
                            progressDialog.setMessage")Loading Data;("...
                                progressDialog.setCancelable)false;(
                                    progressDialog.show;()
                                StringRequest stringRequest = new
                            StringRequest(Request.Method.POST ,
"https://felska.000webhostapp.com/AnswerReview.php","
                                    new Response.Listener>String} ()<
                                @                   Override
                                public void onResponse(String response)}
                                                try}
                            String s = URLEncoder.encode)response" ,ISO-8859-1;("
                                response = URLDecoder.decode)s" ,UTF-8;("
{                           catch) UnsupportedEncodingException e} (
                                                e.printStackTrace;()
                                        {
                                            progressDialog.dismiss;()
                                        Toast.makeText)context ,response,
                                    Toast.LENGTH_SHORT.(show;()

                                        {
                                ,{          new Response.ErrorListener} ()
                                        @           Override
                                public void onErrorResponse(VolleyError error)}
                                            progressDialog.dismiss;()
                                    Toast.makeText)context ,error.getMessage(),
```

NotiData Class

```
package com.felska.fci. felska;

public class NotiData}
    String id ,name ,imageurl;

    public NotiData (String id, String name, String imageurl} (
        this.id = id;
        this.name = name;
        this.imageurl = imageurl;
{

    public String getName} ()
        return name;
{

    public String getImageurl} ()
        return imageurl;
{

    public String getId} ()
        return id;
{
{
```

Review Adapter

```
public class ReviewAdapter extends
RecyclerView.Adapter>ReviewAdapter.VHolder} <
    List>ReviewData <row_items;
    Context context;

    public ReviewAdapter(List>ReviewData <row_items, Context context} (
        this.row_items = row_items;
        this.context = context;
{

@    Override
    public ReviewAdapter.VHolder onCreateViewHolder(ViewGroup parent ,
int viewType} (
        View v = LayoutInflater.from)parent.getContext(()
.               inflate(R.layout.review_row,parent,false;(
        return new VHolder(v);
{

@    Override
    public void onBindViewHolder(ReviewAdapter.VHolder holder ,int
position} (
        final ReviewData noti_item = row_items.get(position);

        holder.name.setText(noti_item.getName());
        holder.date.setText(noti_item.getDate());
        holder.description.setText(noti_item.getDescription());
        holder.ratingBar.setRating(noti_item.getRate());
        Picasso.with)context(
.               load(noti_item.getImageurl())
.               into(holder.imageView;(

{
```

```
@    Override
   public int getItemCount} ()
      return row_items.size;()
{

   public class VHolder extends RecyclerView.ViewHolder}
      TextView name ,date ,description;
      RatingBar ratingBar;
      ImageView imageView;
      public VHolder(View itemView)}
         super )itemView;(
         name = (TextView)itemView.findViewById(R.id.review_name;(
         date = (TextView)itemView.findViewById(R.id.review_time;(
         description =
(TextView)itemView.findViewById(R.id.review_description;(
         imageView =
(ImageView)itemView.findViewById(R.id.review_image;(
         ratingBar = (RatingBar) itemView.findViewById(R.id.review_rate;(
{
{
{
```

Review Data Class

```
package com.felska.fci.felska;

public class ReviewData}
    String name ,date ,description ,imageurl;
    float rate;

    public ReviewData(String name, String date ,String description, String imageurl ,float
rate} (
        this.name = name;
        this.date = date;
        this.imageurl = imageurl;
        this.description = description;
        this.rate = rate;
{
public float getRate} ()
        return rate;
{

    public String getDate} ()
        return date;
{

    public String getDescription} ()
        return description;
{

    public String getName} ()
        return name;
{

    public String getImageurl} ()
        return imageurl;
{
{
```

Review Page Code

```
try}
                    JSONObject jsonObject = new JSONObject(response);
```

```
                    JSONArray jsonArray = jsonObject.getJSONArray")review;("
                    for) int i ;0=i>jsonArray.length(); i}(++
                        JSONObject object = jsonArray.getJSONObject(i);
                        //String name, String date, String description, String imageurl,
float rate
                        ReviewData item = new ReviewData)
                                object.getString")fname+" "+("object.getString")lname,("
                                object.getString")review_date,("
                                object.getString")trip_desc,("
                                object.getString")image_url,("
                                Float.parseFloat)object.getString")trip_rate(("
;(
                        dataItems.add(item);
{
                    recyclerView.setAdapter )new ReviewAdapter)dataItems ,
getActivity;(( ()
                    //recyclerView.setAdapter(adapter);

 {                 catch) JSONException e} (
                    e.printStackTrace;()
{
recyclerView.setLayoutManager)new LinearLayoutManager(view.getContext());(
   database = new Database(getActivity());
   return view;
{

@Override
public void onStart} ()
   super.onStart;()
   cursor = database.ShowData;()
   while) cursor.moveToNext}(()
      user_id = cursor.getString;(1)
{
   final ProgressDialog progressDialog = new ProgressDialog(getActivity());
   progressDialog.setMessage")Loading Data;("...
   progressDialog.show;()
   StringRequest stringRequest = new StringRequest )Request.Method.POST ,
"https://felska.000webhostapp.com/GetReviews.php,"
         new Response.Listener>String} ()<
@             Override
```

```
            public void onResponse(String response)}
                try}
                    String s = URLEncoder.encode)response",ISO-8859-1;("
                    response = URLDecoder.decode)s",UTF-8;("
{                   catch) UnsupportedEncodingException e}(
                    e.printStackTrace;()
{
                progressDialog.dismiss;()
```

Trip Details Activity Page Code

```
final RequestQueue queue = Volley.newRequestQueue)TripDetailsActivity.this;(
      StringRequest request = new StringRequest(Request.Method.POST ,
"https://felska.000webhostapp.com/GetTripsDteails.php ,"new
Response.Listener>String} ()<
@           Override
         public void onResponse(String response)}

            progressDialog.dismiss;()
            try}
               JSONObject object = new JSONObject(response);
               JSONArray jsonArray = object.getJSONArray")trip_data;("

               final JSONObject object1 = jsonArray.getJSONObject;(0)

               owner_id = object1.getString")owner_id;("
//               https://felska.000webhostapp.com/images/1.jpg
               if) object1.getString")image_url =! ("null(
                  Picasso.with)TripDetailsActivity.this(
.                       load(object1.getString")image_url(("
.                       into)trip_image;(
               //Toast.makeText(TripDetailsActivity.this ,object1.getString")image_url ,("
Toast.LENGTH_LONG).show;()

trip_owner_name.setText(object1.getString")fname + " " + ("
object1.getString")lname;(("
      trip_time.setText(object1.getString")trip_date;(("
      location_from.setText(object1.getString")trip_from_title;(("
      location_to.setText(object1.getString")trip_to_title;(("
      trip_type.setText(object1.getString")trip_type;(("
      from_detail.setText(object1.getString")trip_from_details;(("
      to_detail.setText(object1.getString")trip_to_details;(("
      money.setText")Budget Average + " ) object1.getString")trip_budget_from + ("
 + " : "object1.getString")trip_budget_to;("( " + ("
      time_start.setText(object1.getString")trip_start_time;(("
      time_end.setText(object1.getString")trip_end_time;(("
      car_name.setText(object1.getString")car_city;(("
      car_num.setText(object1.getString")car_id;(("
      phone = object1.getString")mobile;("
```

Call and Join Trip button

```
call.setOnClickListener)new View.OnClickListener} ()
@    Override
   public void onClick(View v)}
      startActivity)new Intent(Intent.ACTION_DIAL ,Uri.fromParts")tel ,"
phone ,null;(((
{
;({
goon.setOnClickListener)new View.OnClickListener} ()
@           Override
         public void onClick(View v)}
//
Toast.makeText(TripDetailsActivity.this,trip_state,Toast.LENGTH_SHORT).sh
ow;()
            if) trip_state.equals")Not Found} (("!
 //                Go On trip!
               StringRequest request2 = new
StringRequest(Request.Method.POST ,
"https://felska.000webhostapp.com/JoinTrip.php ,"new
Response.Listener>String} ()<
@                    Override
                   public void onResponse(String response)}
                      try}
                         JSONObject jsonObject = new JSONObject(response);
                         JSONArray jsonArray =
jsonObject.getJSONArray")confirm;("
                         JSONObject jsonObject1 =
jsonArray.getJSONObject;(0)
                         Toast.makeText)TripDetailsActivity.this ,
jsonObject1.getString")response ,("Toast.LENGTH_SHORT.(show;()

 {                      catch) JSONException e} (
                         e.printStackTrace;()
{
```

Add Review Button

```
review.setOnClickListener)new View.OnClickListener} ()
@    RequiresApi)api = Build.VERSION_CODES.M(
@    Override
   public void onClick)final View v} (
      if) trip_state.equals} (("2")
 //          Make Review
         inflater) = LayoutInflater (
getSystemService(Context.LAYOUT_INFLATER_SERVICE;(
         alertLayout = inflater.inflate(R.layout.review_feedback ,null;(
         review_feedback = alertLayout.findViewById(R.id.review_feedback;(
         rateUser = alertLayout.findViewById(R.id.review_rate_feedback;(
         final AlertDialog.Builder alert = new
AlertDialog.Builder(TripDetailsActivity.this;(
         alert.setTitle ")Feedback;("
         alert.setView)alertLayout;(
         alert.setCancelable)false;(
         alert.setNegativeButton ")Cancel , "new DialogInterface.OnClickListener} ()
@              Override
            public void onClick(DialogInterface dialog ,int which} (
               if) v =! null} (
                  ViewGroup parent) = ViewGroup (v.getParent;()
                  if) parent =! null} (
                     parent.removeAllViews;()
{
{
{
.({         setPositiveButton ")Submit , "new DialogInterface.OnClickListener} ()
@              Override
            public void onClick(DialogInterface dialog ,int which} (

               if) review_feedback.getText().toString().length} (2 < ()
                  if) rateUser.getRating} (0 =< ()
//

final ProgressDialog dialog1 = new ProgressDialog(TripDetailsActivity.this;(
dialog1.setCancelable)false;(
dialog1.setMessage ")Please Wait;("...
dialog1.show;()
StringRequest request3 = new StringRequest(Request.Method.POST ,
```

```
"https://felska.000webhostapp.com/MakeReview.php ,"new
Response.Listener>String} ()<
@    Override
   public void onResponse(String response)}
      try}
         JSONObject jsonObject  = new JSONObject(response);
         JSONArray jsonArray  = jsonObject.getJSONArray ")confirm;("
         JSONObject jsonObject1  = jsonArray.getJSONObject;(0)
         Toast.makeText)TripDetailsActivity.this ,jsonObject1.getString ")response ,("
Toast.LENGTH_SHORT.(show;()

 {       catch) JSONException e} (
         e.printStackTrace;()
{

{
 ,{new Response.ErrorListener} ()
@    Override
   public void onErrorResponse(VolleyError error)}
      if) error instanceof ServerError} (
         Toast.makeText)TripDetailsActivity.this" ,Server Error ,"
Toast.LENGTH_SHORT.(show;()
         dialog1.dismiss;()
 {       else if) error instanceof NetworkError} (
         Toast.makeText)TripDetailsActivity.this" ,Bad Network ,"
Toast.LENGTH_SHORT.(show;()
         dialog1.dismiss;()
 {       else if) error instanceof TimeoutError} (
         Toast.makeText)TripDetailsActivity.this" ,Timeout Error ,"
Toast.LENGTH_SHORT.(show;()
         dialog1.dismiss;()
 {       else}

/
```

this class initialize connection to database.

```php
<?php

$dbname = 'id6211117_felska';        // Database Name

$dbserver = 'localhost'; // Database Server

$dbusername = 'id6211117_team'; // Database Username

$dbpassword = '123456';       // Database Password

$dbconnect = new mysqli($dbserver, $dbusername, $dbpassword, $dbname);


if ($dbconnect->connect_error)
{
    die("Connection failed: " . $dbconnect->connect_error);
}
else{
    //echo "Connection Success !";
}
?>

```

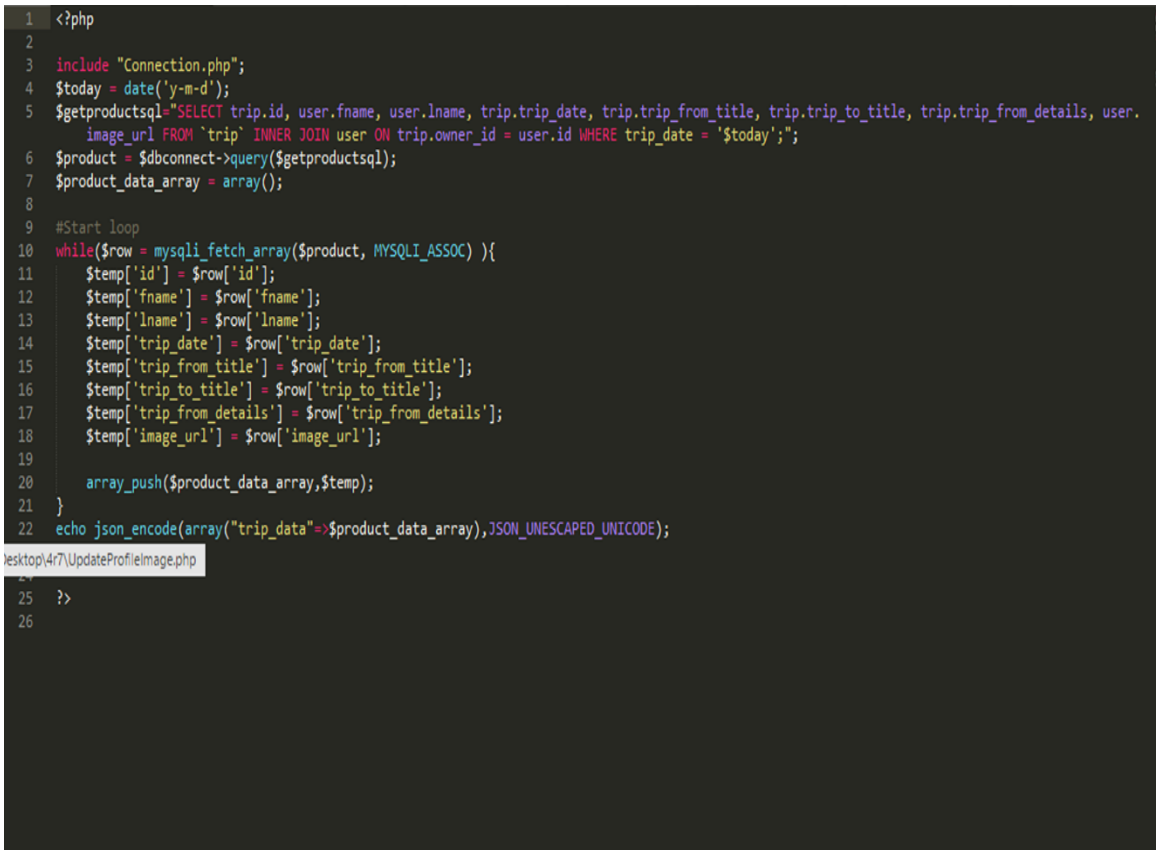
(Figure 4.1) Connection.php

this class allow user login.

```php
<?php
include "Connection.php";
$user_id = array();
if(isset($_POST['email'],$_POST['password'])){
    $email = $_POST['email'];
    $password = $_POST['password'];

    $getuserssql="SELECT id FROM user where email = '$email' AND password = '$password';";
    $users = $dbconnect->query($getuserssql);

    if($users->num_rows > 0 )
    {
        while($row = mysqli_fetch_array($users)){
            $temp['id'] = $row['id'];
            $temp['response'] = "Ok";
            array_push($user_id,$temp);
        }
        echo json_encode(array("result"=>$user_id));
    }else{
        $user_id['response'] = "No Such Email";
        echo json_encode(array("result"=>$user_id));
    }
}else{
    $user_id['response'] = "No Parameters";
    echo json_encode(array("result"=>$user_id));
}
?>

```

(Figure 4.2) login.php

this class allow get new trip.



```php
<?php

include "Connection.php";
$today = date('y-m-d');
$getproductsql="SELECT trip.id, user.fname, user.lname, trip.trip_date, trip.trip_from_title, trip.trip_to_title, trip.trip_from_details, user.
    image_url FROM `trip` INNER JOIN user ON trip.owner_id = user.id WHERE trip_date = '$today';";
$product = $dbconnect->query($getproductsql);
$product_data_array = array();

#Start loop
while($row = mysqli_fetch_array($product, MYSQLI_ASSOC) ){
    $temp['id'] = $row['id'];
    $temp['fname'] = $row['fname'];
    $temp['lname'] = $row['lname'];
    $temp['trip_date'] = $row['trip_date'];
    $temp['trip_from_title'] = $row['trip_from_title'];
    $temp['trip_to_title'] = $row['trip_to_title'];
    $temp['trip_from_details'] = $row['trip_from_details'];
    $temp['image_url'] = $row['image_url'];

    array_push($product_data_array,$temp);
}
echo json_encode(array("trip_data"=>$product_data_array),JSON_UNESCAPED_UNICODE);
esktop\4r7\UpdateProfileImage.php

?>
```

(Figure 4.3) GetNewTrips.php

this class allow get notification trips.

```php
<?php
$trip_data_array = array();
include "Connection.php";
if(isset($_POST['user_id'])){
    $user_id = $_POST['user_id'];
    $getproductsql="SELECT user.fname, user.lname, user.image_url, trip_relation.id FROM (`user` INNER JOIN trip_relation ON user.id =
        trip_relation.user_id) WHERE user.id = '$user_id' AND trip_relation.trip_state = 1 OR trip_relation.owner_state = -1 ;";
    $product = $dbconnect->query($getproductsql);

    #Start loop
    while($row = mysqli_fetch_array($product, MYSQLI_ASSOC) ){
        $temp['fname'] = $row['fname'];
        $temp['lname'] = $row['lname'];
        $temp['id'] = $row['id'];
    //  $temp['trip_to_title'] = $row['trip_to_title'];
    //  $temp['trip_from_details'] = $row['trip_from_details'];
        $temp['image_url'] = $row['image_url'];
        $temp['response'] = "OK";

        array_push($trip_data_array,$temp);
    }
    echo json_encode(array("trip_data"=>$trip_data_array),JSON_UNESCAPED_UNICODE);
    #End loop
}else{
    $trip_data_array['response'] = "NO";
    echo json_encode(array("trip_data"=>$trip_data_array),JSON_UNESCAPED_UNICODE);
}
?>
```

(Figure 4.4) GetNotificationsTrips.php

this class allow get rate profile.

```php
<?php
if(isset($_POST['email'])){
    $email = $_POST['email'];
    include "Connection.php";
    define('MYSQL_ASSOC',MYSQLI_ASSOC);
    $getusersql="SELECT trip_relation.trip_rate FROM user INNER JOIN trip_relation ON user.id = trip_relation.trip_owner_id where email = '$email
        ';";
    $user = $dbconnect->query($getusersql);
    $user_data_array = array();
    $rate = 0;
    #Start loop
    while($row = mysqli_fetch_array($user, MYSQLI_ASSOC) ){
        $temp['rate'] = $row['trip_rate'];
        $rate += $temp['rate'] ;
        //array_push($user_data_array,$temp);
    }
    echo (float)$rate/3;
    #End loop
}else{
    echo "No parameters ! " ;
}
?>
```

(Figure 4.5) GetRateProfile.php

this class allow get Trips.

```php
<?php

include "Connection.php";

$getproductsql="SELECT trip.id, user.fname, user.lname, trip.trip_date, trip.trip_from_title, trip.trip_to_title, trip.trip_from_details, user.
    image_url FROM `trip` INNER JOIN user ON trip.owner_id = user.id ORDER BY trip_date ASC ;";
$product = $dbconnect->query($getproductsql);
$product_data_array = array();

#Start loop
while($row = mysqli_fetch_array($product, MYSQLI_ASSOC) ){
    $temp['id'] = $row['id'];
    $temp['fname'] = $row['fname'];
    $temp['lname'] = $row['lname'];
    $temp['trip_date'] = $row['trip_date'];
    $temp['trip_from_title'] = $row['trip_from_title'];
    $temp['trip_to_title'] = $row['trip_to_title'];
    $temp['trip_from_details'] = $row['trip_from_details'];
    $temp['image_url'] = $row['image_url'];

    array_push($product_data_array,$temp);
}
echo json_encode(array("trip_data"=>$product_data_array),JSON_UNESCAPED_UNICODE);
#End loop

?>
```

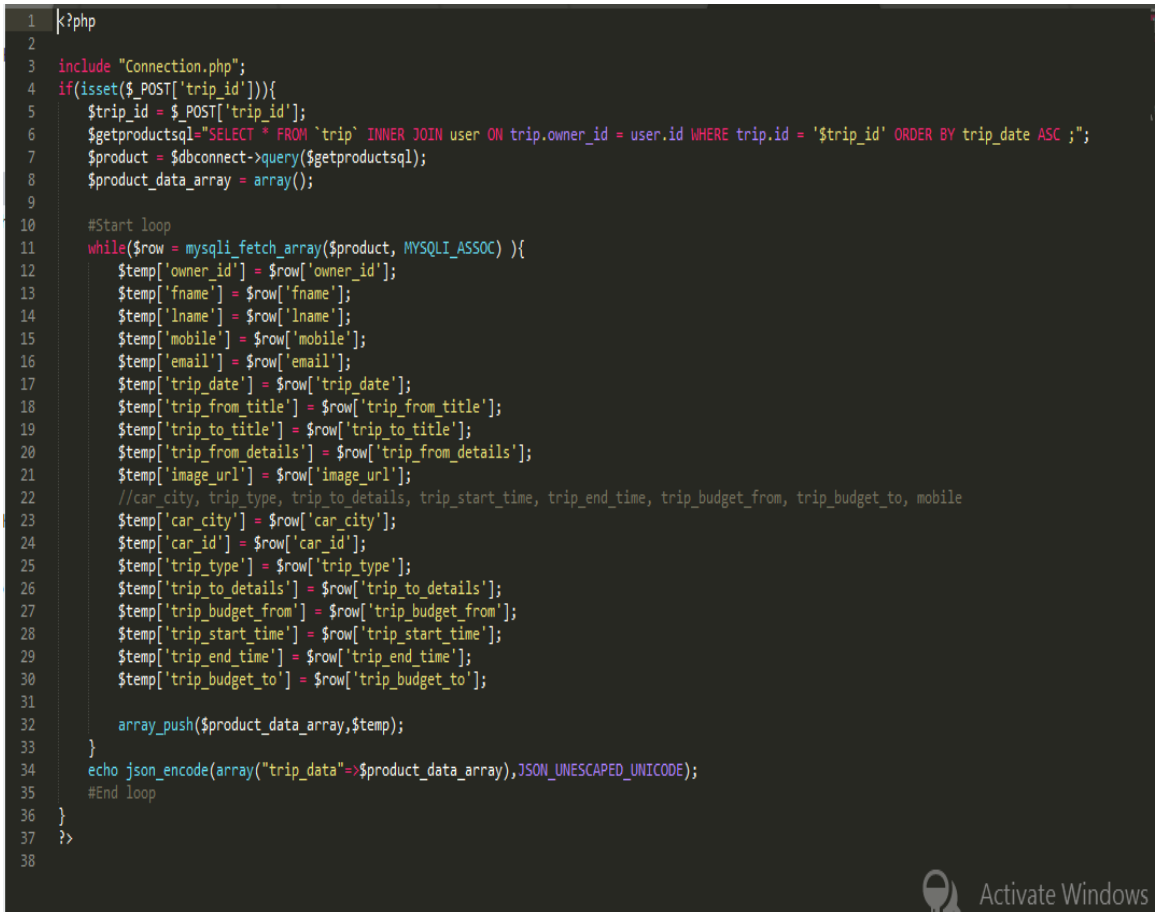
(Figure 4.6) GetTrips.php

this class allow get Reviews.

```php
<?php
include "Connection.php";
$review = array();
if(isset($_POST['user_id'])){
    $user_id = $_POST['user_id'];
    $sql = "SELECT user.fname, user.lname, user.image_url, trip_relation.trip_desc, trip_relation.trip_rate, trip_relation.review_date FROM user
        INNER JOIN trip_relation ON user.id = trip_relation.user_id WHERE user.id = '$user_id';";
    $result = $dbconnect->query($sql);
    while($row = mysqli_fetch_array($result)){
        $temp['fname'] = $row['fname'];
        $temp['lname'] = $row['lname'];
        $temp['image_url'] = $row['image_url'];
        $temp['trip_desc'] = $row['trip_desc'];
        $temp['trip_rate'] = $row['trip_rate'];//review_date
        $temp['review_date'] = $row['review_date'];
        array_push($review, $temp);

    }
    echo json_encode(array("review"=>$review));
}else{
    $review['response'] = "No Parameters";
    echo json_encode(array("review"=>$review));
}
?>
```

(Figure 4.7) GetReviews.php

this class allow get Trips details.



```php
<?php

include "Connection.php";
if(isset($_POST['trip_id'])){
    $trip_id = $_POST['trip_id'];
    $getproductsql="SELECT * FROM `trip` INNER JOIN user ON trip.owner_id = user.id WHERE trip.id = '$trip_id' ORDER BY trip_date ASC ;";
    $product = $dbconnect->query($getproductsql);
    $product_data_array = array();

    #Start loop
    while($row = mysqli_fetch_array($product, MYSQLI_ASSOC) ){
        $temp['owner_id'] = $row['owner_id'];
        $temp['fname'] = $row['fname'];
        $temp['lname'] = $row['lname'];
        $temp['mobile'] = $row['mobile'];
        $temp['email'] = $row['email'];
        $temp['trip_date'] = $row['trip_date'];
        $temp['trip_from_title'] = $row['trip_from_title'];
        $temp['trip_to_title'] = $row['trip_to_title'];
        $temp['trip_from_details'] = $row['trip_from_details'];
        $temp['image_url'] = $row['image_url'];
        //car_city, trip_type, trip_to_details, trip_start_time, trip_end_time, trip_budget_from, trip_budget_to, mobile
        $temp['car_city'] = $row['car_city'];
        $temp['car_id'] = $row['car_id'];
        $temp['trip_type'] = $row['trip_type'];
        $temp['trip_to_details'] = $row['trip_to_details'];
        $temp['trip_budget_from'] = $row['trip_budget_from'];
        $temp['trip_start_time'] = $row['trip_start_time'];
        $temp['trip_end_time'] = $row['trip_end_time'];
        $temp['trip_budget_to'] = $row['trip_budget_to'];

        array_push($product_data_array,$temp);
    }
    echo json_encode(array("trip_data"=>$product_data_array),JSON_UNESCAPED_UNICODE);
    #End loop
}
?>
```

Activate Windows

(Figure 4.8) GetTripsDetails.php

this class allow get Trips with search.

```php
<?php
$trip_data_array = array();
if(isset($_POST['word'])){
    $word = $_POST['word'];

    include "Connection.php";
    $getproductsql="SELECT trip.id, user.fname, user.lname, trip.trip_date, trip.trip_from_title, trip.trip_to_title, trip.trip_from_details,
        user.image_url FROM `trip` INNER JOIN user ON trip.owner_id = user.id WHERE trip.trip_to_title LIKE '%$word%' OR trip.trip_from_title
        LIKE '%$word%';";
    $product = $dbconnect->query($getproductsql);

    #Start loop
    while($row = mysqli_fetch_array($product, MYSQLI_ASSOC) ){
        $temp['id'] = $row['id'];
        $temp['fname'] = $row['fname'];
        $temp['lname'] = $row['lname'];
        $temp['trip_date'] = $row['trip_date'];
        $temp['trip_from_title'] = $row['trip_from_title'];
        $temp['trip_to_title'] = $row['trip_to_title'];
        $temp['trip_from_details'] = $row['trip_from_details'];
        $temp['image_url'] = $row['image_url'];
        $temp['response'] = "OK";


        array_push($trip_data_array,$temp);
    }
    echo json_encode(array("trip_data"=>$trip_data_array),JSON_UNESCAPED_UNICODE);
    #End loop

}else{
    $trip_data_array['response'] = "No";
    echo json_encode(array("trip_data"=>$trip_data_array),JSON_UNESCAPED_UNICODE) ;
}
?>
```

(Figure 4.9) GetTripsWithSearch.php

this class allow get user profile.

```php
<?php
if(isset($_POST['email'])){
    $email = $_POST['email'];
    include "Connection.php";
    define('MYSQL_ASSOC',MYSQLI_ASSOC);
    $getusersql="SELECT * FROM user where email = '$email';";
    $user = $dbconnect->query($getusersql);
    $user_data_array = array();

    #Start loop
    while($row = mysqli_fetch_array($user, MYSQLI_ASSOC) ){
        $temp['email'] = $row['email'];
        $temp['fname'] = $row['fname'];
        $temp['lname'] = $row['lname'];
        $temp['age'] = $row['age'];
        $temp['gender'] = $row['gender'];
        $temp['mobile'] = $row['mobile'];
        $temp['city'] = $row['city'];
        $temp['bio'] = $row['bio'];
        $temp['image_url'] = $row['image_url'];

        array_push($user_data_array,$temp);
    }
    echo json_encode(array("user_data"=>$user_data_array),JSON_UNESCAPED_UNICODE);
    #End loop
}else{
    echo "No parameters ! " ;
}
?>
```

(Figure 4.10) GetUserProfile.php

this class allow Join trip.

```php
<?php
include "Connection.php";
$data = array();
if(isset($_POST['user_id'],$_POST['owner_id'])){
    $user_id = $_POST['user_id'];
    $owner_id = $_POST['owner_id'];

    // $sql = "SELECT user.id FROM user INNER JOIN trip ON user.id = trip.owner_id WHERE trip.owner_id = '$trip_id' LIMIT 1;";
    // $id = $dbconnect->query($sql);
    // while($row = mysqli_fetch_array($id)){
        $ins = "INSERT INTO `trip_relation`(`user_id`, `trip_owner_id`, `trip_state`) VALUES ('$user_id', '$owner_id', 1)";
        if($dbconnect->query($ins)){
            $trip_id = "SELECT id FROM `trip_relation` ORDER BY id ASC LIMIT 1 ";
            $result = $dbconnect->query($trip_id);
            while($res = mysqli_fetch_array($result)){
                $temp['id'] = $res['id'];
                $temp['response'] = "You Can Call Him To Manage Your Time!";
                array_push($data, $temp);
            }
            echo json_encode(array("confirm"=>$data));
        }else{
            $data['response'] = "Ooops ... something went wrong!";
            echo json_encode(array("confirm"=>$data));
        }
    // }
}else{
    $data['response'] = "No Parameters!";
    echo json_encode(array("confirm"=>$data));
}
?>
```

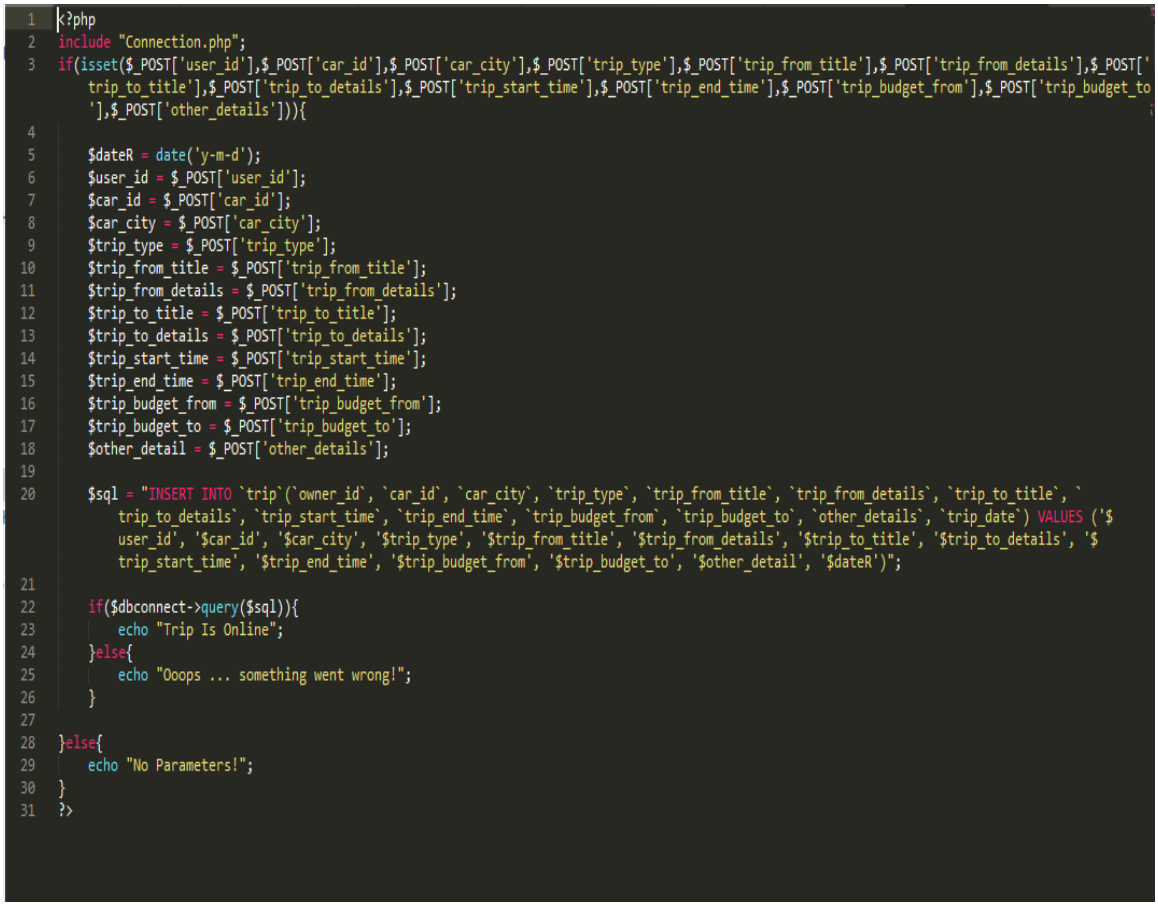
(Figure 4.11) JoinTrip.php

this class allow Get Trip State .

```php
<?php

include "Connection.php";
if(isset($_POST['user_id'],$_POST['owner_id'])){
    $user_id = $_POST['user_id'];
    $owner_id = $_POST['owner_id'];
    $getproductsql="SELECT trip_state FROM trip_relation WHERE user_id = '$user_id' AND trip_owner_id = '$owner_id';";
    $product = $dbconnect->query($getproductsql);

    if($product->num_rows >0){
        #Start loop
        while($row = mysqli_fetch_array($product, MYSQLI_ASSOC) ){
            echo $row['trip_state'];
        }
        #End loop
    }else {
        echo "Not Found!";
    }
}else{
    echo "Please Wait!";
}
?>

```

(Figure 4.12) GetTripState.php

this class allow Make Trip.



```php
<?php
include "Connection.php";
if(isset($_POST['user_id'],$_POST['car_id'],$_POST['car_city'],$_POST['trip_type'],$_POST['trip_from_title'],$_POST['trip_from_details'],$_POST['trip_to_title'],$_POST['trip_to_details'],$_POST['trip_start_time'],$_POST['trip_end_time'],$_POST['trip_budget_from'],$_POST['trip_budget_to'],$_POST['other_details'])){

    $dateR = date('y-m-d');
    $user_id = $_POST['user_id'];
    $car_id = $_POST['car_id'];
    $car_city = $_POST['car_city'];
    $trip_type = $_POST['trip_type'];
    $trip_from_title = $_POST['trip_from_title'];
    $trip_from_details = $_POST['trip_from_details'];
    $trip_to_title = $_POST['trip_to_title'];
    $trip_to_details = $_POST['trip_to_details'];
    $trip_start_time = $_POST['trip_start_time'];
    $trip_end_time = $_POST['trip_end_time'];
    $trip_budget_from = $_POST['trip_budget_from'];
    $trip_budget_to = $_POST['trip_budget_to'];
    $other_detail = $_POST['other_details'];

    $sql = "INSERT INTO `trip`(`owner_id`, `car_id`, `car_city`, `trip_type`, `trip_from_title`, `trip_from_details`, `trip_to_title`, `trip_to_details`, `trip_start_time`, `trip_end_time`, `trip_budget_from`, `trip_budget_to`, `other_details`, `trip_date`) VALUES ('$user_id', '$car_id', '$car_city', '$trip_type', '$trip_from_title', '$trip_from_details', '$trip_to_title', '$trip_to_details', '$trip_start_time', '$trip_end_time', '$trip_budget_from', '$trip_budget_to', '$other_detail', '$dateR')";

    if($dbconnect->query($sql)){
        echo "Trip Is Online";
    }else{
        echo "Ooops ... something went wrong!";
    }

}else{
    echo "No Parameters!";
}
?>
```

(Figure 4.13) MakeTrip.php

this class allow Make review.

```php
<?php
include "Connection.php";
if(isset($_POST['user_id'],$_POST['trip_owner_id'],$_POST['review_rate'],$_POST['review_note'])){
    $user_id = $_POST['user_id'];
    $trip_owner_id = $_POST['trip_owner_id'];
    $review_rate = $_POST['review_rate'];
    $review_note = $_POST['review_note'];

    $sql = "UPDATE `trip_relation` SET trip_rate = '$review_rate' AND trip_desc = '$review_note' WHERE `user_id` = '$user_id' AND  `trip_owner_id
        ` = '$trip_owner_id'; ";
    $dbconnect->query($sql);
        echo "Review Done!";

}else{

}
?>
```

(Figure 4.14) MakeReview.php

this class allow get my trips.

```php
<?php
$trip_data_array = array();
include "Connection.php";
if(isset($_POST['user_id'])){
    $user_id = $_POST['user_id'];
    $getproductsql="SELECT trip.id, user.fname, user.lname, trip.trip_date, trip.trip_from_title, trip.trip_to_title, trip.trip_from_details,
        user.image_url FROM `trip` INNER JOIN user ON trip.owner_id = user.id WHERE user.id = '$user_id' ORDER BY trip_date ASC ;";
    $product = $dbconnect->query($getproductsql);

    #Start loop
    while($row = mysqli_fetch_array($product, MYSQLI_ASSOC) ){
        $temp['id'] = $row['id'];
        $temp['fname'] = $row['fname'];
        $temp['lname'] = $row['lname'];
        $temp['trip_date'] = $row['trip_date'];
        $temp['trip_from_title'] = $row['trip_from_title'];
        $temp['trip_to_title'] = $row['trip_to_title'];
        $temp['trip_from_details'] = $row['trip_from_details'];
        $temp['image_url'] = $row['image_url'];
        $temp['response'] = "OK";

        array_push($trip_data_array,$temp);
    }
    echo json_encode(array("trip_data"=>$trip_data_array),JSON_UNESCAPED_UNICODE);
    #End loop
}else{
    $trip_data_array['response'] = "NO";
    echo json_encode(array("trip_data"=>$trip_data_array),JSON_UNESCAPED_UNICODE);
}
?>
```

(Figure 4.15) GetMyTrips.php

this class allow answer review.

```php
<?php
include "Connection.php";
if(isset($_POST['id'],$_POST['state'])){
    $id = $_POST['id'];
    $state = $_POST['state'];
    $sql = "UPDATE trip_relation SET trip_state = '2' , owner_state = '$state' WHERE id = '$id';";
    $dbconnect->query($sql);
    if(mysqli_affected_rows($dbconnect)){
        echo "Done!";
    }else {
        echo "Ooops ... Something went wrong!";
    }
}else{
    echo "No Parameters!";
}
?>
```

(Figure 4.16) AnswerReview.php