

Mapúa University

School of Information Technology

TRAZE - A Travel Pass Record System

A project in Object-oriented Programming (CS129-8L)

Submitted by:

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Submitted to:

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October 18, 2020

I. PROJECT CONTEXT

a. Description of the Project

The program that was assigned to this group is a “Travel Pass Record System”, which process an application for the request of a Travel Pass provided his or her reasons for travelling are those allowed in the program. It is an essential system for the government to monitor the persons allowed to travel outside of their region for the purpose of the observance of a record system for those traveling outside of their city or region giving distinctions whether the individual is an LSI or a regular traveler.

The user will be required to enter his or her personal information, identity whether Locally Stranded Individual (LSI) or a regular traveller, point of origin and the point of destination and date of application. The program can process the application for the travel pass. The system keeps records of a database for future viewing. It can generate a sorted list of all travel pass holders arranged chronologically based on date of application, a sorted list of travel pass holders who are locally stranded individuals arranged chronologically based on date of application, and make a tally of the total number of travel pass holders that are leaving or going home to Metro Manila. The program was written in Java Programming Language using Netbeans IDE, and uses mySQL for the storage of the information.

b. Purpose of the Project

The main purpose of the program is to provide a smooth interface for both the traveler and the government for the issuance of a travel pass for those travelling outside and inside of Metro Manila including locally stranded individuals (LSI). It will help in the creation of databases for the government to have a digitized record of all travel pass holders, all locally stranded individuals (LSI) travel pass holders, and a tally of the total number of the travel pass

holders that left and went home to Metro Manila. We can also have a database of the names, address and contact number of those people who applied for a travel pass for easy contact tracing by the government.

c. Benefit of the Project

This project aims to develop a Travel Pass Record System that will benefit the following:

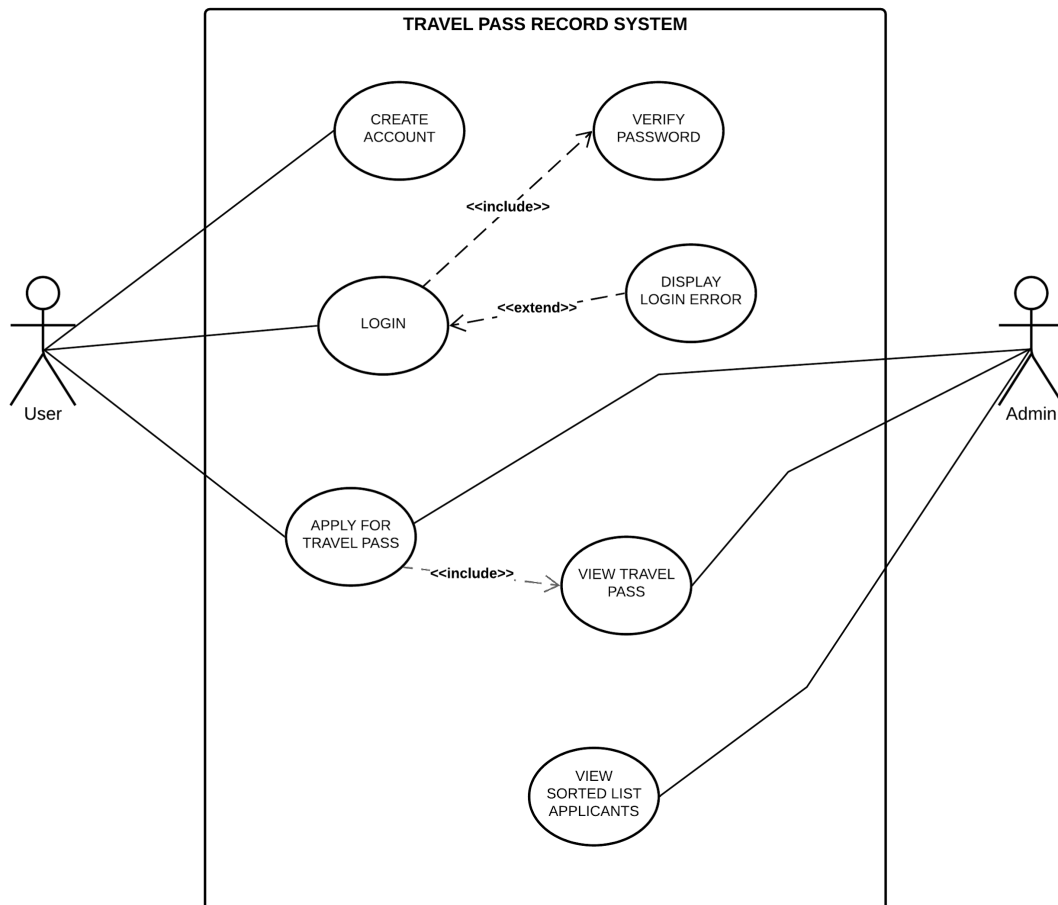
First, the application would benefit the National Government and the Inter - Agency Task Force (IATF) and the Local Governments because they will be guided accordingly on what to assess, monitor, contain, control and prevent the spread of the COVID - 19 in the Philippines by monitoring the inter-city and inter-island travels of Filipinos, and the spread of the virus so that proper guidelines can be implemented by the government and decision of the quarantine status for each region, province and city.

Second, the application can create a systematic process on the issuance of travel pass for Regular and Locally Stranded Individuals (LSI). It is used to keep track of where people go and how often they leave. This can help manage the record and information that is important for contact tracing purposes.

II. PROJECT DESIGN

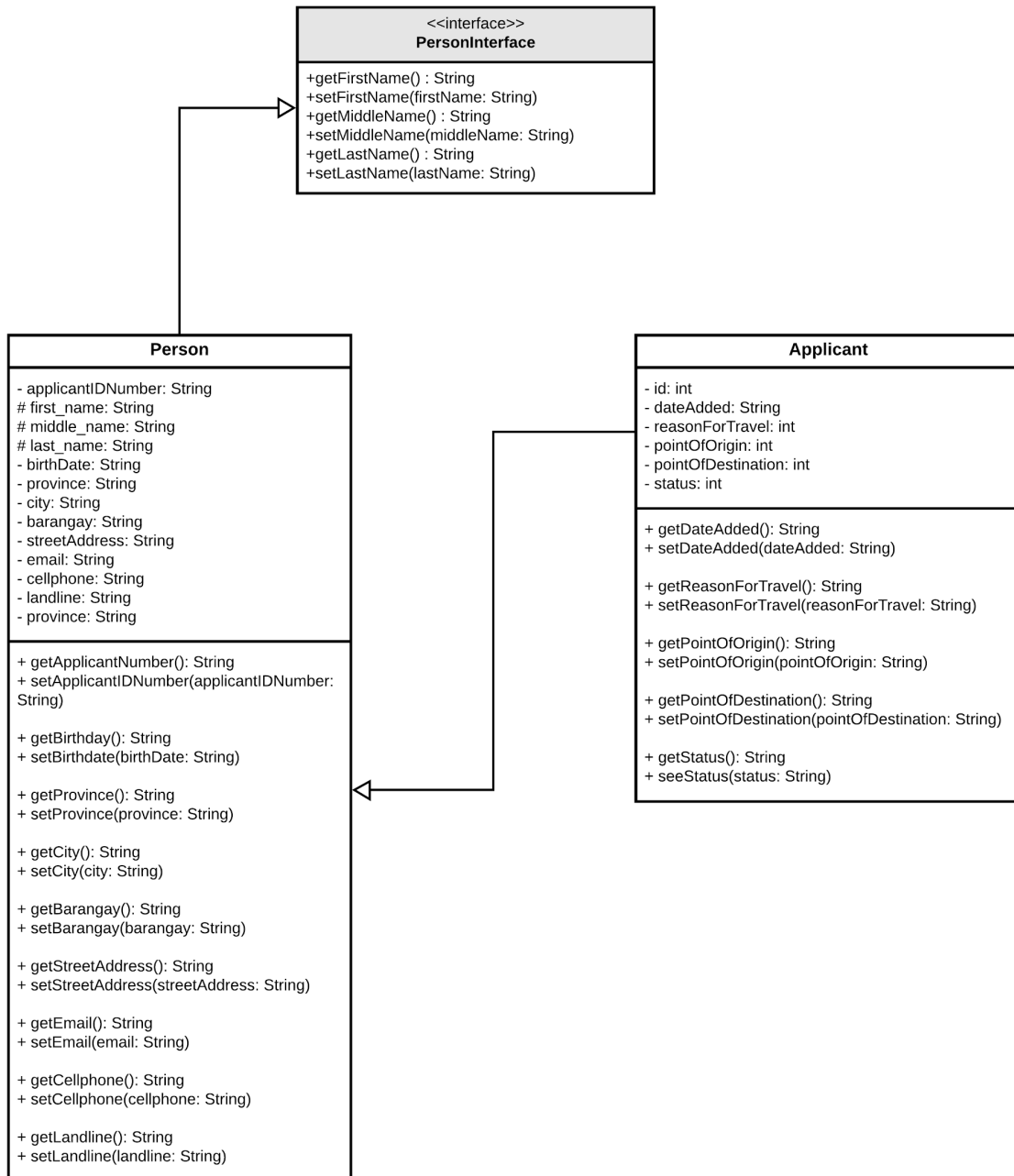
a. UML Use Case Diagram

UML Use Case Diagram of TRAZE: A Travel Pass Record System



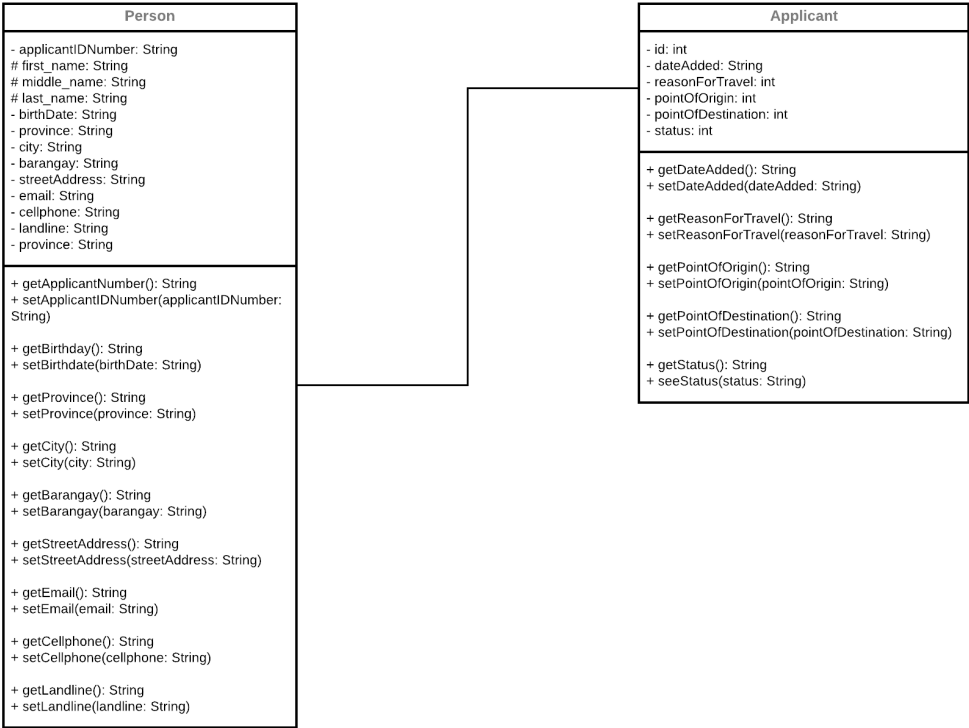
b. UML Class Diagram (Be sure to apply OOP features like inheritance, polymorphism, abstract class and/or interface)

UML Class Diagram of TRAZE: A Travel Pass Record System

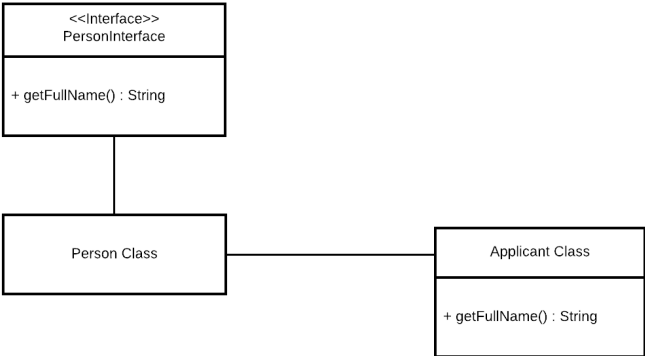


UML Class Diagram per OOP Concept:

OOP Concept:
ABSTRACTION



OOP Concept:
POLYMORPHISM

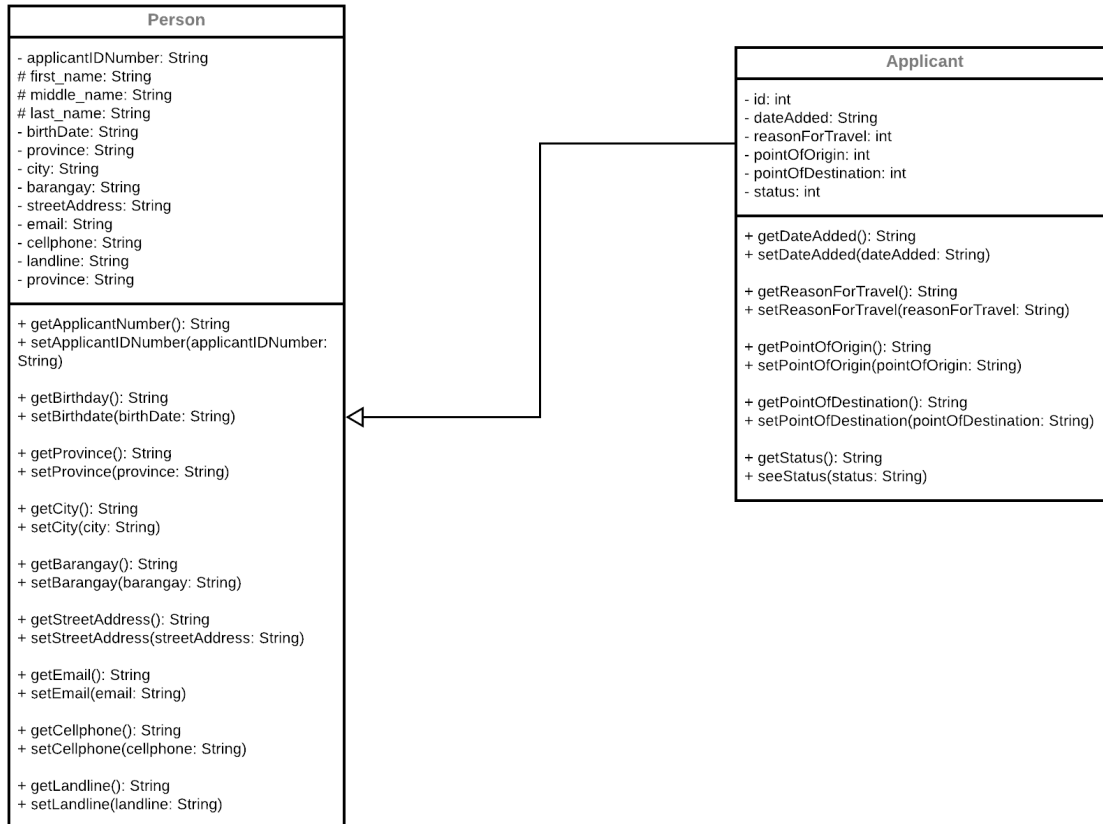


OOP Concept: ENCAPSULATION

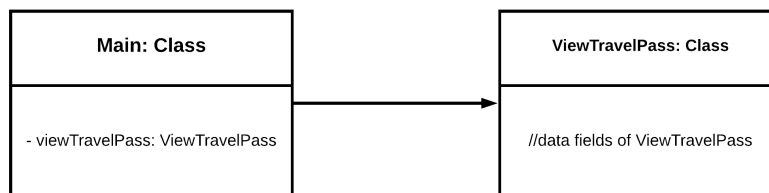
Person
- applicantIDNumber: String # first_name: String # middle_name: String # last_name: String - birthDate: String - province: String - city: String - barangay: String - streetAddress: String - email: String - cellphone: String - landline: String - province: String
+ getApplicantNumber(): String + setApplicantIDNumber(applicantIDNumber: String) + getBirthday(): String + setBirthdate(birthDate: String) + getProvince(): String + setProvince(province: String) + getCity(): String + setCity(city: String) + getBarangay(): String + setBarangay(barangay: String) + getStreetAddress(): String + setStreetAddress(streetAddress: String) + getEmail(): String + setEmail(email: String) + getCellphone(): String + setCellphone(cellphone: String) + getLandline(): String + setLandline(landline: String)

Legend:
- private
+ public
protected

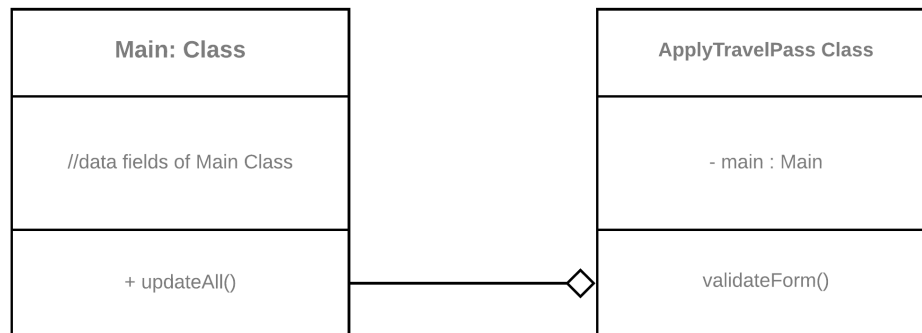
OOP Concept: INHERITANCE



OOP Concept: ASSOCIATION



OOP Concept: AGGREGATION



c. Design Pattern/s Used (Minimum of 1)

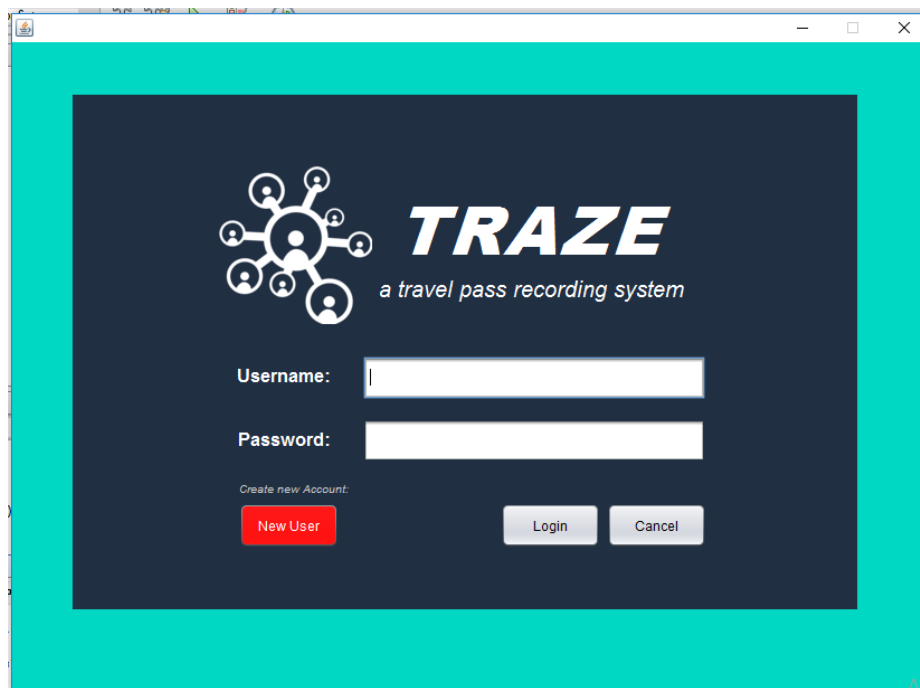
1. Prototype Pattern (Creational Pattern)

The project implemented the use of Prototype pattern, the objects are cloned instead of creating the new ones with a constructor, which improves the performance. It helps to minimize the complexity in object creation. Prototype objects can produce full copies since objects of the same class can access each other's private fields. In our program, we implemented the prototype pattern in getting all of the information of the user. Since there is a lot of information that we need to get, we create a class that is named person. This class will get all the information of the user and compile it, so if we need the information of the user, it can minimize work and it can improve the performance of the system. When we call the person class in the applicant class it automatically has the information so we do not need to repeat all the information that we need to. The person class can extend in different classes. We created a class that is called a person interface class. This class will automatically compile the full name of the user. You will see the person interface class is implemented in the person class. It means that the name that we got in

the person class is already a complete name. we do not need to manually input the first, middle, and the last name.

III. SAMPLE SCREEN SHOTS

1. Log in and Sign up



2. Create New Account

The screenshot shows a web browser window with a teal header. The header contains the text "CREATE NEW ACCOUNT" on the left and the "TRAZE" logo with the tagline "a travel pass recording system" on the right. The main form area has a dark blue background. It contains three input fields on the left: "Enter Username:", "Enter Password:", and "Confirm Password:". To the right of these is a "User Type:" dropdown menu with "User" selected. At the bottom right are two buttons: "SUBMIT" and "CANCEL".

CREATE NEW ACCOUNT

TRAZE
a travel pass recording system

Enter Username:


User Type:

Enter Password:

Confirm Password:

3. Main Page

The screenshot shows the main page of the TRAZE system. It is split into two columns. The left column has a teal background and contains the TRAZE logo, the tagline "a travel pass record system", and two buttons: "Apply Travel Pass" and "View Travel Pass". The right column has a dark blue background and contains the text "Welcome to Traze Travel Pass Record System" and a "Reminder" section with a note about the applicant number.

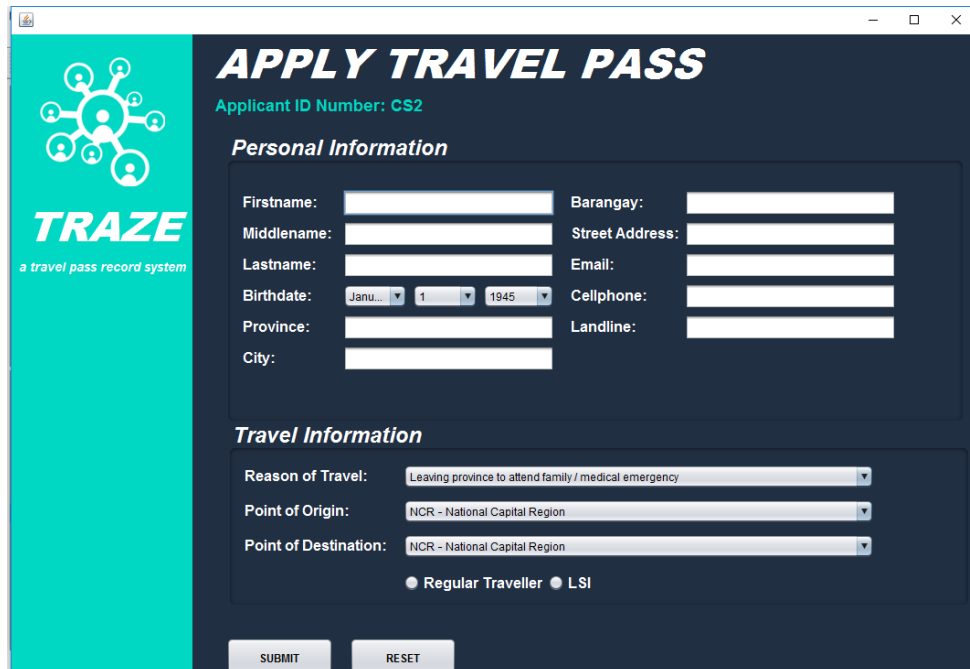


TRAZE
a travel pass record system

Welcome to Traze Travel Pass Record System

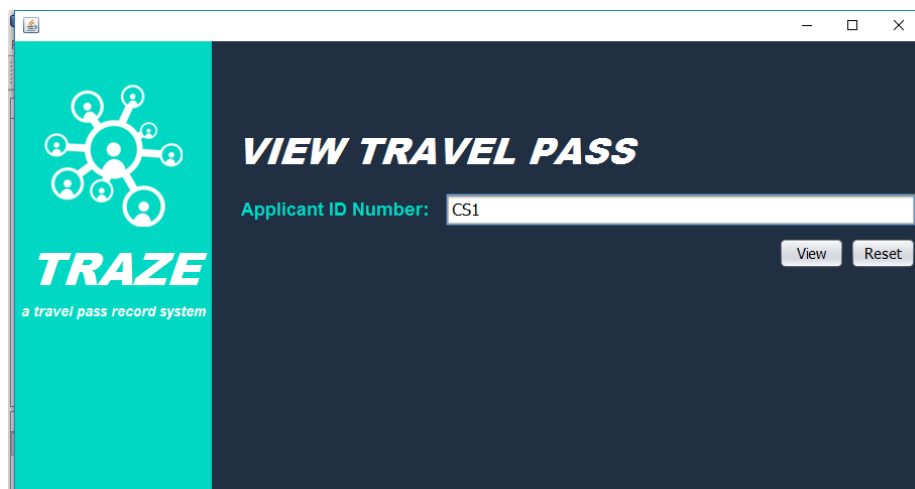
Reminder :
Do not forget your applicant number. You can see it in the left corner of apply travel pass form.

4. Apply Travel Pass



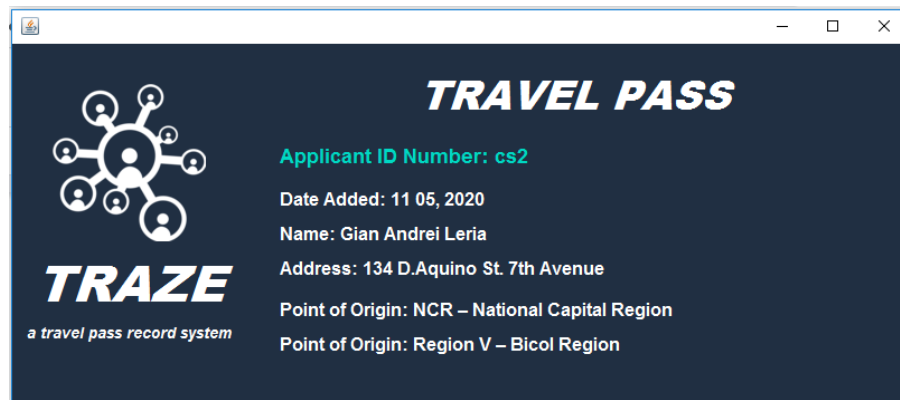
The screenshot shows a web application window titled "APPLY TRAVEL PASS". On the left is a teal sidebar with the "TRAZE" logo and the text "a travel pass record system". The main content area has a dark blue background. At the top, it says "Applicant ID Number: CS2". Below this is a section titled "Personal Information" containing form fields for Firstname, Middlename, Lastname, Birthdate (with month, day, and year dropdowns), Province, City, Barangay, Street Address, Email, Cellphone, and Landline. Below the personal information is a section titled "Travel Information" with dropdowns for Reason of Travel (selected: "Leaving province to attend family / medical emergency"), Point of Origin (selected: "NCR - National Capital Region"), and Point of Destination (selected: "NCR - National Capital Region"). There are also radio buttons for "Regular Traveller" and "LSI". At the bottom are "SUBMIT" and "RESET" buttons.

5. View Travel Pass



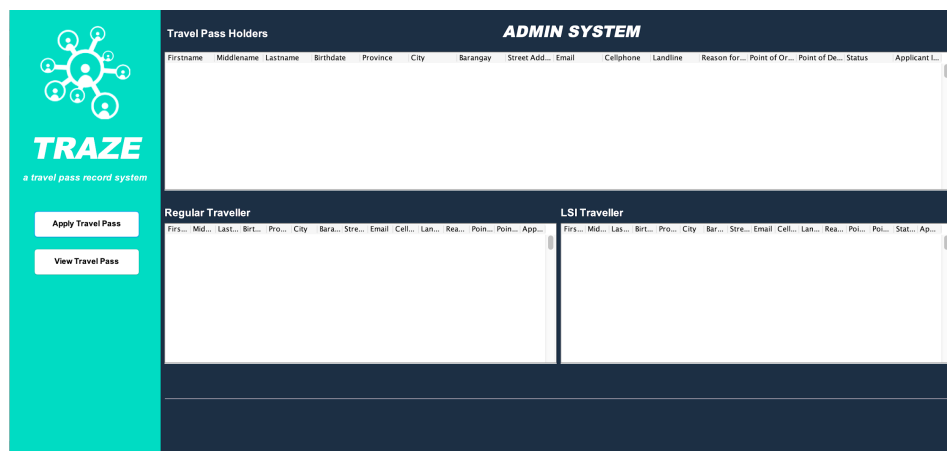
The screenshot shows a web application window titled "VIEW TRAVEL PASS". It features the same teal sidebar with the "TRAZE" logo and "a travel pass record system" text. The main content area has a dark blue background. It displays "Applicant ID Number:" followed by a text input field containing "CS1". To the right of the input field are "View" and "Reset" buttons.

6. Applicant Travel Pass



The screenshot shows a web application window titled "TRAZE" with a dark blue background. On the left is a logo consisting of a central circle with several smaller circles connected to it, and the text "TRAZE a travel pass record system". On the right, the text "TRAVEL PASS" is displayed in large, bold, white letters. Below this, the following information is shown in white text: "Applicant ID Number: cs2", "Date Added: 11 05, 2020", "Name: Gian Andrei Leria", "Address: 134 D.Aquino St. 7th Avenue", "Point of Origin: NCR – National Capital Region", and "Point of Origin: Region V – Bicol Region".

7. Admin Database



The screenshot shows the "ADMIN SYSTEM" interface. On the left is a teal sidebar with the TRAZE logo and two buttons: "Apply Travel Pass" and "View Travel Pass". The main content area is dark blue and contains three tables. The top table is titled "Travel Pass Holders" and has a header row with the following columns: Firstname, Middlename, Lastname, Birthdate, Province, City, Barangay, Street Add..., Email, Cellphone, Landline, Reason for..., Point of Or..., Point of De..., Status, and Applicant L... The bottom two tables are titled "Regular Traveller" and "LSI Traveller", both with headers containing truncated column names: First..., Mid..., Last..., Birt..., Pro..., City, Bara..., Stre..., Email, Cell..., Lan..., Rea..., Poin..., App..., and Fir..., Mid..., Las..., Birt..., Pro..., City, Bar..., Stre..., Email, Cell..., Lan..., Rea..., Poi..., Stat..., Ap... The tables are currently empty.

IV. PROJECT PROGRAM LISTING – source code

MyApp

ApplyTravelPass.java:

```
/**
 * Programmers:  LERIA, Gian Andrei
 *               LIZANO, Danette Julianne
 *               LORENZO, Anna Georgina
 *               MANGALI, Carlo
 *               UY, Mary Claire
 *               . CS129-8 /OL160
 */
package MyApp;

import MyLib.Option;
import MyLib.ApplicantDAO;
import MyLib.Applicant;
import java.text.*;
import java.time.Month;
import java.util.*;

import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.*;

public class ApplyTravelPass extends javax.swing.JFrame
{
    /**
     * Creates new form Main2
     */

    private String applicantIDNumber;

    private Main main;

    public ApplyTravelPass() {

        main = new Main();
        initComponents();
        init();
    }

    public ApplyTravelPass(Main main) {

        this.main = main;
        initComponents();
        init();

        public void setup() throws ClassNotFoundException,
        SQLException {

            applicantIDNumber = "CS" +
            ApplicantDAO.getList().size();
            applicantIDNumberLabel.setText("Applicant ID
            Number: " + applicantIDNumber);

        }

        public void init() {
            /*
             Date date = new Date();
             SimpleDateFormat formatter = new
             SimpleDateFormat("Y");
             int year = Integer.parseInt(formatter.format(date));
             formatter = new SimpleDateFormat("M");

             for(int i = 1; i < Option.getDays().length; i++) {

                 Month m = Month.of(i);
                 Option[i] = m.length(false);

                 monthSelect.addItem(months[i-1]);
                 daySelect.addItem(Integer.toString(days[i]));

             }
            */
        }
    }
}
```

```

for(String month : Option.getMonths()) {

    monthSelect.addItem(month);

}

for(int day : Option.getDays()) {

    daySelect.addItem(Integer.toString(day));

}

for(String year : Option.getYears()) {

    yearSelect.addItem(year);

}

for(String region : Option.getRegions()) {

    pointOfOriginSelect.addItem(region);
    pointOfDestinationSelect.addItem(region);

}

for(String reason : Option.getReasonsForTravel()) {

    reasonsForTravelSelect.addItem(reason);

}

}

/**
 * This method is called from within the constructor to
 initialize the form.
 * WARNING: Do NOT modify this code. The content
 of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated
Code">
private void initComponents() {

    jSeparator1 = new javax.swing.JSeparator();
    statusRadio = new javax.swing.ButtonGroup();
    mainPanel = new javax.swing.JPanel();
    sidePanel = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();

```

```

    rightPanel = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    applicantIDNumberLabel = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    jLabel19 = new javax.swing.JLabel();
    jLabel20 = new javax.swing.JLabel();
    jLabel21 = new javax.swing.JLabel();
    jLabel22 = new javax.swing.JLabel();
    jLabel23 = new javax.swing.JLabel();
    middleNameTextField = new
javax.swing.JTextField();
    firstNameTextField = new javax.swing.JTextField();
    lastNameTextField = new javax.swing.JTextField();
    cellphoneTextField = new javax.swing.JTextField();
    provinceTextField = new javax.swing.JTextField();
    jLabel24 = new javax.swing.JLabel();
    jLabel25 = new javax.swing.JLabel();
    jLabel26 = new javax.swing.JLabel();
    jLabel27 = new javax.swing.JLabel();
    jLabel28 = new javax.swing.JLabel();
    barangayTextField = new javax.swing.JTextField();
    emailTextField = new javax.swing.JTextField();
    streetAddressTextField = new
javax.swing.JTextField();
    landlineTextField = new javax.swing.JTextField();
    cityTextField = new javax.swing.JTextField();
    monthSelect = new javax.swing.JComboBox<>();
    daySelect = new javax.swing.JComboBox<>();
    yearSelect = new javax.swing.JComboBox<>();
    jLabel32 = new javax.swing.JLabel();
    jPanel1 = new javax.swing.JPanel();
    jLabel29 = new javax.swing.JLabel();
    jLabel30 = new javax.swing.JLabel();
    jLabel31 = new javax.swing.JLabel();
    pointOfDestinationSelect = new
javax.swing.JComboBox<>();
    pointOfOriginSelect = new
javax.swing.JComboBox<>();
    regularRadio = new javax.swing.JRadioButton();
    LSIRadio = new javax.swing.JRadioButton();
    reasonsForTravelSelect = new
javax.swing.JComboBox<>();
    resetButton = new javax.swing.JButton();
    submitButton = new javax.swing.JButton();

    sidePanel.setBackground(new java.awt.Color(0, 216,
195));

    jLabel1.setHorizontalAlignment(javax.swing.SwingConsta
nts.CENTER);

    jLabel1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/lo
go.png"))); // NOI18N

```

```

        jLabel2.setBackground(new java.awt.Color(255, 255,
255));
        jLabel2.setFont(new java.awt.Font("Arial Black", 2,
45)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255,
255));

jLabel2.setHorizontalAlignment(javax.swing.SwingConsta
nts.CENTER);
        jLabel2.setText("TRAZE");

        jLabel3.setFont(new java.awt.Font("Arial", 3, 14)); //
NOI18N
        jLabel3.setForeground(new java.awt.Color(255, 255,
255));

jLabel3.setHorizontalAlignment(javax.swing.SwingConsta
nts.CENTER);
        jLabel3.setText("a travel pass record system");

        javax.swing.GroupLayout sidePanelLayout = new
javax.swing.GroupLayout(sidePanel);
        sidePanel.setLayout(sidePanelLayout);
        sidePanelLayout.setHorizontalGroup(

sidePanelLayout.createParallelGroup(javax.swing.GroupLa
yout.Alignment.LEADING)
            .addComponent(jLabel2,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(jLabel1,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(jLabel3,
javax.swing.GroupLayout.DEFAULT_SIZE, 198,
Short.MAX_VALUE)
        );
        sidePanelLayout.setVerticalGroup(

sidePanelLayout.createParallelGroup(javax.swing.GroupLa
yout.Alignment.LEADING)

.addGroup(sidePanelLayout.createSequentialGroup())
            .addGap(25, 25, 25)
            .addComponent(jLabel1)
            .addGap(18, 18, 18)
            .addComponent(jLabel2,
javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.UNRELATED)
            .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED_SIZE, 19,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT_S
IZE, Short.MAX_VALUE))
        );

        rightPanel.setBackground(new java.awt.Color(32, 47,
66));

        jLabel4.setBackground(new java.awt.Color(255, 255,
255));
        jLabel4.setFont(new java.awt.Font("Arial Black", 2,
45)); // NOI18N
        jLabel4.setForeground(new java.awt.Color(255, 255,
255));

jLabel4.setHorizontalAlignment(javax.swing.SwingConsta
nts.LEFT);
        jLabel4.setText("APPLY TRAVEL PASS");

        applicantIDNumberLabel.setFont(new
java.awt.Font("Arial", 1, 18)); // NOI18N
        applicantIDNumberLabel.setForeground(new
java.awt.Color(0, 216, 195));
        applicantIDNumberLabel.setText("Applicant ID
Number: CS(###) ");

        jPanel2.setBackground(new java.awt.Color(32, 47,
66));

jPanel2.setBorder(javax.swing.BorderFactory.createTitledB
order(null, "Personal Information",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATI
ON,
javax.swing.border.TitledBorder.DEFAULT_POSITION,
new java.awt.Font("Arial", 3, 24), new java.awt.Color(255,
255, 255)); // NOI18N

        jLabel19.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
        jLabel19.setForeground(new java.awt.Color(255, 255,
255));
        jLabel19.setText("Lastname:");

        jLabel20.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
        jLabel20.setForeground(new java.awt.Color(255, 255,
255));
        jLabel20.setText("Middlename:");

```



```

        jLabel21.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
        jLabel21.setForeground(new java.awt.Color(255, 255,
255));
        jLabel21.setText("Birthdate:");

        jLabel22.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
        jLabel22.setForeground(new java.awt.Color(255, 255,
255));
        jLabel22.setText("Province:");

        jLabel23.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
        jLabel23.setForeground(new java.awt.Color(255, 255,
255));
        jLabel23.setText("City:");

        jLabel24.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
        jLabel24.setForeground(new java.awt.Color(255, 255,
255));
        jLabel24.setText("Barangay:");

        jLabel25.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
        jLabel25.setForeground(new java.awt.Color(255, 255,
255));
        jLabel25.setText("Street Address:");

        jLabel26.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
        jLabel26.setForeground(new java.awt.Color(255, 255,
255));
        jLabel26.setText("Email:");

        jLabel27.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
        jLabel27.setForeground(new java.awt.Color(255, 255,
255));
        jLabel27.setText("Cellphone:");

        jLabel28.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
        jLabel28.setForeground(new java.awt.Color(255, 255,
255));
        jLabel28.setText("Landline:");

        jLabel32.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
        jLabel32.setForeground(new java.awt.Color(255, 255,
255));
        jLabel32.setText("Firstname:");

```

```

        javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel32)
                .addComponent(jLabel20)
                .addComponent(jLabel19)
                .addComponent(jLabel21)
                .addComponent(jLabel22)
                .addComponent(jLabel23))
            .addContainerGap(19, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel2Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel24)
            .addContainerGap(19, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel2Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel25)
            .addContainerGap(19, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel2Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel26)
            .addContainerGap(19, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel2Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel27)
            .addContainerGap(19, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel2Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel28)
            .addContainerGap(19, Short.MAX_VALUE))
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel32)
            .addContainerGap(19, Short.MAX_VALUE))
    );

```

```

        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel24)
    .addComponent(jLabel25)
    .addComponent(jLabel26)
    .addComponent(jLabel27)
    .addComponent(jLabel28))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.LEADING)
    .addComponent(streetAddressTextField,
javax.swing.GroupLayout.DEFAULT_SIZE, 225,
Short.MAX_VALUE)
    .addComponent(emailTextField,
javax.swing.GroupLayout.DEFAULT_SIZE, 225,
Short.MAX_VALUE)
    .addComponent(cellphoneTextField,
javax.swing.GroupLayout.DEFAULT_SIZE, 225,
Short.MAX_VALUE)
    .addComponent(landlineTextField,
javax.swing.GroupLayout.DEFAULT_SIZE, 225,
Short.MAX_VALUE)
    .addComponent(barangayTextField,
javax.swing.GroupLayout.DEFAULT_SIZE, 225,
Short.MAX_VALUE))
    .addGap(63, 63, 63))
);
jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.BASELINE)
    .addComponent(firstNameTextField,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel24)
    .addComponent(barangayTextField,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel32))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel20)
    .addComponent(middleNameTextField,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel25)
    .addComponent(streetAddressTextField,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel19)
    .addComponent(lastNameTextField,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel26)
    .addComponent(emailTextField,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel21)
    .addComponent(jLabel27)
    .addComponent(cellphoneTextField,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(monthSelect,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(daySelect,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(yearSelect,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.RELATED)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel22)
    .addComponent(jLabel28)
    .addComponent(provinceTextField,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(landlineTextField,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.RELATED)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel23)
    .addComponent(cityTextField,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addContainerGap(89, Short.MAX_VALUE))
);
```

```
jPanel1.setBackground(new java.awt.Color(32, 47,
66));
```

```
jPanel1.setBorder(javax.swing.BorderFactory.createTitledB
order(null, "Travel Information",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATI
ON,
javax.swing.border.TitledBorder.DEFAULT_POSITION,
new java.awt.Font("Arial", 3, 24), new java.awt.Color(255,
255, 255)); // NOI18N
```

```
jLabel29.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
jLabel29.setForeground(new java.awt.Color(255, 255,
255));
jLabel29.setText("Reason of Travel:");
```

```
jLabel30.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
jLabel30.setForeground(new java.awt.Color(255, 255,
255));
jLabel30.setText("Point of Destination:");
```

```
jLabel31.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
jLabel31.setForeground(new java.awt.Color(255, 255,
255));
jLabel31.setText("Point of Origin:");
```

```
regularRadio.setBackground(new java.awt.Color(32,
47, 66));
statusRadio.add(regularRadio);
regularRadio.setFont(new java.awt.Font("Arial", 1,
16)); // NOI18N
regularRadio.setForeground(new java.awt.Color(255,
255, 255));
regularRadio.setText("Regular Traveller");
```

```
LSIRadio.setBackground(new java.awt.Color(32, 47,
66));
statusRadio.add(LSIRadio);
LSIRadio.setFont(new java.awt.Font("Arial", 1, 16));
// NOI18N
LSIRadio.setForeground(new java.awt.Color(255,
255, 255));
LSIRadio.setText("LSI");
```

```
javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
```

```
jPanel1Layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addContainerGap()
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel29)
    .addComponent(jLabel31)
    .addComponent(jLabel30))
    .addGap(18, 18, 18)
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.LEADING)
```

```
.addGroup(jPanel1Layout.createSequentialGroup()
    .addComponent(regularRadio)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.RELATED)
    .addComponent(LSIRadio))
    .addComponent(pointOfDestinationSelect, 0,
495, Short.MAX_VALUE)
```

```

        .addComponent(pointOfOriginSelect, 0,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(reasonsForTravelSelect, 0,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        .addGap(93, 93, 93))
    );
    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.
Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel29)
        .addComponent(reasonsForTravelSelect,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.UNRELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel31)
        .addComponent(pointOfOriginSelect,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.UNRELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel30)
        .addComponent(pointOfDestinationSelect,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.BASELINE)
        .addComponent(regularRadio)
        .addComponent(LSIRadio))

.addContainerGap(javax.swing.GroupLayout.DEFAULT_S
IZE, Short.MAX_VALUE))
    );

```

```

        resetButton.setFont(new java.awt.Font("Arial", 1,
12)); // NOI18N
        resetButton.setText("RESET");
        resetButton.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                resetButtonActionPerformed(evt);
            }
        });

        submitButton.setFont(new java.awt.Font("Arial", 1,
12)); // NOI18N
        submitButton.setText("SUBMIT");
        submitButton.addActionListener(new
java.awt.event.ActionListener() {
            public void
actionPerformed(java.awt.event.ActionEvent evt) {
                submitButtonActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout rightPanelLayout = new
javax.swing.GroupLayout(rightPanel);
        rightPanel.setLayout(rightPanelLayout);
        rightPanelLayout.setHorizontalGroup(

rightPanelLayout.createParallelGroup(javax.swing.GroupL
ayout.Alignment.LEADING)

.addGroup(rightPanelLayout.createSequentialGroup())

.addGroup(rightPanelLayout.createParallelGroup(javax.swi
ng.GroupLayout.Alignment.TRAILING)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING,
rightPanelLayout.createSequentialGroup())
        .addGap(25, 25, 25)

.addGroup(rightPanelLayout.createParallelGroup(javax.swi
ng.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED_SIZE, 544,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addComponent(applicantIDNumberLabel)))

.addGroup(javax.swing.GroupLayout.Alignment.LEADING,
rightPanelLayout.createSequentialGroup())
        .addGap(37, 37, 37)

.addGroup(rightPanelLayout.createParallelGroup(javax.swi
ng.GroupLayout.Alignment.LEADING)

```

```

.addGroup(rightPanelLayout.createSequentialGroup()
    .addComponent(submitButton,
javax.swing.GroupLayout.PREFERRED_SIZE, 117,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(18, 18, 18)
    .addComponent(resetButton,
javax.swing.GroupLayout.PREFERRED_SIZE, 117,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(0, 0, Short.MAX_VALUE))
    .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))))
    .addContainerGap())

.addGroup(rightPanelLayout.createParallelGroup(javafx.swing.
Layout.Alignment.LEADING)

.addGroup(rightPanelLayout.createSequentialGroup()
    .addGap(35, 35, 35)
    .addComponent(jPanel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    .addGap(12, 12, 12)))
);
rightPanelLayout.setVerticalGroup(

rightPanelLayout.createParallelGroup(javafx.swing.GroupL
ayout.Alignment.LEADING)

.addGroup(javafx.swing.GroupLayout.Alignment.TRAILING, rightPanelLayout.createSequentialGroup()
    .addContainerGap()
    .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javafx.swing.LayoutStyle.ComponentPlac
ement.UNRELATED)
    .addComponent(applicantIDNumberLabel)
    .addGap(334, 334, 334)
    .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    .addGap(30, 30, 30)

.addGroup(rightPanelLayout.createParallelGroup(javafx.swi
ng.GroupLayout.Alignment.BASELINE)
    .addComponent(resetButton,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

    .addComponent(submitButton,
javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(69, 69, 69))

.addGroup(rightPanelLayout.createParallelGroup(javafx.swi
ng.GroupLayout.Alignment.LEADING)

.addGroup(rightPanelLayout.createSequentialGroup()
    .addGap(109, 109, 109)
    .addComponent(jPanel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    .addGap(345, 345, 345)))
);

javafx.swing.GroupLayout mainPanelLayout = new
javafx.swing.GroupLayout(mainPanel);
mainPanel.setLayout(mainPanelLayout);
mainPanelLayout.setHorizontalGroup(

mainPanelLayout.createParallelGroup(javafx.swing.GroupL
ayout.Alignment.LEADING)

.addGroup(mainPanelLayout.createSequentialGroup()
    .addComponent(sidePanel,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(0, 0, 0)
    .addComponent(rightPanel,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    .addGap(0, 0, 0))
);
mainPanelLayout.setVerticalGroup(

mainPanelLayout.createParallelGroup(javafx.swing.GroupL
ayout.Alignment.LEADING)
    .addComponent(sidePanel,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    .addComponent(rightPanel,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
);

javafx.swing.GroupLayout layout = new
javafx.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);

```

```

        layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
        .addComponent(mainPanel,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
        .addComponent(mainPanel,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        );

        pack();
    } // </editor-fold>

    private void
resetButtonActionPerformed(java.awt.event.ActionEvent
evt) {

        firstNameTextField.setText("");
        middleNameTextField.setText("");
        lastNameTextField.setText("");
        barangayTextField.setText("");

        streetAddressTextField.setText("");
        emailTextField.setText("");
        cellphoneTextField.setText("");
        provinceTextField.setText("");

        cityTextField.setText("");
        landlineTextField.setText("");

    }

    private boolean fixed(String data) {

        return data.trim().length() < 1;

    }

    private void
submitButtonActionPerformed(java.awt.event.ActionEvent
evt) {

```

```

        String firstName = firstNameTextField.getText();
        String middleName =
middleNameTextField.getText();
        String lastName = lastNameTextField.getText();
        int month = monthSelect.getSelectedIndex();
        int day = daySelect.getSelectedIndex();
        int year = yearSelect.getSelectedIndex();
        String barangay = barangayTextField.getText();
        String streetAddress =
streetAddressTextField.getText();
        String email = emailTextField.getText();
        String cellphone = cellphoneTextField.getText();
        String province = provinceTextField.getText();
        String city = cityTextField.getText();
        String landline = landlineTextField.getText();

        int reasonForTravel =
reasonsForTravelSelect.getSelectedIndex();
        int pointOfOrigin =
pointOfOriginSelect.getSelectedIndex();
        int pointOfDestination =
pointOfDestinationSelect.getSelectedIndex();

        int status = 0;

        boolean isSelectedOnTwo = regularRadio.isSelected()
|| LSIRadio.isSelected();

        Date date = new Date();
        SimpleDateFormat format = new
SimpleDateFormat("MM dd, YYYY");
        String dateAdded = format.format(date);

        if(regularRadio.isSelected() && isSelectedOnTwo) {

            status = 0;

        } else if(LSIRadio.isSelected() && isSelectedOnTwo)
        {

            status = 1;

        }

        if(fixed(firstName) || fixed(middleName) ||
fixed(lastName)
        || fixed(barangay) || fixed(streetAddress) ||
fixed(email)
        || fixed(cellphone) || fixed(province) || fixed(city)
        || fixed(landline)
        ) {

```



```

//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new ApplyTravelPass().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JRadioButton LSIRadio;
private javax.swing.JLabel applicantIDNumberLabel;
private javax.swing.JTextField barangayTextField;
private javax.swing.JTextField cellphoneTextField;
private javax.swing.JTextField cityTextField;
private javax.swing.JComboBox<String> daySelect;
private javax.swing.JTextField emailTextField;
private javax.swing.JTextField firstNameTextField;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel19;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel20;
private javax.swing.JLabel jLabel21;
private javax.swing.JLabel jLabel22;
private javax.swing.JLabel jLabel23;
private javax.swing.JLabel jLabel24;
private javax.swing.JLabel jLabel25;
private javax.swing.JLabel jLabel26;
private javax.swing.JLabel jLabel27;
private javax.swing.JLabel jLabel28;

private javax.swing.JLabel jLabel29;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel30;
private javax.swing.JLabel jLabel31;
private javax.swing.JLabel jLabel32;
private javax.swing.JLabel jLabel4;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JSeparator jSeparator1;
private javax.swing.JTextField landlineTextField;
private javax.swing.JTextField lastNameTextField;
private javax.swing.JPanel mainPanel;
private javax.swing.JTextField middleNameTextField;
private javax.swing.JComboBox<String> monthSelect;
private javax.swing.JComboBox<String>
pointOfDestinationSelect;
    private javax.swing.JComboBox<String>
pointOfOriginSelect;
    private javax.swing.JTextField provinceTextField;
    private javax.swing.JComboBox<String>
reasonsForTravelSelect;
    private javax.swing.JRadioButton regularRadio;
    private javax.swing.JButton resetButton;
    private javax.swing.JPanel rightPanel;
    private javax.swing.JPanel sidePanel;
    private javax.swing.ButtonGroup statusRadio;
    private javax.swing.JTextField streetAddressTextField;
    private javax.swing.JButton submitButton;
    private javax.swing.JComboBox<String> yearSelect;
    // End of variables declaration
}

```


Login.java

```
package MyApp;
```

```
import java.awt.Color;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
```

```
/**
 *
 * @author dell
 */
public class Login extends javax.swing.JFrame {

    /**
     * Creates new form Login
     */
    public Login() {
        initComponents();

        jButton3.setBackground(Color.red);
    }

    Connection con;
    PreparedStatement pst;
    ResultSet rs;

    /**
     * This method is called from within the constructor to
     initialize the form.
     * WARNING: Do NOT modify this code. The content
     of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated
    Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
```

```
txtUser = new javax.swing.JTextField();
jLabel4 = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
txtPass = new javax.swing.JPasswordField();
jButton1 = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();
jButton3 = new javax.swing.JButton();
jLabel6 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.E
XIT_ON_CLOSE);
setResizable(false);

        jPanel1.setBackground(new java.awt.Color(0, 216,
195));

        jPanel2.setBackground(new java.awt.Color(32, 47,
66));

        jLabel1.setFont(new java.awt.Font("Arial Black", 3,
60)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255,
255));

        jLabel1.setHorizontalAlignment(javax.swing.SwingConsta
nts.CENTER);
        jLabel1.setText("TRAZE ");

        jLabel2.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255,
255));
        jLabel2.setText("Username:");

        jLabel3.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
        jLabel3.setForeground(new java.awt.Color(255, 255,
255));
        jLabel3.setText("Password:");

        txtUser.setFont(new java.awt.Font("Arial", 0, 13)); //
NOI18N

        jLabel4.setBackground(new java.awt.Color(222, 222,
222));
        jLabel4.setFont(new java.awt.Font("Arial", 2, 20)); //
NOI18N
        jLabel4.setForeground(new java.awt.Color(255, 255,
255));
```

```
jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel4.setText("a travel pass recording system");
```

```
jLabel5.setIcon(new javax.swing.ImageIcon(getClass().getResource("/images/logo.png"))); // NOI18N
```

```
jButton1.setText("Login");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});
```

```
jButton2.setText("Cancel");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});
```

```
jButton3.setForeground(new java.awt.Color(255, 255, 255));
jButton3.setText("New User");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});
```

```
jLabel6.setFont(new java.awt.Font("Arial", 2, 10)); // NOI18N
```

```
jLabel6.setForeground(new java.awt.Color(204, 204, 204));
```

```
jLabel6.setText("Create new Account: ");
```

```
javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
```

```
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
```

```
.addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addComponent(jLabel3, javax.swing.GroupLayout.Alignment.TRAILING)
.addComponent(jLabel2, javax.swing.GroupLayout.Alignment.TRAILING))
.addGap(29, 29, 29)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
.addComponent(txtUser)
.addComponent(txtPass, javax.swing.GroupLayout.DEFAULT_SIZE, 306, Short.MAX_VALUE))
.addGap(136, 136, 136))
```

```
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
```

```
.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 89, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 89, javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(135, 135, 135))
```

```
.addGroup(jPanel2Layout.createSequentialGroup()
.addGap(2, 2, 2)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addComponent(jLabel6)
.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 89, javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap()))
```

```
.addGroup(jPanel2Layout.createSequentialGroup()
```

```
.addGap(131, 131, 131)
```

```
.addComponent(jLabel5)
```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup())

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.RELATED)
    .addComponent(jLabel4))

.addGroup(jPanel2Layout.createSequentialGroup())
    .addGap(21, 21, 21)
    .addComponent(jLabel1)))
.addContainerGap(152, Short.MAX_VALUE))
);
jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup())
    .addGap(53, 53, 53)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup())
    .addGap(30, 30, 30)
    .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE, 73,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.RELATED)
    .addComponent(jLabel4))
    .addComponent(jLabel5,
javax.swing.GroupLayout.PREFERRED_SIZE, 163,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.BASELINE)
    .addComponent(txtUser,
javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel2))
.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel3)
    .addComponent(txtPass,
javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)

```

```

.addComponent(jLabel6)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.BASELINE)
    .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addContainerGap(55, Short.MAX_VALUE))
);

javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup())
    .addGap(54, 54, 54)
    .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addContainerGap(49, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup())
    .addGap(47, 47, 47)
    .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addContainerGap(42, Short.MAX_VALUE))
);

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)

```

```

        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE
        );

        setSize(new java.awt.Dimension(827, 608));
        setLocationRelativeTo(null);
    } // </editor-fold>

    private void
jButton2ActionPerformed(java.awt.event.ActionEvent evt)
    {
        // TODO add your handling code here:
    }

    private void
jButton3ActionPerformed(java.awt.event.ActionEvent evt)
    {
        // TODO add your handling code here:

        NewUser n = new NewUser();
        n.setVisible(true);
    }

    private void
jButton1ActionPerformed(java.awt.event.ActionEvent evt)
    {

        try {
            // TODO add your handling code here:
            if(txtUser.getText().isEmpty() ||
txtPass.getText().isEmpty()){
                JOptionPane.showMessageDialog(this, "Blank
Username or Password");
            }
            else{

                String username = txtUser.getText();
                String password = txtPass.getText();

                Class.forName("com.mysql.jdbc.Driver");

```

```

        con =
DriverManager.getConnection("jdbc:mysql://localhost/proj
ect","root","");
        pst = con.prepareStatement("select * from user
where username = ? and password=? ");
        pst.setString(1, username);
        pst.setString(2, password);
        rs = pst.executeQuery();

        if(rs.next()){

            String utype=rs.getString("utype");

            if (utype.equals("Admin")){

                Main m = new Main();

                m.setVisible(true);
                this.setVisible(false);
            }else {

                Main1 ap = new Main1 ();
                ap.setVisible(true);
                this.setVisible(false);

            }

        }
        else{

            JOptionPane.showMessageDialog(this,
"Username or Password not Matched!");
            txtUser.setText("");
            txtPass.setText("");
            txtUser.requestFocus();

        }

    }

    } catch (ClassNotFoundException ex) {

        Logger.getLogger(Login.class.getName()).log(Level.SEVERE, null, ex);
    } catch (SQLException ex) {

        Logger.getLogger(Login.class.getName()).log(Level.SEVERE, null, ex);
    }
}

```

```

    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look
and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not
available, stay with the default look and feel.
         * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookand
feel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info
: javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName
me());

                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Login.class.getName())
.log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Login.class.getName())
.log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Login.class.getName())
.log(java.util.logging.Level.SEVERE, null, ex);
        } catch
(javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Login.class.getName())
.log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Login().setVisible(true);
            }
        });
    }
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPasswordField txtPass;
private javax.swing.JTextField txtUser;
// End of variables declaration
}

```

Main.java

```

package MyApp;

import MyLib.Option;
import MyLib.ApplicantDAO;
import MyLib.Applicant;
import java.awt.event.*;
import java.sql.*;
import java.util.*;
import javax.swing.*;
import javax.swing.table.*;
import javax.swing.Timer;

public class Main extends javax.swing.JFrame {

    /**
     * Creates new form Main2
     */

    ViewTravelPass view = new ViewTravelPass();
    ApplyTravelPass app = new ApplyTravelPass(this);

    public Main() {

        initComponents();

        updateAll();

    }

    public void updateAll() {

        updateTable(1);
        updateTable(2);
    }
}

```

```

        updateTable(3);
    }

    public void updateTable(int type) {

        List<Applicant> list = null;

        try {

            switch(type) {

                case 1:

                    list = ApplicantDAO.getList();

                    break;

                case 2:

                    list = ApplicantDAO.getRegularTraveller();

                    break;

                case 3:

                    list = ApplicantDAO.getLSI();

                    break;

            }

            } catch(ClassNotFoundException ex) {
        ex.printStackTrace(); }
        catch(SQLException ex) {ex.printStackTrace();}

        DefaultTableModel model = null;

        switch(type) {

            case 1:

                model = (DefaultTableModel)
travelPassHoldersList.getModel();

                break;

            case 2:

                model = (DefaultTableModel)
regularTravellerList.getModel();

                break;

            case 3:

                model = (DefaultTableModel)
LSITravellerList.getModel();

                break;

        }

        model.setRowCount(0);

        for(Applicant applicant : list) {

            String[] data = new String[16];

            data[0] = applicant.getFirstName();
            data[1] = applicant.getMiddleName();
            data[2] = applicant.getLastName();
            data[3] = applicant.getBirthDate();
            data[4] = applicant.getProvince();
            data[5] = applicant.getCity();
            data[6] = applicant.getBarangay();
            data[7] = applicant.getStreetAddress();
            data[8] = applicant.getEmail();
            data[9] = applicant.getCellphone();
            data[10] = applicant.getLandline();
            data[11] =
Option.getReasonForTravel(applicant.getReasonsForTravel
());
            data[12] =
Option.getRegion(applicant.getPointOfOrigin());
            data[13] =
Option.getRegion(applicant.getPointOfDestination());
            data[14] = Option.getStatus(applicant.getStatus());
            data[15] = applicant.getApplicantIDNumber();

            model.addRow(data);

        }

        switch(type) {

            case 1:

                travelPassHoldersList.setModel(model);

                break;

            case 2:

```

```

        regularTravellerList.setModel(model);

        break;

    case 3:

        LSITravellerList.setModel(model);

        break;

    }

    model.fireTableDataChanged();

}

private void
viewTravelPassButtonActionPerformed(java.awt.event.Action
Event evt) {

    view.setVisible(true);

}

private void
jButton9ActionPerformed(java.awt.event.ActionEvent evt)
{

    app.setVisible(true);

    try {

        app.setup();

    } catch(ClassNotFoundException ex) {

        ex.printStackTrace();

    } catch(SQLException ex) {

        ex.printStackTrace();

    }

}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look
and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not
available, stay with the default look and feel.

```

```

    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookand
feel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info
: javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassNa
me());

                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Main.class.getName()).
log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Main.class.getName()).
log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Main.class.getName()).
log(java.util.logging.Level.SEVERE, null, ex);
    } catch

(javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Main.class.getName()).
log(java.util.logging.Level.SEVERE, null, ex);
    }

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new Main().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JTable LSITravellerList;
private javax.swing.JButton jButton9;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel19;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel20;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane4;
private javax.swing.JScrollPane jScrollPane5;

```

```

private javax.swing.JSeparator jSeparator1;
private javax.swing.JSeparator jSeparator2;
private javax.swing.JPanel mainPanel;
private javax.swing.JTable regularTravellerList;
private javax.swing.JPanel rightPanel;
private javax.swing.JPanel sidePanel;
private javax.swing.JTable travelPassHoldersList;
private javax.swing.JButton viewTravelPassButton;
// End of variables declaration
}

```

Main1.java

```
package MyApp;
```

```

import MyLib.Option;
import MyLib.ApplicantDAO;
import MyLib.Applicant;
import java.awt.event.*;
import java.sql.*;
import java.util.*;
import javax.swing.*;
import javax.swing.table.*;
import javax.swing.Timer;

```

```

public class Main1 extends javax.swing.JFrame {
    ViewTravelPass view = new ViewTravelPass();
    ApplyTravelPass1 app = new ApplyTravelPass1(this);
    private TravelPassResult pass = new TravelPassResult();

```

```

    public Main1() {

        initComponents();
    private void
viewTravelPassButtonActionPerformed(java.awt.event.Action
ionEvent evt) {

```

```
        view.setVisible(true);
```

```
    }
```

```

    private void
jButton9ActionPerformed(java.awt.event.ActionEvent evt)
{

```

```
        app.setVisible(true);
```

```
        try {
```

```
            app.setup();
```

```
        } catch(ClassNotFoundException ex) {
```

```
            ex.printStackTrace();
```

```
        } catch(SQLException ex) {
```

```
            ex.printStackTrace();
```

```
        }
```

```
    }
```

```
public static void main(String args[])
```

```

{
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new Main1().setVisible(true);
        }
    });
}

```

```
// Variables declaration - do not modify
```

```

private javax.swing.JButton jButton9;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JSeparator jSeparator1;
private javax.swing.JSeparator jSeparator2;
private javax.swing.JPanel mainPanel;
private javax.swing.JPanel rightPanel;
private javax.swing.JPanel sidePanel;
private javax.swing.JButton viewTravelPassButton;
// End of variables declaration

```

```
}
```

NewUser.java

```
package MyApp;
```

```

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import java.sql.ResultSet;

```

```
public class NewUser extends javax.swing.JFrame {
```

```
/**
```



```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()
.addGap(61, 61, 61)
.addComponent(jLabel4))

.addGroup(jPanel2Layout.createSequentialGroup()
.addGap(34, 34, 34)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.LEADING)
.addComponent(jLabel2,
javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel1))))
.addContainerGap(27, Short.MAX_VALUE))
);

jLabel3.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255,
255));
jLabel3.setText("Enter Username:");

jLabel5.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
jLabel5.setForeground(new java.awt.Color(255, 255,
255));
jLabel5.setText("Enter Password:");

jLabel6.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
jLabel6.setForeground(new java.awt.Color(255, 255,
255));
jLabel6.setText("Confirm Password:");

jLabel7.setFont(new java.awt.Font("Arial", 1, 16)); //
NOI18N
jLabel7.setForeground(new java.awt.Color(255, 255,
255));
jLabel7.setText("User Type:");

txtUser.setFont(new java.awt.Font("Arial", 0, 16)); //
NOI18N

txtPass.setFont(new java.awt.Font("Arial", 0, 16)); //
NOI18N

txtConfirm.setFont(new java.awt.Font("Arial", 0, 16));
// NOI18N

jButton1.setText("SUBMIT");

```

```

jButton1.addActionListener(new
java.awt.event.ActionListener() {
    public void
actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setText("CANCEL");
jButton2.addActionListener(new
java.awt.event.ActionListener() {
    public void
actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

txtUtype.setFont(new java.awt.Font("Arial", 0, 16)); //
NOI18N
txtUtype.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] {
    "User", "Admin" }));
txtUtype.addActionListener(new
java.awt.event.ActionListener() {
    public void
actionPerformed(java.awt.event.ActionEvent evt) {
        txtUtypeActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.
Alignment.LEADING)
.addComponent(jPanel2,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.TRAILING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT_S
IZE, Short.MAX_VALUE)

```

```

        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 94,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.UNRELATED)
        .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 94,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(jPanel1Layout.createSequentialGroup())
        .addGap(76, 76, 76)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.LEADING, false)
        .addComponent(txtPass)
        .addComponent(txtUser)
        .addComponent(jLabel3)
        .addComponent(jLabel5)
        .addComponent(jLabel6)
        .addComponent(txtConfirm,
javax.swing.GroupLayout.DEFAULT_SIZE, 335,
Short.MAX_VALUE))
        .addGap(61, 61, 61)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.LEADING)
        .addComponent(txtUtype,
javax.swing.GroupLayout.PREFERRED_SIZE, 189,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel7))
        .addGap(0, 0, Short.MAX_VALUE)))
        .addGap(50, 50, 50))
    );
    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout
out.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(63, 63, 63)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel3)
        .addComponent(jLabel7))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.RELATED)

```

```

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.BASELINE)
        .addComponent(txtUser,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtUtype,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(14, 14, 14)
        .addComponent(jLabel5)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.RELATED)
        .addComponent(txtPass,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.UNRELATED)
        .addComponent(jLabel6)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlac
ement.RELATED)
        .addComponent(txtConfirm,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(37, Short.MAX_VALUE))
    );

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alig
nment.LEADING)
        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );
    layout.setVerticalGroup(

```

```

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jPanel1,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        Short.MAX_VALUE)
    );

```

```

setSize(new java.awt.Dimension(722, 540));
setLocationRelativeTo(null);
} // </editor-fold>

```

```

private void
jButton1ActionPerformed(java.awt.event.ActionEvent evt)
{
    // TODO add your handling code here:

```

```

    if(txtUser.getText().length() == 0){
        JOptionPane.showMessageDialog(this,"Please fill
the Username");
    }
    else if(txtPass.getText().length() == 0){
        JOptionPane.showMessageDialog(this,"Please fill
the Password");
    }
    else if(txtPass.getText().equals(txtConfirm.getText())
== false){
        JOptionPane.showMessageDialog(this, "Password
not Matched!");
    }

```

```

//For Database
else
{
    try {

        String username = txtUser.getText();
        String confirmpass = txtConfirm.getText();
        String usertype =
txtUtype.getSelectedItem().toString();

```

```

        Class.forName("com.mysql.jdbc.Driver");
        con =
DriverManager.getConnection("jdbc:mysql://localhost/proj
ect","root","");
        pst = con.prepareStatement("insert into
user(username,password,utype)values(?,?,?)");
        pst.setString(1, username);
        pst.setString(2, confirmpass);
        pst.setString(3, usertype);
        pst.executeUpdate();

```

```

        rs = pst.executeQuery();

```

```

        if(rs.next()){
            JOptionPane.showMessageDialog(this, "username
and password matched and you are log in
as"+rs.getString("usertype"));

```

```

        if(txtUtype.getSelectedIndex()==0) {

```

```

            Main m = new Main ();
            m.setVisible(true);
            this.setVisible(false);

```

```

        }else if (txtUtype.getSelectedIndex()==1) {

```

```

            ApplyTravelPass1 a = new ApplyTravelPass1 ();
            a.setVisible(true);
            this.setVisible(false);
        }

```

```

    }

```

```

JOptionPane.showMessageDialog(null,"Congratulations!
User successfully created...");
txtUser.setText("");
txtPass.setText("");
txtConfirm.setText("");
txtUtype.setSelectedIndex(-1);
txtUser.requestFocus();

```

```

    } catch (ClassNotFoundException ex) {

```

```

        Logger.getLogger(NewUser.class.getName()).log(Level.SEVERE, null, ex);
    } catch (SQLException ex) {

```

```

        Logger.getLogger(NewUser.class.getName()).log(Level.SEVERE, null, ex);
    }

```

```

    }

```

```

    }

```

TravelPassResult.java

```

package MyApp;

import MyLib.Option;
import MyLib.Applicant;

public class TravelPassResult extends javax.swing.JFrame
{
    /**
     * Creates new form TravelPassResult
     */

    public TravelPassResult() {
        initComponents();
    }

    public void updateData(Applicant applicant) {

        applicantIDNumberLabel.setText("Applicant ID
Number: " + applicant.getApplicantIDNumber());
        dateAddedLabel.setText("Date Added: " +
applicant.getDateAdded());
        nameLabel.setText("Name: " +
applicant.getFirstName() + " " +
applicant.getMiddleName() + " " +
applicant.getLastName());
        addressLabel.setText("Address: " +
applicant.getStreetAddress());
        pointOfOriginLabel.setText("Point of Origin: " +
Option.getRegion(applicant.getPointOfOrigin()));
        pointOfDestinationLabel.setText("Point of Origin: " +
Option.getRegion(applicant.getPointOfDestination()));

    }

    /**
     * This method is called from within the constructor to
initialize the form.
     * WARNING: Do NOT modify this code. The content
of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated
Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jPanel2 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();

```

```

        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        jLabel4 = new javax.swing.JLabel();
        applicantIDNumberLabel = new javax.swing.JLabel();
        nameLabel = new javax.swing.JLabel();
        dateAddedLabel = new javax.swing.JLabel();
        addressLabel = new javax.swing.JLabel();
        pointOfDestinationLabel = new javax.swing.JLabel();
        pointOfOriginLabel = new javax.swing.JLabel();

        jPanel2.setBackground(new java.awt.Color(32, 47,
66));

        jLabel1.setHorizontalAlignment(javax.swing.SwingConsta
nts.CENTER);
        jLabel1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/images/lo
go.png"))); // NOI18N

        jLabel2.setBackground(new java.awt.Color(255, 255,
255));
        jLabel2.setFont(new java.awt.Font("Arial Black", 2,
45)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255,
255));

        jLabel2.setHorizontalAlignment(javax.swing.SwingConsta
nts.CENTER);
        jLabel2.setText("TRAZE");

        jLabel3.setFont(new java.awt.Font("Arial", 3, 14)); //
NOI18N
        jLabel3.setForeground(new java.awt.Color(255, 255,
255));

        jLabel3.setHorizontalAlignment(javax.swing.SwingConsta
nts.CENTER);
        jLabel3.setText("a travel pass record system");

        javax.swing.GroupLayout jPanel2Layout = new
javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(

            jPanel2Layout.createParallelGroup(javax.swing.GroupLay
out.Alignment.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(20, 20, 20)
                    .addComponent(jLabel1,
javax.swing.GroupLayout.DEFAULT_SIZE, 169,
Short.MAX_VALUE)
                    .addGap(20, 20, 20))

```

```

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
    .addContainerGap()
    .addComponent(jLabel2,
javax.swing.GroupLayout.DEFAULT_SIZE, 189,
Short.MAX_VALUE)
    .addContainerGap())
.addGroup(jPanel2Layout.createSequentialGroup()
    .addContainerGap()
    .addComponent(jLabel3,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    .addContainerGap())
);
jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(36, 36, 36)
        .addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
    .addComponent(jLabel2,
javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
    .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED_SIZE, 19,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

jPanel3.setBackground(new java.awt.Color(32, 47,
66));

jLabel4.setBackground(new java.awt.Color(255, 255,
255));
jLabel4.setFont(new java.awt.Font("Arial Black", 2,
36)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255,
255));

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel4.setText("TRAVEL PASS");

```

```

applicantIDNumberLabel.setFont(new
java.awt.Font("Arial", 1, 18)); // NOI18N
applicantIDNumberLabel.setForeground(new
java.awt.Color(0, 216, 195));
applicantIDNumberLabel.setText("Applicant ID
Number: ");

nameLabel.setFont(new java.awt.Font("Arial", 1, 16));
// NOI18N
nameLabel.setForeground(new java.awt.Color(255,
255, 255));
nameLabel.setText("Name:");

dateAddedLabel.setFont(new java.awt.Font("Arial", 1,
16)); // NOI18N
dateAddedLabel.setForeground(new
java.awt.Color(255, 255, 255));
dateAddedLabel.setText("Date Added:");

addressLabel.setFont(new java.awt.Font("Arial", 1,
16)); // NOI18N
addressLabel.setForeground(new java.awt.Color(255,
255, 255));
addressLabel.setText("Address:");

pointOfDestinationLabel.setFont(new
java.awt.Font("Arial", 1, 16)); // NOI18N
pointOfDestinationLabel.setForeground(new
java.awt.Color(255, 255, 255));
pointOfDestinationLabel.setText("Point of
Destination:");

pointOfOriginLabel.setFont(new
java.awt.Font("Arial", 1, 16)); // NOI18N
pointOfOriginLabel.setForeground(new
java.awt.Color(255, 255, 255));
pointOfOriginLabel.setText("Point of Origin:");

javax.swing.GroupLayout jPanel3Layout = new
javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addGap(30, 30, 30)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing
.GroupLayout.Alignment.LEADING)
    .addComponent(addressLabel)
    .addComponent(nameLabel)
    .addComponent(pointOfDestinationLabel)
    .addComponent(pointOfOriginLabel)

```

```

        .addComponent(dateAddedLabel)
        .addComponent(applicantIDNumberLabel))

    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGroup(jPanel3Layout.createSequentialGroup())
        .addComponent(jLabel4,
javax.swing.GroupLayout.DEFAULT_SIZE, 587,
Short.MAX_VALUE)
        .addContainerGap())
    );
    jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup())
        .addGap(21, 21, 21)
        .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(20, 20, 20)
        .addComponent(applicantIDNumberLabel)
        .addGap(18, 18, 18)
        .addComponent(dateAddedLabel)

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(nameLabel)

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(addressLabel)
        .addGap(18, 18, 18)
        .addComponent(pointOfOriginLabel)

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(pointOfDestinationLabel)
        .addContainerGap(42, Short.MAX_VALUE))
    );

    javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE)

```

```

        .addComponent(jPanel3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, 0))
    );
    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel2,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jPanel3,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );

    javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );
    layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );

    pack();
} // </editor-fold>

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look
and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not
available, stay with the default look and feel.

```

```

        * For details see
        http://download.oracle.com/javase/tutorial/uiswing/lookand
        feel/plaf.html
        */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info
: javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassNa
me());

                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(TravelPassResult.class.
getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(TravelPassResult.class.
getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(TravelPassResult.class.
getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch
(javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(TravelPassResult.class.
getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
    }
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new TravelPassResult().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JLabel addressLabel;
private javax.swing.JLabel applicantIDNumberLabel;
private javax.swing.JLabel dateAddedLabel;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JLabel nameLabel;

```

```

private javax.swing.JLabel pointOfDestinationLabel;
private javax.swing.JLabel pointOfOriginLabel;
// End of variables declaration
}

```

ViewTravelPass.java

```

package MyApp;

import MyLib.ApplicantDAO;
import MyLib.Applicant;
import java.sql.*;
import javax.swing.JOptionPane;

public class ViewTravelPass extends javax.swing.JFrame {

    /**
     * Creates new form ViewTravelPass
     */

    private TravelPassResult pass = new TravelPassResult();

    public ViewTravelPass() {

        initComponents();

    }

    private void
viewButtonActionPerformed(java.awt.event.ActionEvent
evt) {

        try {

            Applicant applicant =
ApplicantDAO.viewApplicant(IDTextField.getText().toLo
werCase());

            if(applicant != null) {

                pass.updateData(applicant);
                pass.setVisible(true);

            } else {

                JOptionPane.showMessageDialog(null, "Please
check your input", "ERROR",
JOptionPane.ERROR_MESSAGE);

            }

        } catch(ClassNotFoundException | SQLException ex)
{

```



```

        ex.printStackTrace();
    }

}

private void
resetButtonActionPerformed(java.awt.event.ActionEvent
evt) {

    IDTextField.setText("");

}

private void
IDTextFieldActionPerformed(java.awt.event.ActionEvent
evt) {
    // TODO add your handling code here:
}

public static void main(String args[]) {
    public void run() {
        new ViewTravelPass().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JTextField IDTextField;
private javax.swing.JLabel applicantIDNumberLabel;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JButton resetButton;
private javax.swing.JButton viewButton;
// End of variables declaration
}

```

cQuit.java

```
package MyApp;
```

```
import javax.swing.JFrame;
```

```
import javax.swing.JOptionPane;
```

```
class cQuit {
```

```
    private JFrame frame;
```

```
    public void quit(){
```

```
        frame = new JFrame("Exit");
        if (JOptionPane.showConfirmDialog(frame,
"Confirm if you want to exit", "Travel Pass Record
System",
```

```
JOptionPane.YES_NO_OPTION)==JOptionPane.YES
_NO_OPTION){
        System.exit(0);
    }
}

```

```
}
```

MyLib

Applicant.java

```
package MyLib;

public class Applicant extends Person {

    //Personal Information

    private int id;

    private String dateAdded;

    //Travel Information

    private int reasonsForTravel;
    private int pointOfOrigin;
    private int pointOfDestination;

    private int status;

    public Applicant() {

    }

    public Applicant(String firstName, String middleName,
String lastName, String birthDate, String province, String
city, String barangay, String streetAddress,
    String email, String cellphone, String landline, int
reasonForTravel, int pointOfOrigin, int pointOfDestination,
int status, String applicantIDNumber, String dateAdded) {

        this.setFirstName(firstName);
        this.setMiddleName(middleName);
        this.setLastName(lastName);
        this.setBirthDate(birthDate);
        this.setProvince(province);
        this.setCity(city);
        this.setBarangay(barangay);
        this.setStreetAddress(streetAddress);
        this.setEmail(email);
        this.setCellphone(cellphone);
        this.setLandline(landline);
        this.setReasonsForTravel(reasonsForTravel);
        this.setPointOfOrigin(pointOfOrigin);
```

```
        this.setPointOfDestination(pointOfDestination);
        this.setStatus(status);
        this.setApplicantIDNumber(applicantIDNumber);
        this.setDateAdded(dateAdded);
    }

    public int getId() {

        return id;
    }

    public void setId(int id) {

        this.id = id;
    }

    public int getReasonsForTravel() {

        return reasonsForTravel;
    }

    public void setReasonsForTravel(int reasonsForTravel) {

        this.reasonsForTravel = reasonsForTravel;
    }

    public int getPointOfOrigin() {

        return pointOfOrigin;
    }

    public void setPointOfOrigin(int pointOfOrigin) {

        this.pointOfOrigin = pointOfOrigin;
    }

    public int getPointOfDestination() {

        return pointOfDestination;
    }

    public void setPointOfDestination(int
pointOfDestination) {

        this.pointOfDestination = pointOfDestination;
    }
}
```

```

    }

    public int getStatus() {

        return status;

    }

    public void setStatus(int status) {

        this.status = status;

    }

    public String getDateAdded() {

        return dateAdded;

    }

    public void setDateAdded(String dateAdded) {

        this.dateAdded = dateAdded;

    }

    @Override
    public String getFirstName() {

        return firstName;

    }

    @Override
    public void setFirstName(String firstName) {

        this.firstName = firstName;

    }

    @Override
    public String getMiddleName() {

        return middleName;

    }

    @Override
    public void setMiddleName(String middleName) {

        this.middleName = middleName;

    }

```

```

    @Override
    public String getLastName() {

        return lastName;

    }

    @Override
    public void setLastName(String lastName) {

        this.lastName = lastName;

    }

    @Override
    public String getFullName() {

        return getFirstName() + " " + getMiddleName() + " "
+ getLastName();

    }

}

```

ApplicantDAO.java

```

package MyLib;

import java.sql.*;
import java.util.*;

public class ApplicantDAO {

    private static final String TABLE_NAME =
"tbl_applicant";

    private static final String INSERT_APPLICANT =
"INSERT INTO " + TABLE_NAME + " (first_name,
middle_name, last_name, birthdate, province, city,
barangay, street_address, email, cellphone_number,
landline, reasons_for_travel, point_of_origin,
point_of_destination, status, applicant_id_number,
date_added) VALUES (?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?,
?, ?)";

    private static final String LIST = "SELECT * FROM " +
TABLE_NAME;

    public static List<Applicant> getRegularTraveller()
throws ClassNotFoundException, SQLException {

        List<Applicant> list = new ArrayList<>();

```

```

        try(Connection connection =
JDBCUtils.getConnection();
        PreparedStatement ps =
connection.prepareStatement("SELECT * FROM
tbl_applicant WHERE status = 0")) {

            ResultSet rs = ps.executeQuery();

            while(rs.next()) {

                String firstName = rs.getString("first_name");
                String middleName =
rs.getString("middle_name");
                String lastName = rs.getString("last_name");
                String birthDate = rs.getString("birthdate");
                String province = rs.getString("province");
                String city = rs.getString("city");
                String barangay = rs.getString("barangay");
                String streetAddress =
rs.getString("street_address");
                String email = rs.getString("email");
                String cellphone =
rs.getString("cellphone_number");
                String landline = rs.getString("landline");

                int reasonsForTravel =
rs.getInt("reasons_for_travel");
                int pointOfOrigin = rs.getInt("point_of_origin");
                int pointOfDestination =
rs.getInt("point_of_destination");
                int status = rs.getInt("status");
                String applicantIDNumber =
rs.getString("applicant_id_number");
                String dateAdded = rs.getString("date_added");

                Applicant applicant = new Applicant(firstName,
middleName, lastName, birthDate, province, city,
barangay, streetAddress, email, cellphone,
landline, reasonsForTravel, pointOfOrigin,
pointOfDestination, status, applicantIDNumber,
dateAdded);

                list.add(applicant);

            }

        }

        return list;

    }

    public static List<Applicant> getLSI() throws
ClassNotFoundException, SQLException {

```

```

        List<Applicant> list = new ArrayList<>();

        try(Connection connection =
JDBCUtils.getConnection();
        PreparedStatement ps =
connection.prepareStatement("SELECT * FROM
tbl_applicant WHERE status = 1")) {

            ResultSet rs = ps.executeQuery();

            while(rs.next()) {

                String firstName = rs.getString("first_name");
                String middleName =
rs.getString("middle_name");
                String lastName = rs.getString("last_name");
                String birthDate = rs.getString("birthdate");
                String province = rs.getString("province");
                String city = rs.getString("city");
                String barangay = rs.getString("barangay");
                String streetAddress =
rs.getString("street_address");
                String email = rs.getString("email");
                String cellphone =
rs.getString("cellphone_number");
                String landline = rs.getString("landline");

                int reasonsForTravel =
rs.getInt("reasons_for_travel");
                int pointOfOrigin = rs.getInt("point_of_origin");
                int pointOfDestination =
rs.getInt("point_of_destination");
                int status = rs.getInt("status");
                String applicantIDNumber =
rs.getString("applicant_id_number");
                String dateAdded = rs.getString("date_added");

                Applicant applicant = new Applicant(firstName,
middleName, lastName, birthDate, province, city,
barangay, streetAddress, email, cellphone,
landline, reasonsForTravel, pointOfOrigin,
pointOfDestination, status, applicantIDNumber,
dateAdded);

                list.add(applicant);

            }

        }

        return list;

    }

```

```

    public static List<Applicant> getList() throws
    ClassNotFoundException, SQLException {

        List<Applicant> list = new ArrayList<>();

        try(Connection connection =
        JDBCUtils.getConnection();
            PreparedStatement ps =
        connection.prepareStatement(LIST)) {

            ResultSet rs = ps.executeQuery();

            while(rs.next()) {

                String firstName = rs.getString("first_name");
                String middleName =
        rs.getString("middle_name");
                String lastName = rs.getString("last_name");
                String birthDate = rs.getString("birthdate");
                String province = rs.getString("province");
                String city = rs.getString("city");
                String barangay = rs.getString("barangay");
                String streetAddress =
        rs.getString("street_address");
                String email = rs.getString("email");
                String cellphone =
        rs.getString("cellphone_number");
                String landline = rs.getString("landline");

                int reasonsForTravel =
        rs.getInt("reasons_for_travel");
                int pointOfOrigin = rs.getInt("point_of_origin");
                int pointOfDestination =
        rs.getInt("point_of_destination");
                int status = rs.getInt("status");
                String applicantIDNumber =
        rs.getString("applicant_id_number");
                String dateAdded = rs.getString("date_added");

                Applicant applicant = new Applicant(firstName,
        middleName, lastName, birthDate, province, city,
        barangay, streetAddress, email, cellphone,
                landline, reasonsForTravel, pointOfOrigin,
        pointOfDestination, status, applicantIDNumber,
        dateAdded);

                list.add(applicant);

            }

        }

        return list;
    }

```

```

    }

    public static Applicant viewApplicant(String
    applicantIDNumber) throws ClassNotFoundException,
    SQLException {

        try(Connection connection =
        JDBCUtils.getConnection();
            PreparedStatement ps =
        connection.prepareStatement("SELECT * FROM
        tbl_applicant WHERE applicant_id_number = ?")) {
            // Personal information
            ps.setString(1, applicantIDNumber);

            ResultSet rs = ps.executeQuery();

            while(rs.next()) {

                String firstName = rs.getString("first_name");
                String middleName =
        rs.getString("middle_name");
                String lastName = rs.getString("last_name");
                String birthDate = rs.getString("birthdate");
                String province = rs.getString("province");
                String city = rs.getString("city");
                String barangay = rs.getString("barangay");
                String streetAddress =
        rs.getString("street_address");
                String email = rs.getString("email");
                String cellphone =
        rs.getString("cellphone_number");
                String landline = rs.getString("landline");

                int reasonsForTravel =
        rs.getInt("reasons_for_travel");
                int pointOfOrigin = rs.getInt("point_of_origin");
                int pointOfDestination =
        rs.getInt("point_of_destination");
                int status = rs.getInt("status");
                String ID = rs.getString("applicant_id_number");
                String dateAdded = rs.getString("date_added");

                return new Applicant(firstName, middleName,
        lastName, birthDate, province, city, barangay,
        streetAddress, email, cellphone,
                landline, reasonsForTravel, pointOfOrigin,
        pointOfDestination, status, applicantIDNumber,
        dateAdded);

            }

        }

        return null;
    }

```

```

    }

    public static int insertApplicant(Applicant applicant)
    throws ClassNotFoundException, SQLException {

        try(Connection connection =
        JDBCUtils.getConnection();
            PreparedStatement ps =
        connection.prepareStatement(INSERT_APPLICANT)) {
            // Personal information
            ps.setString(1, applicant.getFirstName());
            ps.setString(2, applicant.getMiddleName());
            ps.setString(3, applicant.getLastName());
            ps.setString(4, applicant.getBirthDate());
            ps.setString(5, applicant.getProvince());
            ps.setString(6, applicant.getCity());
            ps.setString(7, applicant.getBarangay());
            ps.setString(8, applicant.getStreetAddress());
            ps.setString(9, applicant.getEmail());
            ps.setString(10, applicant.getCellphone());
            ps.setString(11, applicant.getLandline());
            // Travel Information
            ps.setInt(12, applicant.getReasonsForTravel());
            ps.setInt(13, applicant.getPointOfOrigin());
            ps.setInt(14, applicant.getPointOfDestination());
            ps.setInt(15, applicant.getStatus());
            ps.setString(16,
        applicant.getApplicantIDNumber());
            ps.setString(17, applicant.getDateAdded());

            return ps.executeUpdate();

        }

    }
}

```

JDBCUtils.java

```

package MyLib;

import java.sql.*;

public class JDBCUtils {

    public static Connection getConnection() {

        try {

            Class.forName("com.mysql.jdbc.Driver");

```

```

            return
        DriverManager.getConnection("jdbc:mysql://localhost/proj
        ect","root","");

        } catch(ClassNotFoundException ex) {

            return null;

        } catch(SQLException ex) {

            return null;

        }

    }

}

```

Option.java

```

package MyLib;

import java.text.*;
import java.time.*;
import java.util.*;

public class Option {

    private static String[] months = {"January", "February",
    "March", "April", "May", "June", "July", "August",
    "September", "October", "November", "December"};

    private static int[] days = new int[31];

    private static String[] years = new String[100];

    private static String[] reasonsForTravel =
    {
        "Leaving province to attend family / medical
    emergency",
        "Leaving NCR to attend family / medical emergency",
        "Locally stranded individual going to province",
        "Locally stranded individual going to NCR",
    };

    private static String[] statuses = {

        "Regular Travller",
        "LSI"

    };
}

```

```

private static String[] regions = {
    "NCR – National Capital Region",
    "Region I – Ilocos Region",
    "Region II – Cagayan Valley",
    "Region III – Central Luzon",
    "Region IV-A – CALABARZON",
    "Region V – Bicol Region",
    "Region VI – Western Visayas",
    "Region VII – Central Visayas",
    "Region VIII – Eastern Visayas",
    "Region IX – Zamboanga Peninsula",
    "Region X – Northern Mindanao",
    "Region XI – Davao Region",
    "Region XII – SOCCSKSARGEN",
    "Region XIII – Caraga",
    "Region X – Northern Mindanao",
    "Region XI – Davao Region",
    "Region XII – SOCCSKSARGEN",
    "CAR – Cordillera Administrative Region",
    "ARMM – Autonomous Region in Muslim Mindanao"
};

public static String[] getMonths() {
    return months;
}

public static String getMonth(int i) {
    return months[i];
}

public static int[] getDays() {
    for(int j = 1; j < 31; j++) {
        days[j-1] = j;
    }

    return days;
}

public static int getDay(int i) {
    for(int j = 1; j < 31; j++) {
        days[j-1] = j;
    }
}

    }

    return days[i];
}

public static String[] getYears() {
    Date date = new Date();
    SimpleDateFormat formatter = new
SimpleDateFormat("Y");
    int year = Integer.parseInt(formatter.format(date));

    int diff = (year - 10) - 1945;

    years = new String[diff];

    int count = 0;

    for(int j = 1945; j < year - 10; j++) {
        years[count] = Integer.toString(j);
        count++;
    }

    return years;
}

public static String getYear(int i) {
    Date date = new Date();
    SimpleDateFormat formatter = new
SimpleDateFormat("Y");
    int year = Integer.parseInt(formatter.format(date));

    int diff = (year - 10) - 1945;

    years = new String[diff];

    int count = 0;

    for(int j = 1945; j < year - 10; j++) {
        years[count] = Integer.toString(j);
        count++;
    }

    return years[i];
}

public static String[] getRegions() {

```

```

        return regions;
    }

    public static String getRegion(int i) {

        return regions[i];
    }

    public static String[] getReasonsForTravel() {

        return reasonsForTravel;
    }

    public static String getReasonForTravel(int i) {

        return reasonsForTravel[i];
    }

    public static String[] getStatuses() {

        return statuses;
    }

    public static String getStatus(int i) {

        return statuses[i];
    }
}

```

Person.java

```

package MyLib;

public abstract class Person implements PersonInterface {

    private String applicantIDNumber;
    protected String firstName;
    protected String middleName;
    protected String lastName;
    private String birthDate;
    private String province;
    private String city;
    private String barangay;
    private String streetAddress;
    private String email;
    private String cellphone;

```

```

    private String landline;

    public String getApplicantIDNumber() {

        return applicantIDNumber;
    }

    public void setApplicantIDNumber(String
applicantIDNumber) {

        this.applicantIDNumber = applicantIDNumber;
    }

    public String getBirthDate() {

        return birthDate;
    }

    public void setBirthDate(String birthDate) {

        this.birthDate = birthDate;
    }

    public String getProvince() {

        return province;
    }

    public void setProvince(String province) {

        this.province = province;
    }

    public String getCity() {

        return city;
    }

    public void setCity(String city) {

        this.city = city;
    }

    public String getBarangay() {

        return barangay;
    }

```



```

    }

    public void setBarangay(String barangay) {

        this.barangay = barangay;

    }

    public String getStreetAddress() {

        return streetAddress;

    }

    public void setStreetAddress(String streetAddress) {

        this.streetAddress = streetAddress;

    }

    public String getEmail() {

        return email;

    }

    public void setEmail(String email) {

        this.email = email;

    }

    public String getCellphone() {

        return cellphone;

    }

    public void setCellphone(String cellphone) {

        this.cellphone = cellphone;

    }

    public String getLandline() {

        return landline;

    }

    public void setLandline(String landline) {

        this.landline = landline;

```

```

    }

```

PersonInterface.java

```

package MyLib;

public interface PersonInterface {

    String getFirstName();
    void setFirstName(String firstName);

    String getMiddleName();
    void setMiddleName(String middleName);

    String getLastName();
    void setLastName(String lastName);

    String getFullName();

}

```

PrepareStatement.java

```

package MyLib;

class PrepareStatement {

}

```