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Faculty of Computing and Informatics (FCI)

Multimedia University, Cyberjaya

TCP1201

Object-Oriented Programming & Data Structures

Title: Flight Booking System

**Trimester 1 - 19/20**

Lecture Section: TC02

Tutorial Group: TT04

Project Group: G16

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**Problem Statement**

First of all, the whole program is basically divided into two parts, the system and the database. The system generates flight numbers, manage bookings and more, while the database holds and handles all the records from the system.

The first paragraph stated that the system manages booking and purchasing of the flight tickets. All airlines have their own unique flight number and flight name.

The second paragraph stated that the database stores all information of the passengers, such as first and last name, title, contact number, mileage and ticket status. The total mileage of the passenger is accumulated through successfully checked in flights. The system enables the passenger to book flight ticket. Last but not least, the booking information of the passenger consists of flight number, seating class, limited to economy or business and the date of the flight.

The third paragraph stated that the flight numbers of the airlines are generated through the system, carrying all the information about that particular flight.

The fourth paragraph state that the flight departure is handled by the system by arranging the boarding gate, announcing check in time, enable passenger to check in, and checking in 30 minutes before the departure time is not allowed. The system also needs to record if any flight delayed and rearrange the departure information as required.

The last paragraph stated that the airport operates from 6.00 a.m. to 10.00 p.m. daily. So, at 10.00 p.m., the system will change to standby mode and every information is saved into the database. At 6.00 a.m. of the next morning, all information will be fetch out from database to continue for operation.

**Solution Algorithm**

MODULES

- MainWindow: enables the user to login into the system

- Register: enables the user to register before using the system

- Flight: enables the user to view current available flights

- FlightNumGenerator: generates new flight number when system goes to standby mode at 10.00 p.m.

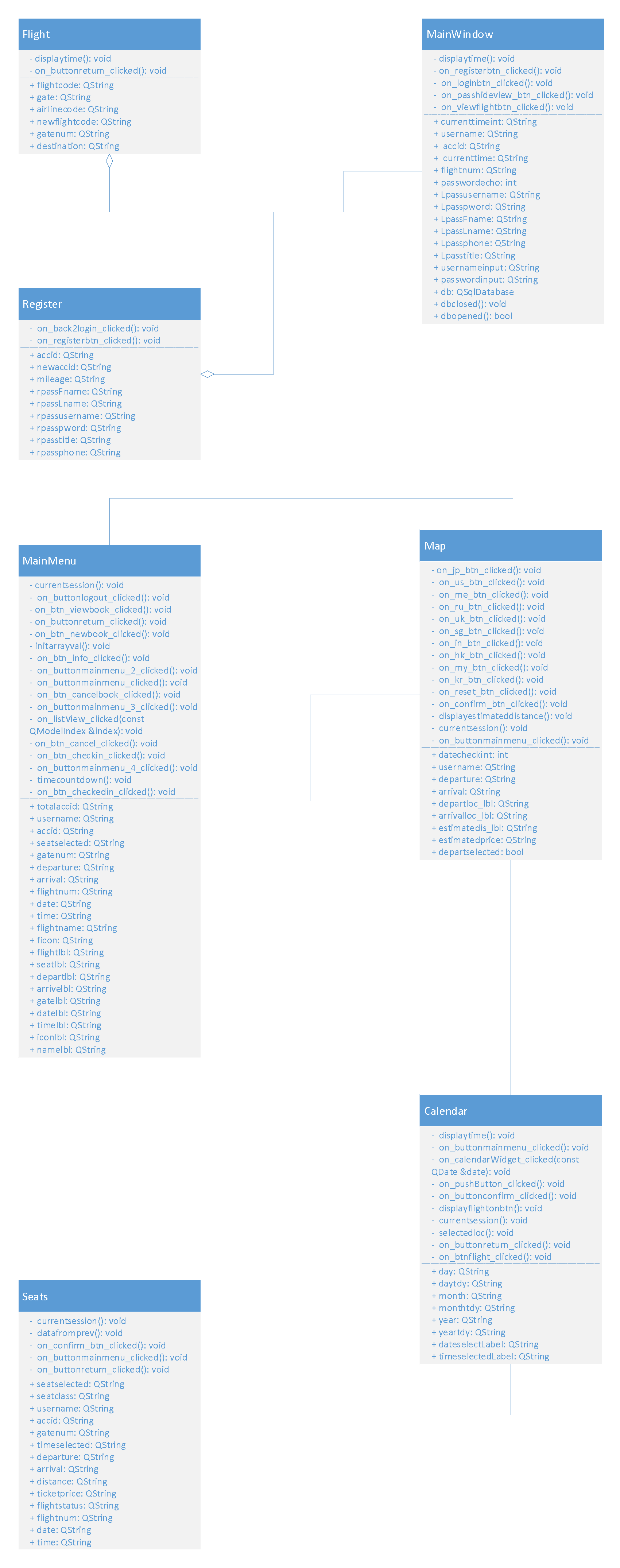
- Mainmenu: enables the user to make new booking, view booking, check in, cancel booking

- Map: enables the user to choose departure and arrival location

- Calendar: enables the user to choose desired date

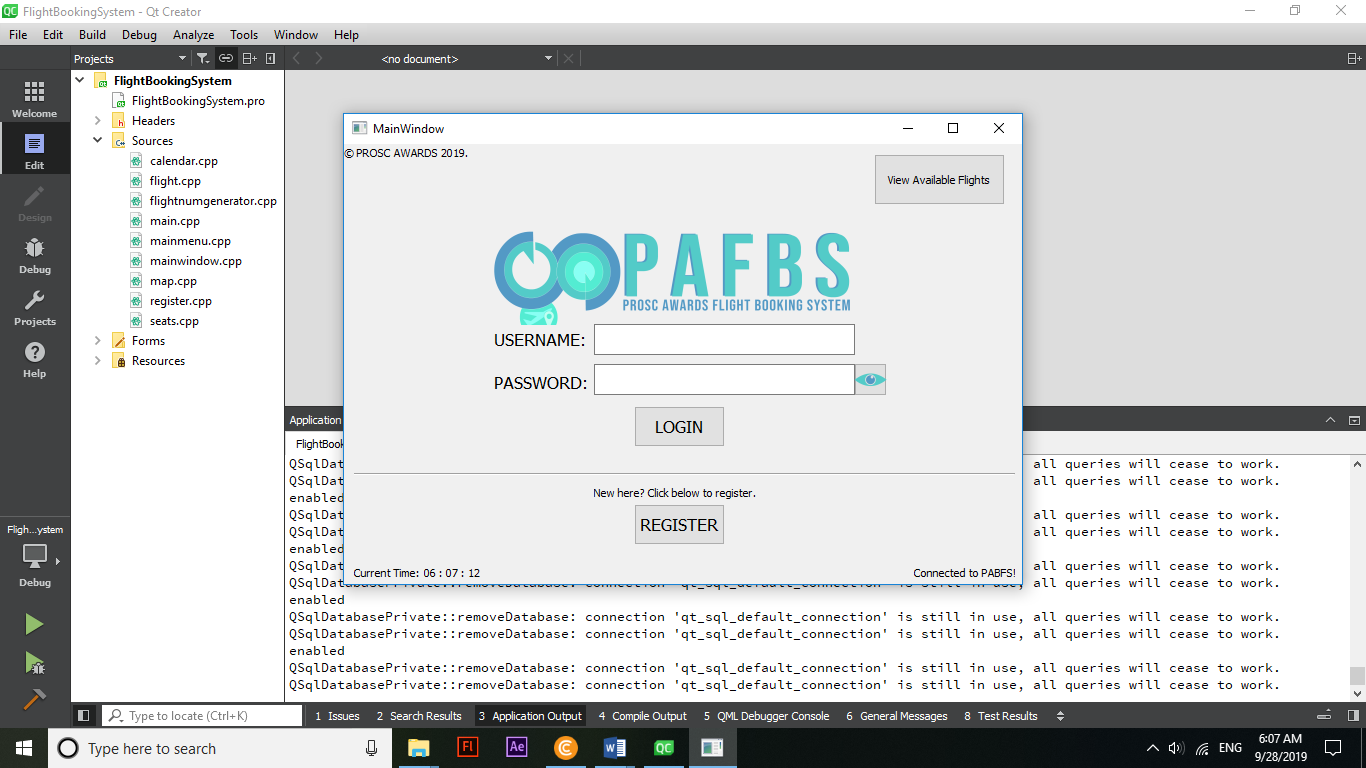
- Seats: enables the user to choose desired seat, business or economy

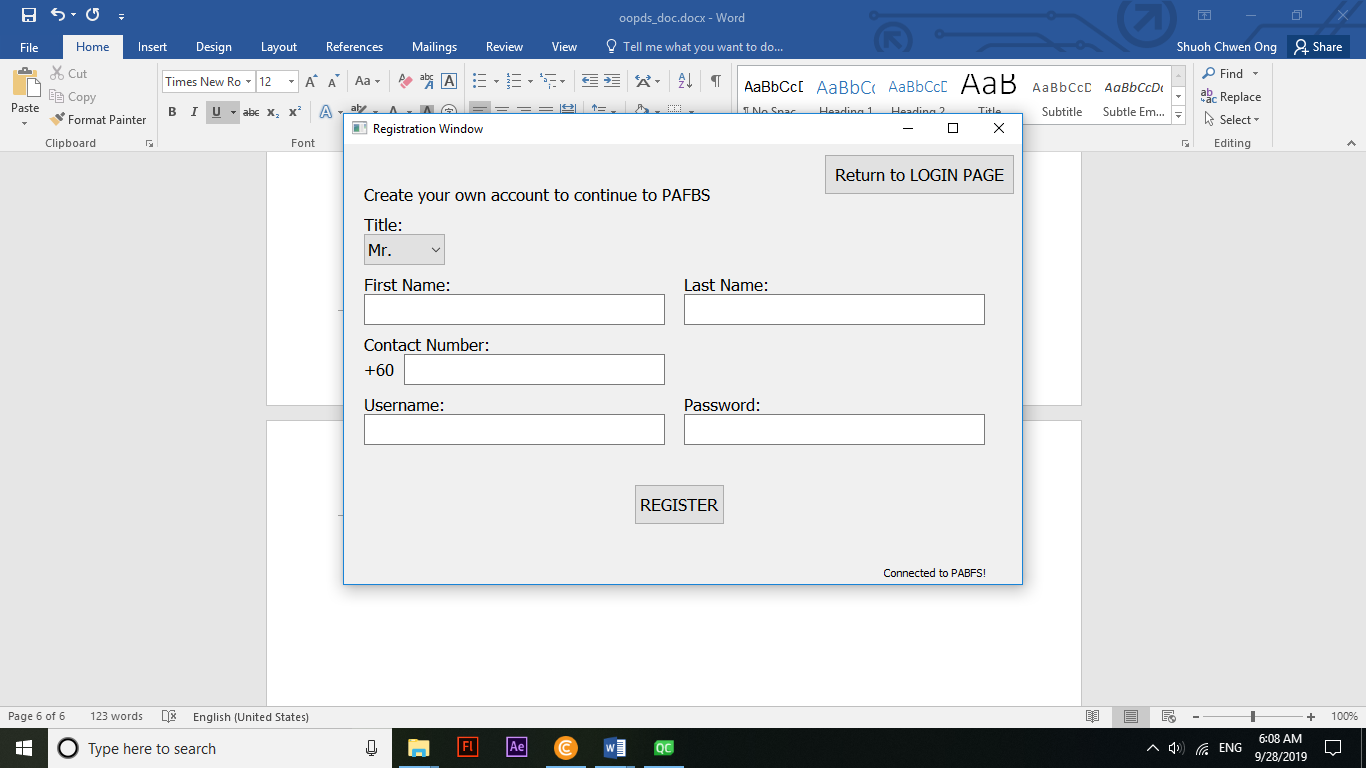
UML DIAGRAM



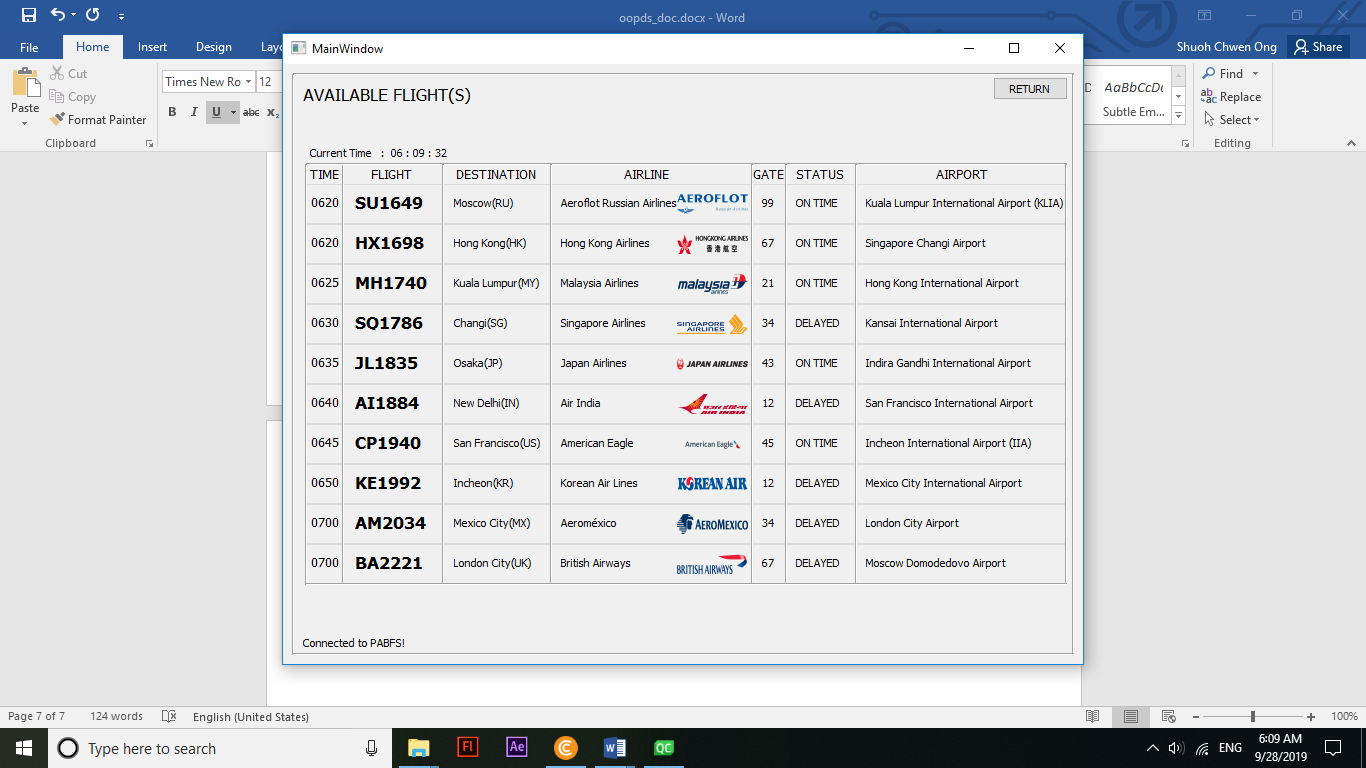
**Appendix A (Screenshots)**

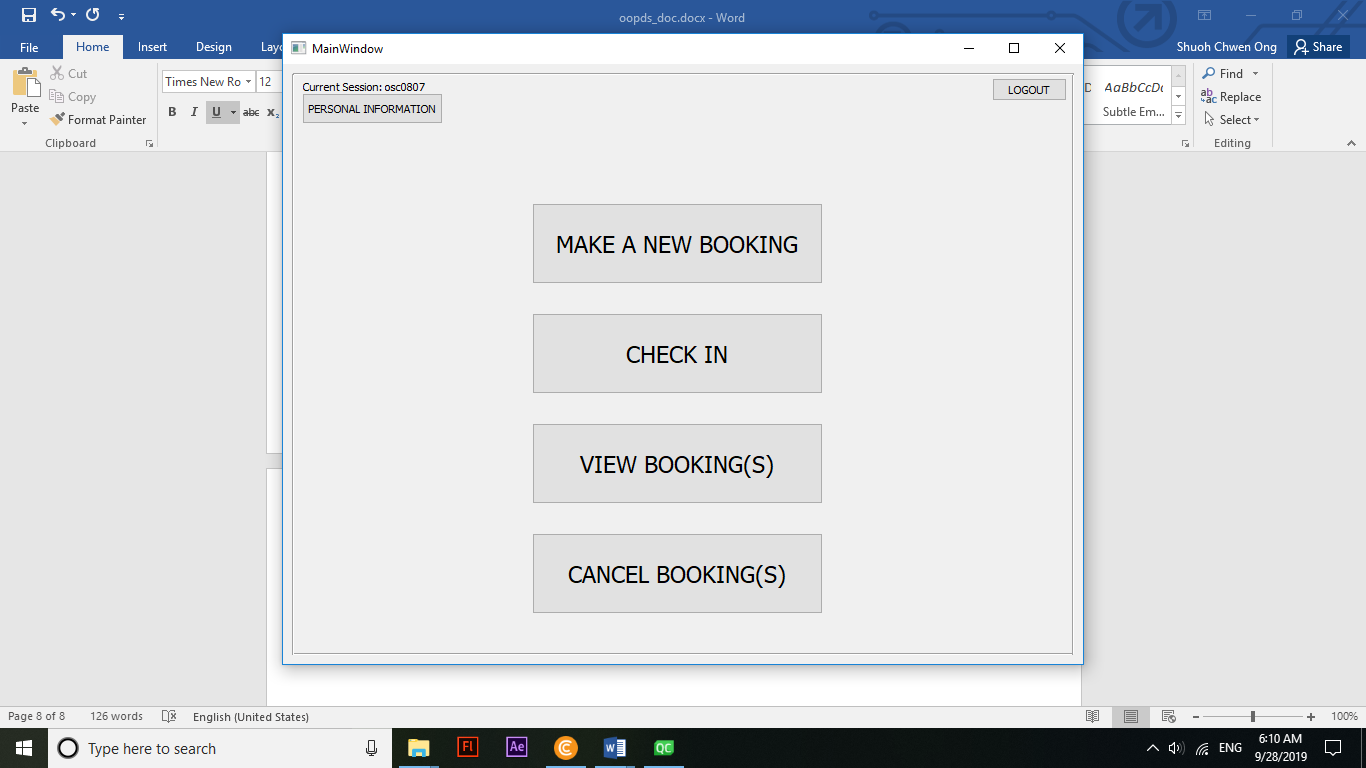
LOGIN

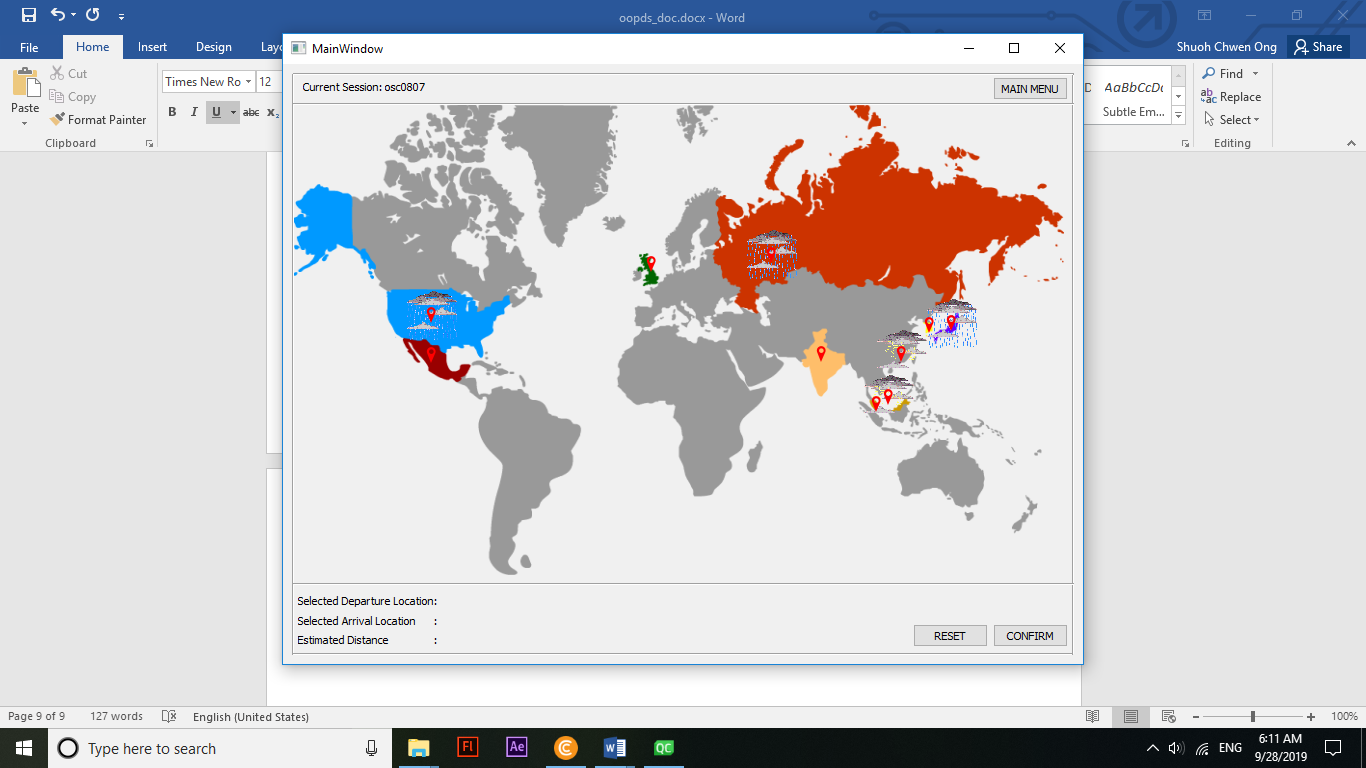


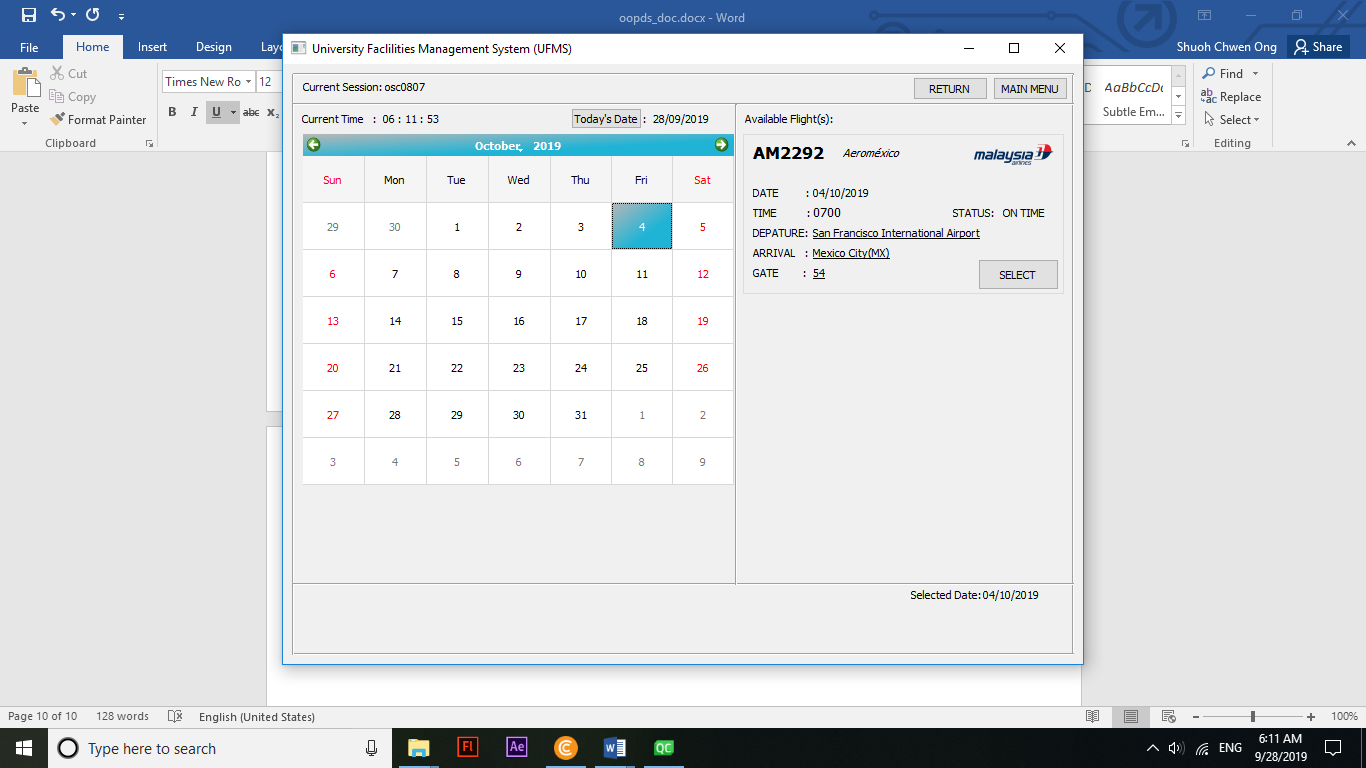
REGISTER

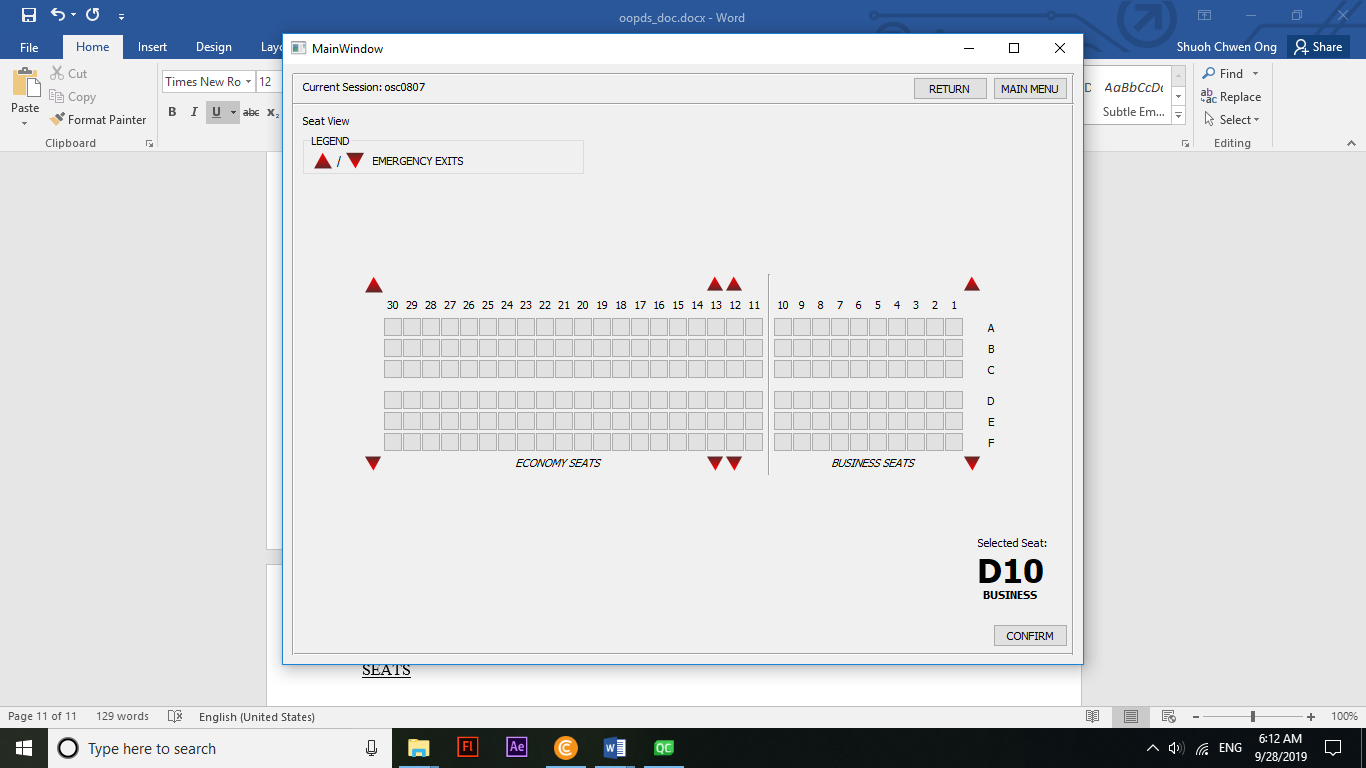
FLIGHT



MAIN MENU

MAP

CALENDAR

SEATS

**Appendix B (Source Codes)**

LOGIN (Header file)

#ifndef MAINWINDOW\_H

#define MAINWINDOW\_H

#include <QMainWindow>

#include <QDialog>

#include "register.h"

#include "map.h"

#include "ui\_map.h"

#include "flight.h"

#include "ui\_flight.h"

#include <QtSql>

namespace Ui {

class MainWindow;

}

class MainWindow : public QMainWindow

{

Q\_OBJECT

public:

explicit MainWindow(QWidget \*parent = nullptr);

int currenttimeint;

QString username, accid, currenttime;

QString flightnum;

int passwordecho;

QString Lpassusername, Lpasspword, LpassFname, LpassLname, Lpassphone, Lpasstitle;

QString usernameinput, passwordinput;

QSqlDatabase db;

void dbclosed();

bool dbopened();

~MainWindow();

private slots:

void displaytime();

void on\_registerbtn\_clicked();

void on\_loginbtn\_clicked();

void on\_passhideview\_btn\_clicked();

void on\_viewflightbtn\_clicked();

private:

Ui::MainWindow \*ui;

};

#endif // MAINWINDOW\_H

LOGIN (CPP file)

#include "mainwindow.h"

#include "map.h"

#include "ui\_map.h"

#include "flight.h"

#include "ui\_flight.h"

#include "mainmenu.h"

#include "ui\_mainmenu.h"

#include <QTimer>

#include <QTime>

#include <QDialog>

#include <QDebug>

#include <QApplication>

#include <QPushButton>

#include <QMessageBox>

#include <QPlainTextEdit>

#include <QLineEdit>

#include <QLabel>

#include <QtSql>

MainWindow::MainWindow(QWidget \*parent) :QMainWindow(parent), ui(new Ui::MainWindow)

{

ui->setupUi(this);

QTimer \*timer = new QTimer(this);

connect(timer, SIGNAL(timeout()), this, SLOT(displaytime()));

timer->start();

QTime time = QTime::currentTime();

currenttime = time.toString("hhmmss");

currenttimeint = currenttime.split(" ")[0].toInt();

ui->Lpasspword\_cin->setEchoMode(QLineEdit::Password);

QIcon pic;

pic.addPixmap(QPixmap(":/images/eyeview.png"));

ui->passhideview\_btn->setIcon(pic);

QPixmap logo;

logo.load(":/images/logo.png");

ui->logo->setPixmap(logo);

passwordecho = 2;

if (!dbopened()){ui->db\_lbl->setText("Failed to connect to UFMS...");}

else{ui->db\_lbl->setText("Connected to PABFS!");

QDateTime date = QDateTime::currentDateTime();

QString datetdy = date.toString("yyyy-MM-dd");

QString datefromdb;

QSqlQueryModel checkdate;

QSqlQuery updatestatus;

checkdate.setQuery("select \* from bookingdata order by booking\_id asc");

for (int i = 0; i< checkdate.rowCount();i++){

datefromdb = checkdate.record(i).value("date").toString();

if (datefromdb <= datetdy){

updatestatus.exec("update bookingdata set status = 'MISSED FLIGHT' where dateofbooked = '"+datefromdb+"'");}

else{}}

dbclosed();

}

}

bool MainWindow::dbopened(){

db = QSqlDatabase::addDatabase("QSQLITE");

db.setDatabaseName("G:/Degree/Sem3(1910)/TCP1201 - OOPDS/Assignment/FlightBookingSystem/pafbs.db");

if (!db.open()){return false;}

else{return true;}

}

void MainWindow::dbclosed(){

db.close();

db.removeDatabase(QSqlDatabase::defaultConnection);

}

void MainWindow::displaytime(){

QTime time = QTime::currentTime();

QString timeLabel = time.toString("hh : mm : ss");

currenttime = time.toString("hhmmss");

currenttimeint = currenttime.split(" ")[0].toInt();

ui->timedisplay->setText(timeLabel);

}

void MainWindow::on\_registerbtn\_clicked()

{

Register \*r;

hide();

r = new Register(this);

r->show();

}

MainWindow::~MainWindow()

{

delete ui;

}

void MainWindow::on\_loginbtn\_clicked()

{

usernameinput = ui->Lpassusername\_cin->text();

passwordinput = ui->Lpasspword\_cin->text();

dbopened();

QSqlQueryModel qry;

qry.setQuery("select \* from passengerdata order by acc\_id");

for (int i = 0; i < qry.rowCount();i++){

accid = qry.record(i).value("acc\_id").toString();

Lpassusername = qry.record(i).value("username").toString();

Lpasspword = qry.record(i).value("password").toString();

if ((usernameinput != Lpassusername && passwordinput == Lpasspword) ||

(usernameinput == Lpassusername && passwordinput != Lpasspword) ||

(usernameinput != Lpassusername && passwordinput != Lpasspword)){qDebug()<<"sama username ke pass";}

if (usernameinput == Lpassusername && passwordinput == Lpasspword){

QMessageBox::information(this, "Success", "Login Success!");

QFile currentuser("G:/Degree/Sem3(1910)/TCP1201 - OOPDS/Assignment/FlightBookingSystem/currentuser.txt");

currentuser.open(QIODevice::WriteOnly | QIODevice::Text | QIODevice::ReadWrite | QIODevice::Truncate);

QTextStream stream(&currentuser);

stream << usernameinput << " " <<accid;

dbclosed();

hide();

mainmenu \*m;

m = new mainmenu(this);

QTime timenow = QTime::currentTime();

QString currenttime = timenow.toString("hhmmss");

int currenttimeint = currenttime.split(" ")[0].toInt();

if ((currenttimeint >= 000000 && currenttimeint < 060000) ||

(currenttimeint >= 220000 && currenttimeint <= 235959)){

m->ui->btn\_newbook->setEnabled(false);

m->ui->standbymodelbl->show();}

else{

m->ui->btn\_newbook->setEnabled(true);

m->ui->standbymodelbl->hide();}

m->show();

break;}

else{}}

}

void MainWindow::on\_passhideview\_btn\_clicked()

{

while(passwordecho != 0 || 2){

if(passwordecho == 2){

ui->Lpasspword\_cin->setEchoMode(QLineEdit::Normal);

QIcon pic;

pic.addPixmap(QPixmap(":/images/eyehide.png"), QIcon::Normal, QIcon::On);

ui->passhideview\_btn->setIcon(pic);

passwordecho = 0;

break;}

if(passwordecho == 0){

ui->Lpasspword\_cin->setEchoMode(QLineEdit::Password);

QIcon pic;

pic.addPixmap(QPixmap(":/images/eyeview.png"), QIcon::Normal, QIcon::On);

ui->passhideview\_btn->setIcon(pic);

passwordecho = 2;

break;}

}

}

void MainWindow::on\_viewflightbtn\_clicked()

{

hide();

Flight \*f;

f = new Flight(this);

f->show();

}

LOGIN (HTML file)

<?xml version="1.0" encoding="UTF-8"?>

<ui version="4.0">

<class>MainWindow</class>

<widget class="QMainWindow" name="MainWindow">

<property name="geometry">

<rect>

<x>0</x>

<y>0</y>

<width>678</width>

<height>440</height>

</rect>

</property>

<property name="windowTitle">

<string>MainWindow</string>

</property>

<widget class="QWidget" name="centralWidget">

<widget class="QLabel" name="userid\_lbl">

<property name="geometry">

<rect>

<x>150</x>

<y>180</y>

<width>101</width>

<height>31</height>

</rect>

</property>

<property name="sizePolicy">

<sizepolicy hsizetype="Preferred" vsizetype="Preferred">

<horstretch>0</horstretch>

<verstretch>0</verstretch>

</sizepolicy>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

<kerning>true</kerning>

</font>

</property>

<property name="text">

<string>USERNAME:</string>

</property>

<property name="textFormat">

<enum>Qt::AutoText</enum>

</property>

<property name="indent">

<number>-13</number>

</property>

</widget>

<widget class="QLabel" name="userid\_lbl\_2">

<property name="geometry">

<rect>

<x>150</x>

<y>230</y>

<width>101</width>

<height>16</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string>PASSWORD:</string>

</property>

<property name="indent">

<number>-4</number>

</property>

</widget>

<widget class="QPushButton" name="loginbtn">

<property name="geometry">

<rect>

<x>290</x>

<y>262</y>

<width>91</width>

<height>41</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="cursor">

<cursorShape>PointingHandCursor</cursorShape>

</property>

<property name="text">

<string>LOGIN</string>

</property>

</widget>

<widget class="QPushButton" name="viewflightbtn">

<property name="geometry">

<rect>

<x>530</x>

<y>10</y>

<width>131</width>

<height>51</height>

</rect>

</property>

<property name="cursor">

<cursorShape>PointingHandCursor</cursorShape>

</property>

<property name="text">

<string>View Available Flights</string>

</property>

</widget>

<widget class="QLabel" name="regisques">

<property name="geometry">

<rect>

<x>250</x>

<y>340</y>

<width>171</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>New here? Click below to register.</string>

</property>

</widget>

<widget class="QPushButton" name="registerbtn">

<property name="geometry">

<rect>

<x>290</x>

<y>360</y>

<width>91</width>

<height>41</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="cursor">

<cursorShape>PointingHandCursor</cursorShape>

</property>

<property name="text">

<string>REGISTER</string>

</property>

</widget>

<widget class="Line" name="line">

<property name="geometry">

<rect>

<x>10</x>

<y>320</y>

<width>661</width>

<height>20</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Horizontal</enum>

</property>

</widget>

<widget class="QLabel" name="currentime\_lbl">

<property name="geometry">

<rect>

<x>10</x>

<y>420</y>

<width>71</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>Current Time:</string>

</property>

</widget>

<widget class="QLabel" name="timedisplay">

<property name="geometry">

<rect>

<x>80</x>

<y>420</y>

<width>291</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>TIME</string>

</property>

</widget>

<widget class="QLabel" name="label">

<property name="geometry">

<rect>

<x>0</x>

<y>0</y>

<width>131</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>© PROSC AWARDS 2019.</string>

</property>

</widget>

<widget class="QLineEdit" name="Lpassusername\_cin">

<property name="geometry">

<rect>

<x>250</x>

<y>180</y>

<width>261</width>

<height>31</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="clearButtonEnabled">

<bool>true</bool>

</property>

</widget>

<widget class="QLineEdit" name="Lpasspword\_cin">

<property name="geometry">

<rect>

<x>250</x>

<y>220</y>

<width>261</width>

<height>31</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="clearButtonEnabled">

<bool>true</bool>

</property>

</widget>

<widget class="QPushButton" name="passhideview\_btn">

<property name="geometry">

<rect>

<x>510</x>

<y>219</y>

<width>33</width>

<height>33</height>

</rect>

</property>

<property name="cursor">

<cursorShape>PointingHandCursor</cursorShape>

</property>

<property name="text">

<string/>

</property>

<property name="iconSize">

<size>

<width>35</width>

<height>35</height>

</size>

</property>

<property name="checkable">

<bool>true</bool>

</property>

<property name="autoRepeatDelay">

<number>0</number>

</property>

<property name="autoRepeatInterval">

<number>0</number>

</property>

<property name="flat">

<bool>false</bool>

</property>

</widget>

<widget class="QLabel" name="logo">

<property name="geometry">

<rect>

<x>150</x>

<y>70</y>

<width>371</width>

<height>111</height>

</rect>

</property>

<property name="text">

<string/>

</property>

<property name="scaledContents">

<bool>true</bool>

</property>

</widget>

<widget class="QLabel" name="db\_lbl">

<property name="geometry">

<rect>

<x>570</x>

<y>420</y>

<width>101</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>Connected to PABFS!</string>

</property>

</widget>

</widget>

</widget>

<layoutdefault spacing="6" margin="11"/>

<resources/>

<connections>

<connection>

<sender>Lpasspword\_cin</sender>

<signal>returnPressed()</signal>

<receiver>loginbtn</receiver>

<slot>click()</slot>

<hints>

<hint type="sourcelabel">

<x>437</x>

<y>237</y>

</hint>

<hint type="destinationlabel">

<x>352</x>

<y>296</y>

</hint>

</hints>

</connection>

</connections>

</ui>

REGISTER (Header file)

#ifndef REGISTER\_H

#define REGISTER\_H

#include "mainwindow.h"

#include <QMainWindow>

#include <QString>

#include <QKeyEvent>

namespace Ui {

class Register;

}

class Register : public QMainWindow

{

Q\_OBJECT

public:

explicit Register(QWidget \*parent = nullptr);

QString accid, newaccid, mileage;

QString rpassFname, rpassLname, rpassusername, rpasspword, rpasstitle, rpassphone;

~Register();

private slots:

void on\_back2login\_clicked();

void on\_registerbtn\_clicked();

//void reconfirmation();

private:

Ui::Register \*ui;

QKeyEvent \*event;

QMainWindow \*m;

};

#endif // REGISTER\_H

REGISTER (CPP file)

#include "register.h"

#include "ui\_register.h"

#include <QFile>

#include <QTextStream>

#include <QKeyEvent>

#include <QDebug>

#include <QMessageBox>

#include <QPushButton>

#include <QObject>

#include <QString>

#include <QIODevice>

Register::Register(QWidget \*parent) : QMainWindow(parent), ui(new Ui::Register)

{

ui->setupUi(this);

//QPixmap pic;

//pic.load("G:/Degree/Sem3(1910)/TCP1201 - OOPDS/Assignment/logo.png");

//int w = ui->logo\_lbl->width();

//int h = ui->logo\_lbl->height();

//ui->logo\_lbl->setPixmap(pic.scaled(w,h,Qt::KeepAspectRatio));

MainWindow m;

if (!m.dbopened()){ui->db\_lbl->setText("Failed to connect to UFMS...");}

else{ui->db\_lbl->setText("Connected to PABFS!");}

}

Register::~Register()

{

delete ui;

}

void Register::on\_back2login\_clicked()

{

QMessageBox::StandardButton selection = QMessageBox::question(this,"Returning to Login Page...","Are you sure you want to terminate the current registration?", QMessageBox::Yes | QMessageBox::No);

if (selection == QMessageBox::Yes){

hide();

m = new MainWindow(this);

m->show();

}

else{}

}

void Register::on\_registerbtn\_clicked()

{

rpassFname = ui->passFname\_cin->text();

rpassLname = ui->passLname\_cin->text();

rpassphone = ui->passphone\_cin->text();

rpassusername = ui->passusername\_cin->text();

rpasspword = ui->passpword\_cin->text();

rpasstitle = ui->comboBox->currentText();

MainWindow m;

m.dbopened();

QSqlQuery qry;

qry.prepare("insert into passengerdata (firstname,lastname,title,phonenum,username,password)" "values ('"+rpassFname+"','"+rpassLname+"','"+rpasstitle+"','"+rpassphone+"','"+rpassusername+"', '"+rpasspword+"')");

if(qry.exec()){

QMessageBox::information(this,"Redirecting...","Registered Sucessfully!");

m.dbclosed();

hide();

MainWindow \*m;

m = new MainWindow(this);

m->show();

}

else{QMessageBox::information(this,"Redirecting...","ERROR!");}

}

REGISTER (HTML file)

<?xml version="1.0" encoding="UTF-8"?>

<ui version="4.0">

<class>Register</class>

<widget class="QMainWindow" name="Register">

<property name="geometry">

<rect>

<x>0</x>

<y>0</y>

<width>678</width>

<height>440</height>

</rect>

</property>

<property name="windowTitle">

<string>Registration Window</string>

</property>

<widget class="QWidget" name="centralwidget">

<widget class="QLabel" name="label">

<property name="geometry">

<rect>

<x>20</x>

<y>130</y>

<width>101</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string>First Name:</string>

</property>

</widget>

<widget class="QLabel" name="title1">

<property name="geometry">

<rect>

<x>20</x>

<y>30</y>

<width>351</width>

<height>41</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string>Create your own account to continue to PAFBS</string>

</property>

</widget>

<widget class="QLabel" name="label\_2">

<property name="geometry">

<rect>

<x>340</x>

<y>130</y>

<width>101</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string>Last Name:</string>

</property>

</widget>

<widget class="QLabel" name="label\_3">

<property name="geometry">

<rect>

<x>20</x>

<y>250</y>

<width>101</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string>Username:</string>

</property>

</widget>

<widget class="QLabel" name="label\_4">

<property name="geometry">

<rect>

<x>340</x>

<y>250</y>

<width>101</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string>Password:</string>

</property>

</widget>

<widget class="QPushButton" name="registerbtn">

<property name="geometry">

<rect>

<x>290</x>

<y>340</y>

<width>91</width>

<height>41</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string>REGISTER</string>

</property>

</widget>

<widget class="QComboBox" name="comboBox">

<property name="geometry">

<rect>

<x>20</x>

<y>90</y>

<width>81</width>

<height>31</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<item>

<property name="text">

<string>Mr.</string>

</property>

</item>

<item>

<property name="text">

<string>Mrs.</string>

</property>

</item>

</widget>

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</property>

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</property>

<property name="text">

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</widget>

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</rect>

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</property>

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</property>

<property name="text">

<string>Contact Number:</string>

</property>

</widget>

<widget class="QLineEdit" name="passFname\_cin">

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<height>31</height>

</rect>

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<pointsize>13</pointsize>

</font>

</property>

<property name="clearButtonEnabled">

<bool>true</bool>

</property>

</widget>

<widget class="QLineEdit" name="passpword\_cin">

<property name="geometry">

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<y>270</y>

<width>301</width>

<height>31</height>

</rect>

</property>

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<width>151</width>

<height>41</height>

</rect>

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</property>

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</property>

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<bool>true</bool>

</property>

</widget>

<widget class="QLabel" name="db\_lbl">

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</property>

</widget>

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<y>210</y>

<width>71</width>

<height>31</height>

</rect>

</property>

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</property>

</widget>

</widget>

</widget>

<tabstops>

<tabstop>comboBox</tabstop>

<tabstop>registerbtn</tabstop>

<tabstop>back2login</tabstop>

</tabstops>

<resources/>

<connections/>

</ui>

FLIGHT (Header file)

#ifndef FLIGHT\_H

#define FLIGHT\_H

#include <QMainWindow>

#include <QPixmap>

#include "mainwindow.h"

#include "ui\_mainwindow.h"

#include "calendar.h"

#include "ui\_calendar.h"

namespace Ui {

class Flight;

}

class Flight : public QMainWindow

{

Q\_OBJECT

public:

explicit Flight(QWidget \*parent = nullptr);

int flightcode, gate;

QString airlinecode, newflightcode, gatenum, destination;

QString airportregion[10] = {"Kuala Lumpur(MY)",

"Changi(SG)",

"Hong Kong(HK)",

"Osaka(JP)",

"New Delhi(IN)",

"San Francisco(US)",

"Incheon(KR)",

"Mexico City(MX)",

"London City(UK)",

"Moscow(RU)"};

QString airportname[10] = {"Kuala Lumpur International Airport (KLIA)",

"Singapore Changi Airport",

"Hong Kong International Airport",

"Kansai International Airport",

"Indira Gandhi International Airport",

"San Francisco International Airport",

"Incheon International Airport (IIA)",

"Mexico City International Airport",

"London City Airport",

"Moscow Domodedovo Airport"};

QString airlinename[10] = {"Malaysia Airlines",

"Singapore Airlines",

"Hong Kong Airlines",

"Japan Airlines",

"Air India",

"American Eagle",

"Korean Air Lines",

"Aeroméxico",

"British Airways",

"Aeroflot Russian Airlines"};

QString flighttime[90]; QString flightnum[90], flightdestination[90], flightairport[90], flightairline[90], flightgate[90], flightstatus[90];

QPixmap flighticon[90] =

{QPixmap(":/images/ru.png"), QPixmap(":/images/hk.png"),QPixmap(":/images/my.png"),QPixmap(":/images/sg.png"), QPixmap(":/images/jp.png"), QPixmap(":/images/in.png"),QPixmap(":/images/us.png"),QPixmap(":/images/kr.png"), QPixmap(":/images/me.png"), QPixmap(":/images/uk.png"),

QPixmap(":/images/me.png"),QPixmap(":/images/ru.png"), QPixmap(":/images/my.png"), QPixmap(":/images/sg.png"),QPixmap(":/images/hk.png"),QPixmap(":/images/jp.png"),QPixmap(":/images/in.png"), QPixmap(":/images/us.png"),QPixmap(":/images/kr.png"),QPixmap(":/images/me.png"),

QPixmap(":/images/uk.png"), QPixmap(":/images/ru.png"),QPixmap(":/images/ru.png"),QPixmap(":/images/my.png"),QPixmap(":/images/sg.png"), QPixmap(":/images/hk.png"),QPixmap(":/images/jp.png"),QPixmap(":/images/in.png"),QPixmap(":/images/us.png"), QPixmap(":/images/kr.png"),

QPixmap(":/images/me.png"),QPixmap(":/images/uk.png"),QPixmap(":/images/ru.png"), QPixmap(":/images/ru.png"),QPixmap(":/images/my.png"),QPixmap(":/images/sg.png"),QPixmap(":/images/hk.png"), QPixmap(":/images/jp.png"),QPixmap(":/images/in.png"),QPixmap(":/images/us.png"),

QPixmap(":/images/kr.png"), QPixmap(":/images/me.png"),QPixmap(":/images/uk.png"),QPixmap(":/images/ru.png"),QPixmap(":/images/ru.png"), QPixmap(":/images/my.png"),QPixmap(":/images/sg.png"),QPixmap(":/images/hk.png"),QPixmap(":/images/jp.png"), QPixmap(":/images/in.png"),

QPixmap(":/images/us.png"),QPixmap(":/images/kr.png"),QPixmap(":/images/me.png"), QPixmap(":/images/uk.png"),QPixmap(":/images/ru.png"),QPixmap(":/images/ru.png"),QPixmap(":/images/my.png"), QPixmap(":/images/sg.png"),QPixmap(":/images/hk.png"),QPixmap(":/images/jp.png"),

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QPixmap(":/images/hk.png"),QPixmap(":/images/jp.png"),QPixmap(":/images/in.png"), QPixmap(":/images/us.png"),QPixmap(":/images/kr.png"),QPixmap(":/images/uk.png"),QPixmap(":/images/ru.png"), QPixmap(":/images/ru.png"),QPixmap(":/images/my.png"),QPixmap(":/images/sg.png"),

QPixmap(":/images/sg.png"), QPixmap(":/images/hk.png"),QPixmap(":/images/jp.png"),QPixmap(":/images/in.png"),QPixmap(":/images/us.png"), QPixmap(":/images/kr.png"),QPixmap(":/images/me.png"),QPixmap(":/images/uk.png"),QPixmap(":/images/ru.png"), QPixmap(":/images/my.png")};

QString timecompare;

int newtime;

void displayflight();

~Flight();

private slots:

void displaytime();

void on\_buttonreturn\_clicked();

private:

Ui::Flight \*ui;

};

#endif // FLIGHT\_H

FLIGHT (CPP file)

#include "flight.h"

#include "ui\_flight.h"

#include "mainwindow.h"

#include "ui\_mainwindow.h"

#include <qglobal.h>

#include <QTime>

#include <QtSql>

#include <QDebug>

Flight::Flight(QWidget \*parent) :QMainWindow(parent), ui(new Ui::Flight)

{

ui->setupUi(this);

QTimer \*timer = new QTimer(this);

connect(timer, SIGNAL(timeout()), this, SLOT(displaytime()));

timer->start();

QTime time = QTime::currentTime();

timecompare = time.toString("hhmm");

MainWindow m;

m.dbopened();

if (!m.dbopened()){ui->db\_lbl->setText("Failed to connect to PABFS...");}

else{ui->db\_lbl->setText("Connected to PABFS!");}

QSqlQueryModel qry;

qry.setQuery("select \* from flight order by time");

for (int i = 0; i < qry.rowCount();i++){

flighttime[i] = qry.record(i).value("time").toString();

flightnum[i] = qry.record(i).value("flightnum").toString();

flightdestination[i] = qry.record(i).value("destination").toString();

flightairport[i] = qry.record(i).value("airport").toString();

flightairline[i] = qry.record(i).value("airline").toString();

int flightgatenum = qry.record(i).value("gate").toInt();

flightgate[i] = QString::number(flightgatenum);

flightstatus[i] = qry.record(i).value("status").toString();

}

m.dbclosed();

displayflight();

}

void Flight::displaytime(){

QTime time = QTime::currentTime();

QString timeLabel = time.toString("hh : mm : ss");

ui->timedisplay->setText(timeLabel);

}

void Flight::displayflight(){

for (int i = 0; i < 90;i++){

if(flighttime[i] > timecompare){newtime = i;i=90;

ui->timelbl->setText(flighttime[newtime]);

ui->regionlbl->setText(flightdestination[newtime]);

ui->flightnumlbl->setText(flightnum[newtime]);

ui->airlinelbl->setText(flightairline[newtime]);

ui->flighticon->setPixmap(flighticon[newtime]);

ui->airportlbl->setText(flightairport[newtime]);

ui->status->setText(flightstatus[newtime]);

ui->gatenum->setText(flightgate[newtime]);

ui->timelbl\_2->setText(flighttime[newtime+1]);

ui->regionlbl\_2->setText(flightdestination[newtime+1]);

ui->flightnumlbl\_2->setText(flightnum[newtime+1]);

ui->airlinelbl\_2->setText(flightairline[newtime+1]);

ui->flighticon\_2->setPixmap(flighticon[newtime+1]);

ui->airportlbl\_2->setText(flightairport[newtime+1]);

ui->status\_2->setText(flightstatus[newtime+1]);

ui->gatenum\_2->setText(flightgate[newtime+1]);

ui->timelbl\_3->setText(flighttime[newtime+2]);

ui->regionlbl\_3->setText(flightdestination[newtime+2]);

ui->flightnumlbl\_3->setText(flightnum[newtime+2]);

ui->airlinelbl\_3->setText(flightairline[newtime+2]);

ui->flighticon\_3->setPixmap(flighticon[newtime+2]);

ui->airportlbl\_3->setText(flightairport[newtime+2]);

ui->status\_3->setText(flightstatus[newtime+2]);

ui->gatenum\_3->setText(flightgate[newtime+2]);

ui->timelbl\_4->setText(flighttime[newtime+3]);

ui->regionlbl\_4->setText(flightdestination[newtime+3]);

ui->flightnumlbl\_4->setText(flightnum[newtime+3]);

ui->airlinelbl\_4->setText(flightairline[newtime+3]);

ui->flighticon\_4->setPixmap(flighticon[newtime+3]);

ui->airportlbl\_4->setText(flightairport[newtime+3]);

ui->status\_4->setText(flightstatus[newtime+3]);

ui->gatenum\_4->setText(flightgate[newtime+3]);

ui->timelbl\_5->setText(flighttime[newtime+4]);

ui->regionlbl\_5->setText(flightdestination[newtime+4]);

ui->flightnumlbl\_5->setText(flightnum[newtime+4]);

ui->airlinelbl\_5->setText(flightairline[newtime+4]);

ui->flighticon\_5->setPixmap(flighticon[newtime+4]);

ui->airportlbl\_5->setText(flightairport[newtime+4]);

ui->status\_5->setText(flightstatus[newtime+4]);

ui->gatenum\_5->setText(flightgate[newtime+4]);

ui->timelbl\_6->setText(flighttime[newtime+5]);

ui->regionlbl\_6->setText(flightdestination[newtime+5]);

ui->flightnumlbl\_6->setText(flightnum[newtime+5]);

ui->airlinelbl\_6->setText(flightairline[newtime+5]);

ui->flighticon\_6->setPixmap(flighticon[newtime+5]);

ui->airportlbl\_6->setText(flightairport[newtime+5]);

ui->status\_6->setText(flightstatus[newtime+5]);

ui->gatenum\_6->setText(flightgate[newtime+5]);

ui->timelbl\_7->setText(flighttime[newtime+6]);

ui->regionlbl\_7->setText(flightdestination[newtime+6]);

ui->flightnumlbl\_7->setText(flightnum[newtime+6]);

ui->airlinelbl\_7->setText(flightairline[newtime+6]);

ui->flighticon\_7->setPixmap(flighticon[newtime+6]);

ui->airportlbl\_7->setText(flightairport[newtime+6]);

ui->status\_7->setText(flightstatus[newtime+6]);

ui->gatenum\_7->setText(flightgate[newtime+6]);

ui->timelbl\_8->setText(flighttime[newtime+7]);

ui->regionlbl\_8->setText(flightdestination[newtime+7]);

ui->flightnumlbl\_8->setText(flightnum[newtime+7]);

ui->airlinelbl\_8->setText(flightairline[newtime+7]);

ui->flighticon\_8->setPixmap(flighticon[newtime+7]);

ui->airportlbl\_8->setText(flightairport[newtime+7]);

ui->status\_8->setText(flightstatus[newtime+7]);

ui->gatenum\_8->setText(flightgate[newtime+7]);

ui->timelbl\_9->setText(flighttime[newtime+8]);

ui->regionlbl\_9->setText(flightdestination[newtime+8]);

ui->flightnumlbl\_9->setText(flightnum[newtime+8]);

ui->airlinelbl\_9->setText(flightairline[newtime+8]);

ui->flighticon\_9->setPixmap(flighticon[newtime+8]);

ui->airportlbl\_9->setText(flightairport[newtime+8]);

ui->status\_9->setText(flightstatus[newtime+8]);

ui->gatenum\_9->setText(flightgate[newtime+8]);

ui->timelbl\_10->setText(flighttime[newtime+9]);

ui->regionlbl\_10->setText(flightdestination[newtime+9]);

ui->flightnumlbl\_10->setText(flightnum[newtime+9]);

ui->airlinelbl\_10->setText(flightairline[newtime+9]);

ui->flighticon\_10->setPixmap(flighticon[newtime+9]);

ui->airportlbl\_10->setText(flightairport[newtime+9]);

ui->status\_10->setText(flightstatus[newtime+9]);

ui->gatenum\_10->setText(flightgate[newtime+9]);

break;}

if(flighttime[i] >= 2035 && flighttime[i] >= 2055){newtime = i; i = 90;

ui->timelbl->setText(flighttime[newtime]);

ui->regionlbl->setText(flightdestination[newtime]);

ui->flightnumlbl->setText(flightnum[newtime]);

ui->airlinelbl->setText(flightairline[newtime]);

ui->flighticon->setPixmap(flighticon[newtime]);

ui->airportlbl->setText(flightairport[newtime]);

ui->status->setText(flightstatus[newtime]);

ui->gatenum->setText(flightgate[newtime]);

ui->timelbl\_2->setText(flighttime[newtime+1]);

ui->regionlbl\_2->setText(flightdestination[newtime+1]);

ui->flightnumlbl\_2->setText(flightnum[newtime+1]);

ui->airlinelbl\_2->setText(flightairline[newtime+1]);

ui->flighticon\_2->setPixmap(flighticon[newtime+1]);

ui->airportlbl\_2->setText(flightairport[newtime+1]);

ui->status\_2->setText(flightstatus[newtime+1]);

ui->gatenum\_2->setText(flightgate[newtime+1]);

ui->timelbl\_3->setText(flighttime[newtime+2]);

ui->regionlbl\_3->setText(flightdestination[newtime+2]);

ui->flightnumlbl\_3->setText(flightnum[newtime+2]);

ui->airlinelbl\_3->setText(flightairline[newtime+2]);

ui->flighticon\_3->setPixmap(flighticon[newtime+2]);

ui->airportlbl\_3->setText(flightairport[newtime+2]);

ui->status\_3->setText(flightstatus[newtime+2]);

ui->gatenum\_3->setText(flightgate[newtime+2]);

ui->timelbl\_4->setText(flighttime[newtime+3]);

ui->regionlbl\_4->setText(flightdestination[newtime+3]);

ui->flightnumlbl\_4->setText(flightnum[newtime+3]);

ui->airlinelbl\_4->setText(flightairline[newtime+3]);

ui->flighticon\_4->setPixmap(flighticon[newtime+3]);

ui->airportlbl\_4->setText(flightairport[newtime+3]);

ui->status\_4->setText(flightstatus[newtime+3]);

ui->gatenum\_4->setText(flightgate[newtime+3]);

ui->timelbl\_5->setText(flighttime[newtime+4]);

ui->regionlbl\_5->setText(flightdestination[newtime+4]);

ui->flightnumlbl\_5->setText(flightnum[newtime+4]);

ui->airlinelbl\_5->setText(flightairline[newtime+4]);

ui->flighticon\_5->setPixmap(flighticon[newtime+4]);

ui->airportlbl\_5->setText(flightairport[newtime+4]);

ui->status\_5->setText(flightstatus[newtime+4]);

ui->gatenum\_5->setText(flightgate[newtime+4]);

ui->timelbl\_6->setText(flighttime[newtime+5]);

ui->regionlbl\_6->setText(flightdestination[newtime+5]);

ui->flightnumlbl\_6->setText(flightnum[newtime+5]);

ui->airlinelbl\_6->setText(flightairline[newtime+5]);

ui->flighticon\_6->setPixmap(flighticon[newtime+5]);

ui->airportlbl\_6->setText(flightairport[newtime+5]);

ui->status\_6->setText(flightstatus[newtime+5]);

ui->gatenum\_6->setText(flightgate[newtime+5]);

ui->timelbl\_7->setText(flighttime[newtime+6]);

ui->regionlbl\_7->setText(flightdestination[newtime+6]);

ui->flightnumlbl\_7->setText(flightnum[newtime+6]);

ui->airlinelbl\_7->setText(flightairline[newtime+6]);

ui->flighticon\_7->setPixmap(flighticon[newtime+6]);

ui->airportlbl\_7->setText(flightairport[newtime+6]);

ui->status\_7->setText(flightstatus[newtime+6]);

ui->gatenum\_7->setText(flightgate[newtime+6]);

ui->timelbl\_8->setText(flighttime[newtime+7]);

ui->regionlbl\_8->setText(flightdestination[newtime+7]);

ui->flightnumlbl\_8->setText(flightnum[newtime+7]);

ui->airlinelbl\_8->setText(flightairline[newtime+7]);

ui->flighticon\_8->setPixmap(flighticon[newtime+7]);

ui->airportlbl\_8->setText(flightairport[newtime+7]);

ui->status\_8->setText(flightstatus[newtime+7]);

ui->gatenum\_8->setText(flightgate[newtime+7]);

ui->timelbl\_9->setText(flighttime[newtime+8]);

ui->regionlbl\_9->setText(flightdestination[newtime+8]);

ui->flightnumlbl\_9->setText(flightnum[newtime+8]);

ui->airlinelbl\_9->setText(flightairline[newtime+8]);

ui->flighticon\_9->setPixmap(flighticon[newtime+8]);

ui->airportlbl\_9->setText(flightairport[newtime+8]);

ui->status\_9->setText(flightstatus[newtime+8]);

ui->gatenum\_9->setText(flightgate[newtime+8]);

ui->timelbl\_10->setText(flighttime[newtime-i]);

ui->regionlbl\_10->setText(flightdestination[newtime-i]);

ui->flightnumlbl\_10->setText(flightnum[newtime-i]);

ui->airlinelbl\_10->setText(flightairline[newtime-i]);

ui->flighticon\_10->setPixmap(flighticon[newtime-i]);

ui->airportlbl\_10->setText(flightairport[newtime-i]);

ui->status\_10->setText(flightstatus[newtime-i]);

ui->gatenum\_10->setText(flightgate[newtime-i]);

break;

}

else{}

}

}

Flight::~Flight()

{

delete ui;

}

void Flight::on\_buttonreturn\_clicked()

{

hide();

MainWindow \*m;

m = new MainWindow(this);

m->show();

}

FLIGHT (HTML file)

<?xml version="1.0" encoding="UTF-8"?>

<ui version="4.0">

<class>Flight</class>

<widget class="QMainWindow" name="Flight">

<property name="geometry">

<rect>

<x>0</x>

<y>0</y>

<width>800</width>

<height>600</height>

</rect>

</property>

<property name="windowTitle">

<string>MainWindow</string>

</property>

<widget class="QWidget" name="centralwidget">

<widget class="Line" name="frame4">

<property name="geometry">

<rect>

<x>10</x>

<y>0</y>

<width>781</width>

<height>20</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Horizontal</enum>

</property>

</widget>

<widget class="Line" name="frame3">

<property name="geometry">

<rect>

<x>780</x>

<y>10</y>

<width>20</width>

<height>581</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Vertical</enum>

</property>

</widget>

<widget class="Line" name="frame1">

<property name="geometry">

<rect>

<x>0</x>

<y>10</y>

<width>20</width>

<height>581</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Vertical</enum>

</property>

</widget>

<widget class="Line" name="frame2">

<property name="geometry">

<rect>

<x>10</x>

<y>580</y>

<width>781</width>

<height>20</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Horizontal</enum>

</property>

</widget>

<widget class="QGroupBox" name="groupBox">

<property name="geometry">

<rect>

<x>23</x>

<y>120</y>

<width>761</width>

<height>41</height>

</rect>

</property>

<property name="title">

<string/>

</property>

<widget class="QLabel" name="regionlbl">

<property name="geometry">

<rect>

<x>148</x>

<y>10</y>

<width>91</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>San Francisco(US)</string>

</property>

</widget>

<widget class="QLabel" name="flightnumlbl">

<property name="geometry">

<rect>

<x>49</x>

<y>10</y>

<width>81</width>

<height>16</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

<weight>75</weight>

<bold>true</bold>

</font>

</property>

<property name="text">

<string>WW9999</string>

</property>

</widget>

<widget class="QLabel" name="airportlbl">

<property name="geometry">

<rect>

<x>560</x>

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<width>761</width>

<height>41</height>

</rect>

</property>

<property name="title">

<string/>

</property>

<widget class="QLabel" name="regionlbl\_9">

<property name="geometry">

<rect>

<x>148</x>

<y>10</y>

<width>91</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>San Francisco(US)</string>

</property>

</widget>

<widget class="QLabel" name="flightnumlbl\_9">

<property name="geometry">

<rect>

<x>49</x>

<y>10</y>

<width>81</width>

<height>16</height>

</rect>

</property>

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<x>560</x>

<y>10</y>

<width>201</width>

<height>16</height>

</rect>

</property>

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<string>Kuala Lumpur International Airport (KLIA)</string>

</property>

</widget>

<widget class="QLabel" name="timelbl\_9">

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<x>5</x>

<y>10</y>

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<height>16</height>

</rect>

</property>

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<y>10</y>

<width>121</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>Aeroflot Russian Airlines</string>

</property>

</widget>

<widget class="QLabel" name="gatenum\_9">

<property name="geometry">

<rect>

<x>456</x>

<y>10</y>

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</property>

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<x>148</x>

<y>10</y>

<width>91</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>San Francisco(US)</string>

</property>

</widget>

<widget class="QLabel" name="flightnumlbl\_10">

<property name="geometry">

<rect>

<x>49</x>

<y>10</y>

<width>81</width>

<height>16</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

<weight>75</weight>

<bold>true</bold>

</font>

</property>

<property name="text">

<string>WW9999</string>

</property>

</widget>

<widget class="QLabel" name="airportlbl\_10">

<property name="geometry">

<rect>

<x>560</x>

<y>10</y>

<width>201</width>

<height>16</height>

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</property>

<property name="text">

<string>Kuala Lumpur International Airport (KLIA)</string>

</property>

</widget>

<widget class="QLabel" name="timelbl\_10">

<property name="geometry">

<rect>

<x>5</x>

<y>10</y>

<width>31</width>

<height>16</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>10</pointsize>

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</property>

<property name="text">

<string>9999</string>

</property>

</widget>

<widget class="QLabel" name="flighticon\_10">

<property name="geometry">

<rect>

<x>371</x>

<y>10</y>

<width>71</width>

<height>20</height>

</rect>

</property>

<property name="text">

<string>icon</string>

</property>

<property name="scaledContents">

<bool>true</bool>

</property>

<property name="alignment">

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</widget>

<widget class="QLabel" name="airlinelbl\_10">

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</property>

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</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string>AVAILABLE FLIGHT(S)</string>

</property>

</widget>

<widget class="Line" name="line">

<property name="geometry">

<rect>

<x>50</x>

<y>100</y>

<width>20</width>

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<height>16</height>

</rect>

</property>

<property name="text">

<string>Current Time :</string>

</property>

</widget>

<widget class="QLabel" name="timedisplay">

<property name="geometry">

<rect>

<x>108</x>

<y>80</y>

<width>111</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>CLOCK</string>

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</widget>

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<x>20</x>

<y>570</y>

<width>101</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>Connected</string>

</property>

</widget>

</widget>

</widget>

<resources/>

<connections/>

</ui>

FLIGHTNUMGENERATOR (Header file)

#ifndef FLIGHTNUMGENERATOR\_H

#define FLIGHTNUMGENERATOR\_H

#include <QMainWindow>

namespace **Ui** {

class **FlightNumGenerator**;

}

class **FlightNumGenerator** : public QMainWindow

{

Q\_OBJECT

public:

explicit **FlightNumGenerator**(QWidget \*parent = nullptr);

QString airlineiata[90] = {"SU","HX","MH","SQ","JL","AI","CP","KE","AM","BA",

"AM","SU","MH","SQ","HX","JL","AI","CP","KE","AM",

"BA","SU","SU","MH","SQ","HX","JL","AI","CP","KE",

"AM","BA","SU","SU","MH","SQ","HX","JL","AI","CP",

"KE","AM","BA","SU","SU","MH","SQ","HX","JL","AI",

"CP","KE","AM","BA","SU","SU","MH","SQ","HX","JL",

"AI","CP","KE","AM","BA","SU","AM","MH","SQ","HX",

"HX","JL","AI","CP","KE","BA","SU","SU","MH","SQ",

"SQ","HX","JL","AI","CP","KE","AM","BA","SU","MH"};

QString flightnum;

void **flightnumgenerator**();

~***FlightNumGenerator***();

private:

Ui::FlightNumGenerator \*ui;

};

#endif // FLIGHTNUMGENERATOR\_H

FLIGHTNUMGENERATOR (CPP file)

#include "flightnumgenerator.h"

#include "ui\_flightnumgenerator.h"

#include "mainwindow.h"

#include "mainmenu.h"

#include "ui\_mainmenu.h"

#include <QtSql>

#include <QTimer>

FlightNumGenerator::FlightNumGenerator(QWidget \*parent) : QMainWindow(parent), ui(new Ui::FlightNumGenerator)

{

ui->setupUi(this);

QTimer \*timer = new QTimer(this);

connect(timer, SIGNAL(timeout()), this, SLOT(displaytime()));

timer->start();

QTime time = QTime::currentTime();

QString currenttime = time.toString("hhmmss");

mainmenu \*menu;

menu = new mainmenu(this);

int currenttimeint = currenttime.split(" ")[0].toInt();

if ((currenttimeint >= 000000 && currenttimeint < 060000) ||

(currenttimeint >= 220000 && currenttimeint <= 235959)){

menu->ui->btn\_newbook->setEnabled(false);

menu->ui->btn\_checkin->setEnabled(false);

menu->ui->standbymodelbl->show();

MainWindow m;

m.dbopened();

QSqlQueryModel readflightdata;

QSqlQuery randomgenerator;

readflightdata.setQuery("select \* from flight");

for (int i = 0; i< readflightdata.rowCount(); i++){

QString no = readflightdata.record(i).value("no").toString();

qsrand(QDateTime::currentMSecsSinceEpoch()%UINT\_MAX);

int randomnum = qrand() % (9999 - 1000 + 1) + 1000;

QString randomnumstr = QString::number(randomnum);

flightnum = airlineiata[i] + randomnumstr;

randomgenerator.exec("update flight set flightnum = '"+flightnum+"' where no = '"+no+"'");}

m.dbclosed();}

else{

menu->ui->btn\_newbook->setEnabled(true);

menu->ui->btn\_checkin->setEnabled(true);

menu->ui->standbymodelbl->hide();}

}

FlightNumGenerator::~FlightNumGenerator()

{

delete ui;

}

MAIN MENU (Header file)

#ifndef MAINMENU\_H

#define MAINMENU\_H

#include <QMainWindow>

#include <QLabel>

#include <QDateTime>

#include <QTime>

namespace Ui {

class mainmenu;

}

class mainmenu : public QMainWindow

{

Q\_OBJECT

public:

Ui::mainmenu \*ui;

explicit mainmenu(QWidget \*parent = nullptr);

int value, totalaccid;

QTime timercountdown = QTime::currentTime();

QString timeLabel = timercountdown.toString("hhmm");

QString timecountdownlbl;

QString username, accid, \*seatselected, \*gatenum, \*departure, \*arrival, \*flightnum, \*date, \*time, \*flightname;

QString selectedbookid;

QString timeofbooked, dateofbooked, time4digit, timeb4checkin, bookingid, gatecheckin;

QDateTime datetdy = QDateTime::currentDateTime();

QString datetdylbl = datetdy.toString("dd/MM/yyyy");

QPixmap \*ficon;

QLabel \*flightlbl, \*seatlbl, \*departlbl, \*arrivelbl, \*gatelbl, \*datelbl, \*timelbl, \*iconlbl, \*namelbl;

QString region[10] = {"MY","SG","HK","JP","IN","US","KR","ME","UK","RU"};

QString airlinename[10] = {"Malaysia Airlines",

"Singapore Airlines",

"Hong Kong Airlines",

"Japan Airlines",

"Air India",

"American Eagle",

"Korean Air Lines",

"Aeroméxico",

"British Airways",

"Aeroflot Russian Airlines"};

QPixmap flighticon[10] ={QPixmap(":/images/my.png"),

QPixmap(":/images/sg.png"),

QPixmap(":/images/hk.png"),

QPixmap(":/images/jp.png"),

QPixmap(":/images/in.png"),

QPixmap(":/images/us.png"),

QPixmap(":/images/kr.png"),

QPixmap(":/images/me.png"),

QPixmap(":/images/uk.png"),

QPixmap(":/images/ru.png"),};

~mainmenu();

private slots:

void currentsession();

void on\_buttonlogout\_clicked();

void on\_btn\_viewbook\_clicked();

void on\_buttonreturn\_clicked();

void on\_btn\_newbook\_clicked();

void initarrayval();

void on\_btn\_info\_clicked();

void on\_buttonmainmenu\_2\_clicked();

void on\_buttonmainmenu\_clicked();

void on\_btn\_cancelbook\_clicked();

void on\_buttonmainmenu\_3\_clicked();

void on\_listView\_clicked(const QModelIndex &index);

void on\_btn\_cancel\_clicked();

void on\_btn\_checkin\_clicked();

void on\_buttonmainmenu\_4\_clicked();

void timecountdown();

void on\_btn\_checkedin\_clicked();

private:

};

#endif // MAINMENU\_H

MAIN MENU (CPP file)

#include "mainmenu.h"

#include "ui\_mainmenu.h"

#include "mainwindow.h"

#include "ui\_mainwindow.h"

#include "map.h"

#include "ui\_map.h"

#include <QTime>

#include <QTimer>

#include <QtSql>

#include <QDebug>

#include <QMessageBox>

#include <QVarLengthArray>

#include <QFormLayout>

#include <QHBoxLayout>

mainmenu::**mainmenu**(QWidget \*parent) :QMainWindow(parent),ui(new Ui::mainmenu)

{

ui->setupUi(this);

QTimer \*timer = new QTimer(this);

connect(timer, SIGNAL(timeout()), this, SLOT(currentsession()));

connect(timer, SIGNAL(timeout()), this, SLOT(initarrayval()));

timer->start();

ui->frame1->hide();

ui->frame3->hide();

ui->frame4->hide();

ui->frame5->hide();

}

void mainmenu::**currentsession**(){

QFile currentuser("G:/Degree/Sem3(1910)/TCP1201 - OOPDS/Assignment/FlightBookingSystem/currentuser.txt");

currentuser.*open*(QFile::ReadOnly | QFile::Text);

QTextStream in(&currentuser);

in>>username>>accid;

ui->currentuser\_lbl->setText(username);

currentuser.flush();

currentuser.*close*();

}

void mainmenu::**initarrayval**(){

QTime timenow = QTime::currentTime();

QString currenttime = timenow.toString("hhmmss");

time4digit = timenow.toString("hhmm");

int currenttimeint = currenttime.split(" ")[0].toInt();

if ((currenttimeint >= 000000 && currenttimeint < 060000) ||

(currenttimeint >= 220000 && currenttimeint <= 235959)){

ui->btn\_newbook->setEnabled(false);

ui->standbymodelbl->show();

}

else{

ui->btn\_newbook->setEnabled(true);

ui->standbymodelbl->hide();

}

MainWindow m;

m.dbopened();

QSqlQuery count;

count.exec("select SUM(acc\_id) from bookingdata where acc\_id = '"+accid+"' ");

if (count.next()) {

totalaccid = count.value(0).toInt();

}

seatselected = new QString[totalaccid];

gatenum = new QString[totalaccid];

departure = new QString[totalaccid];

arrival = new QString[totalaccid];

flightnum = new QString[totalaccid];

date = new QString[totalaccid];

time = new QString[totalaccid];

flightname = new QString[totalaccid];

ficon = new QPixmap[totalaccid];

flightlbl = new QLabel[totalaccid];

seatlbl = new QLabel[totalaccid];

departlbl = new QLabel[totalaccid];

arrivelbl = new QLabel[totalaccid];

gatelbl = new QLabel[totalaccid];

datelbl = new QLabel[totalaccid];

timelbl = new QLabel[totalaccid];

iconlbl = new QLabel[totalaccid];

namelbl = new QLabel[totalaccid];

QSqlQueryModel qry;

qry.setQuery("select \* from bookingdata where acc\_id = '"+accid+"'");

for (int i = 0; i < qry.*rowCount*();i++){

flightnum[i] = qry.record(i).value("flightnum").toString();

gatenum[i] = qry.record(i).value("gate").toString();

date[i] = qry.record(i).value("date").toString();

time[i] = qry.record(i).value("time").toString();

seatselected[i] = qry.record(i).value("seat").toString();

departure[i] = qry.record(i).value("departure").toString();

arrival[i] = qry.record(i).value("arrival").toString();

if (arrival[i] == region[0]){flightname[i] = airlinename[0]; ficon[i] = flighticon[0];}

if (arrival[i] == region[1]){flightname[i] = airlinename[1]; ficon[i] = flighticon[1];}

if (arrival[i] == region[2]){flightname[i] = airlinename[2]; ficon[i] = flighticon[2];}

if (arrival[i] == region[3]){flightname[i] = airlinename[3]; ficon[i] = flighticon[3];}

if (arrival[i] == region[4]){flightname[i] = airlinename[4]; ficon[i] = flighticon[4];}

if (arrival[i] == region[5]){flightname[i] = airlinename[5]; ficon[i] = flighticon[5];}

if (arrival[i] == region[6]){flightname[i] = airlinename[6]; ficon[i] = flighticon[6];}

if (arrival[i] == region[7]){flightname[i] = airlinename[7]; ficon[i] = flighticon[7];}

if (arrival[i] == region[8]){flightname[i] = airlinename[8]; ficon[i] = flighticon[8];}

if (arrival[i] == region[9]){flightname[i] = airlinename[9]; ficon[i] = flighticon[9];}

value = i;

}

m.dbclosed();

}

mainmenu::~***mainmenu***()

{

delete ui;

}

void mainmenu::**on\_buttonlogout\_clicked**()

{

QMessageBox::StandardButton selection = QMessageBox::question(this,"Logout Confirmation","Are you sure you want to logout?", QMessageBox::Yes | QMessageBox::No);

if (selection == QMessageBox::Yes){

hide();

MainWindow \*m;

m = new MainWindow(this);

m->show();}

else{}

}

void mainmenu::**on\_buttonreturn\_clicked**()

{

ui->frame1->hide();

ui->frame0->show();

}

void mainmenu::**on\_btn\_newbook\_clicked**()

{

hide();

Map \*m;

m = new Map(this);

m->show();

}

void mainmenu::**on\_btn\_viewbook\_clicked**()

{

ui->frame0->hide();

ui->frame1->show();

MainWindow m;

m.dbopened();

QSqlQueryModel \*modal = new QSqlQueryModel;

QSqlQuery \*qry = new QSqlQuery(m.db);

qry->prepare("select flightnum,seat,date,time,ticketstatus,price from bookingdata where acc\_id = '"+accid+"'");

qry->exec();

modal->setQuery(\*qry);

ui->tableView->*setModel*(modal);

m.dbclosed();

}

/\*

if (value == 0){

ui->groupBox\_2->hide();

ui->groupBox\_3->hide();

ui->groupBox\_4->hide();

ui->groupBox\_5->hide();

ui->label->setText(flightnum[value]);

ui->timelbl->setText(time[value]);

ui->departlbl->setText(departure[value]);

ui->arrivelbl->setText(arrival[value]);

ui->gatenum->setText(gatenum[value]);

ui->datelbl->setText(date[value]);

ui->seat->setText(seatselected[value]);

ui->flighticon->setPixmap(ficon[value]);

ui->airlinelbl->setText(flightname[value]);}

if (value == 1){

ui->groupBox\_3->hide();

ui->groupBox\_4->hide();

ui->groupBox\_5->hide();

ui->label->setText(flightnum[value-1]);

ui->timelbl->setText(time[value-1]);

ui->departlbl->setText(departure[value-1]);

ui->arrivelbl->setText(arrival[value-1]);

ui->gatenum->setText(gatenum[value-1]);

ui->datelbl->setText(date[value-1]);

ui->seat->setText(seatselected[value-1]);

ui->flighticon->setPixmap(ficon[value-1]);

ui->airlinelbl->setText(flightname[value-1]);

ui->label\_2->setText(flightnum[value]);

ui->timelbl\_2->setText(time[value]);

ui->departlbl\_2->setText(departure[value]);

ui->arrivelbl\_2->setText(arrival[value]);

ui->gatenum\_2->setText(gatenum[value]);

ui->datelbl\_2->setText(date[value]);

ui->seat\_2->setText(seatselected[value]);

ui->flighticon\_2->setPixmap(ficon[value]);

ui->airlinelbl\_2->setText(flightname[value]);}

if (value == 2){

ui->groupBox\_4->hide();

ui->groupBox\_5->hide();

ui->label->setText(flightnum[value-2]);

ui->timelbl->setText(time[value-2]);

ui->departlbl->setText(departure[value-2]);

ui->arrivelbl->setText(arrival[value-2]);

ui->gatenum->setText(gatenum[value-2]);

ui->datelbl->setText(date[value-2]);

ui->seat->setText(seatselected[value-2]);

ui->flighticon->setPixmap(ficon[value-2]);

ui->airlinelbl->setText(flightname[value-2]);

ui->label\_2->setText(flightnum[value-1]);

ui->timelbl\_2->setText(time[value-1]);

ui->departlbl\_2->setText(departure[value-1]);

ui->arrivelbl\_2->setText(arrival[value-1]);

ui->gatenum\_2->setText(gatenum[value-1]);

ui->datelbl\_2->setText(date[value-1]);

ui->seat\_2->setText(seatselected[value-1]);

ui->flighticon\_2->setPixmap(ficon[value-1]);

ui->airlinelbl\_2->setText(flightname[value-1]);

ui->label\_3->setText(flightnum[value]);

ui->timelbl\_3->setText(time[value]);

ui->departlbl\_3->setText(departure[value]);

ui->arrivelbl\_3->setText(arrival[value]);

ui->gatenum\_3->setText(gatenum[value]);

ui->datelbl\_3->setText(date[value]);

ui->seat\_3->setText(seatselected[value]);

ui->flighticon\_3->setPixmap(ficon[value]);

ui->airlinelbl\_3->setText(flightname[value]);

}\*/

void mainmenu::**on\_btn\_info\_clicked**()

{

ui->frame0->hide();

ui->frame3->show();

QString Fname,Lname,title,phone,password,mileage;

MainWindow m;

m.dbopened();

QSqlQueryModel qry;

qry.setQuery("select \* from passengerdata where acc\_id = '"+accid+"'");

for (int i = 0; i < qry.*rowCount*();i++){

Fname = qry.record(i).value("firstname").toString();

Lname = qry.record(i).value("lastname").toString();

title = qry.record(i).value("title").toString();

phone = qry.record(i).value("phonenum").toString();

password = qry.record(i).value("password").toString();

mileage = qry.record(i).value("mileage").toString();

}

int mileageval, newmileageval = 0;

QSqlQueryModel totalmileage;

totalmileage.setQuery("select \* from bookingdata where acc\_id = '"+accid+"' AND ticketstatus = 'CHECKED IN'");

for (int i = 0; i < totalmileage.*rowCount*();i++){

mileage = totalmileage.record(i).value("distance").toString();

mileageval = mileage.split(" ")[0].toInt();

newmileageval = newmileageval + mileageval;}

QString newmileage = QString::number(newmileageval);

QSqlQuery updatemileage;

updatemileage.exec("update passengerdata set mileage = '"+newmileage+"' where acc\_id = '"+accid+"'");

ui->distitle->setText(title);

ui->disFname->setText(Fname);

ui->disLname->setText(Lname);

ui->disphone->setText("(+60)" + phone);

ui->dispass->setText(password);

ui->disusername->setText(username);

ui->disdeal->setNum(totalaccid);

ui->dismileage->setText(newmileage + " km");

}

void mainmenu::**on\_buttonmainmenu\_2\_clicked**()

{

ui->frame3->hide();

ui->frame0->show();

}

void mainmenu::**on\_buttonmainmenu\_clicked**()

{

ui->frame1->hide();

ui->frame0->show();

}

void mainmenu::**on\_btn\_cancelbook\_clicked**()

{

ui->frame0->hide();

ui->frame4->show();

MainWindow m;

m.dbopened();

QSqlQueryModel \*modal1 = new QSqlQueryModel;

QSqlQuery \*qry1 = new QSqlQuery(m.db);

qry1->prepare("select booking\_id,flightnum,seat,date,ticketstatus from bookingdata where acc\_id = '"+accid+"'");

qry1->exec();

modal1->setQuery(\*qry1);

ui->tablecancel->*setModel*(modal1);

QSqlQueryModel \*modal2 = new QSqlQueryModel();

QSqlQuery \*qry2 = new QSqlQuery(m.db);

qry2->exec("Select booking\_id from bookingdata where acc\_id = '"+accid+"' AND ticketstatus = 'PENDING'");

modal2->setQuery(\*qry2);

ui->listView->*setModel*(modal2);

m.dbclosed();

}

void mainmenu::**on\_buttonmainmenu\_3\_clicked**()

{

ui->frame4->hide();

ui->frame0->show();

}

void mainmenu::**on\_listView\_clicked**(const QModelIndex &index)

{

selectedbookid = ui->listView->model()->*data*(index).toString();

ui->labelselectedstatus->setText(selectedbookid);

}

void mainmenu::**on\_btn\_cancel\_clicked**()

{

QMessageBox::StandardButton selection = QMessageBox::question(this,"Confirmation", "Are you sure you want to cancel the current selected booking?", QMessageBox::Yes | QMessageBox::No);

if (selection == QMessageBox::Yes){

MainWindow m;

m.dbopened();

QSqlQuery updateticket;

updateticket.exec("update bookingdata set ticketstatus = 'CANCELLED' where booking\_id = '"+selectedbookid+"'");

m.dbclosed();

}

else{}

}

void mainmenu::**on\_btn\_checkin\_clicked**()

{

ui->frame5->show();

ui->frame0->hide();

MainWindow m;

m.dbopened();

QSqlQueryModel \*modal3 = new QSqlQueryModel;

QSqlQuery \*qry3 = new QSqlQuery(m.db);

qry3->prepare("select booking\_id,flightnum,seat,date,time,ticketstatus from bookingdata where acc\_id = '"+accid+"' AND date = '"+datetdylbl+"' AND time > '"+time4digit+"' AND ticketstatus = 'PENDING'");

qry3->exec();

modal3->setQuery(\*qry3);

ui->tablecheckin->*setModel*(modal3);

QSqlQueryModel loadstatus;

QSqlQuery update;

loadstatus.setQuery("select \* from bookingdata where acc\_id = '"+accid+"'");

for (int i = 0; i <loadstatus.*rowCount*(); i++){

bookingid = loadstatus.record(i).value("booking\_id").toString();

timeofbooked = loadstatus.record(i).value("time").toString();

dateofbooked = loadstatus.record(i).value("date").toString();

gatecheckin = loadstatus.record(i).value("gate").toString();

if (dateofbooked == datetdylbl){

if(timeofbooked > time4digit){

int timeofbookedval = timeofbooked.split(" ")[0].toInt();

int timecountdownval = timeLabel.split(" ")[0].toInt();

int timeb4checkinval = timeofbookedval - 30;

int timecdinterval = timeofbookedval - timecountdownval;

timeb4checkin = QString::number(timeb4checkinval);

timecountdownlbl = QString::number(timecdinterval);

ui->bookingidlbl->setText(bookingid);

ui->timelbl->setText(timeb4checkin);

QTimer \*timer = new QTimer(this);

connect(timer, SIGNAL(timeout()), this, SLOT(timecountdown()));

timer->start();

}

else{

update.exec("update bookingdata set ticketstatus = 'MISSED FLIGHT' where booking\_id = '"+bookingid+"'");

}

}

else{}

}

m.dbclosed();

}

void mainmenu::**on\_buttonmainmenu\_4\_clicked**()

{

ui->frame5->hide();

ui->frame0->show();

}

void mainmenu::**timecountdown**(){

QTime time = QTime::fromString(timecountdownlbl,"hm");

time = time.addSecs(-1);

QString timeLabel = time.toString("hh : mm : ss");

ui->timerlbl->setText(timeLabel);

}

void mainmenu::**on\_btn\_checkedin\_clicked**()

{

MainWindow m;

m.dbopened();

QSqlQuery checkin;

checkin.exec("update bookingdata set ticketstatus = 'CHECKED IN' where booking\_id = '"+bookingid+"'");

m.dbclosed();

QString infocheckin = "Checked in successfully! Please head on to gate " + gatecheckin;

QMessageBox::information(this,"Information", infocheckin);

ui->frame5->hide();

ui->frame0->show();

}

MAIN MENU (HTML file)

<?xml version="1.0" encoding="UTF-8"?>

<ui version="4.0">

<class>mainmenu</class>

<widget class="QMainWindow" name="mainmenu">

<property name="geometry">

<rect>

<x>0</x>

<y>0</y>

<width>800</width>

<height>600</height>

</rect>

</property>

<property name="windowTitle">

<string>MainWindow</string>

</property>

<widget class="QWidget" name="centralwidget">

<widget class="QLabel" name="currentuser\_lbl">

<property name="geometry">

<rect>

<x>102</x>

<y>14</y>

<width>81</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>USERNAME</string>

</property>

</widget>

<widget class="Line" name="oframe2">

<property name="geometry">

<rect>

<x>10</x>

<y>580</y>

<width>781</width>

<height>20</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Horizontal</enum>

</property>

</widget>

<widget class="QLabel" name="userLabel">

<property name="geometry">

<rect>

<x>20</x>

<y>14</y>

<width>81</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>Current Session:</string>

</property>

</widget>

<widget class="Line" name="oframe3">

<property name="geometry">

<rect>

<x>780</x>

<y>10</y>

<width>20</width>

<height>581</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Vertical</enum>

</property>

</widget>

<widget class="Line" name="oframe4">

<property name="geometry">

<rect>

<x>10</x>

<y>0</y>

<width>781</width>

<height>20</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Horizontal</enum>

</property>

</widget>

<widget class="Line" name="oframe1">

<property name="geometry">

<rect>

<x>0</x>

<y>10</y>

<width>20</width>

<height>581</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Vertical</enum>

</property>

</widget>

<widget class="QFrame" name="frame0">

<property name="geometry">

<rect>

<x>9</x>

<y>9</y>

<width>781</width>

<height>581</height>

</rect>

</property>

<property name="frameShape">

<enum>QFrame::StyledPanel</enum>

</property>

<property name="frameShadow">

<enum>QFrame::Raised</enum>

</property>

<widget class="QPushButton" name="buttonlogout">

<property name="geometry">

<rect>

<x>700</x>

<y>5</y>

<width>75</width>

<height>23</height>

</rect>

</property>

<property name="text">

<string>LOGOUT</string>

</property>

<property name="autoDefault">

<bool>false</bool>

</property>

<property name="default">

<bool>false</bool>

</property>

<property name="flat">

<bool>false</bool>

</property>

</widget>

<widget class="QPushButton" name="btn\_viewbook">

<property name="geometry">

<rect>

<x>240</x>

<y>350</y>

<width>291</width>

<height>81</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>17</pointsize>

</font>

</property>

<property name="text">

<string>VIEW BOOKING(S)</string>

</property>

</widget>

<widget class="QPushButton" name="btn\_newbook">

<property name="geometry">

<rect>

<x>240</x>

<y>130</y>

<width>291</width>

<height>81</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>17</pointsize>

</font>

</property>

<property name="text">

<string>MAKE A NEW BOOKING</string>

</property>

</widget>

<widget class="QPushButton" name="btn\_info">

<property name="geometry">

<rect>

<x>10</x>

<y>20</y>

<width>141</width>

<height>31</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>8</pointsize>

</font>

</property>

<property name="text">

<string>PERSONAL INFORMATION</string>

</property>

</widget>

<widget class="QLabel" name="standbymodelbl">

<property name="geometry">

<rect>

<x>230</x>

<y>210</y>

<width>311</width>

<height>16</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>7</pointsize>

</font>

</property>

<property name="styleSheet">

<string notr="true">color: rgb(255, 0, 0);</string>

</property>

<property name="text">

<string>SYSTEM IS NOW IN STANDBY MODE. BOOKING IN UNAVAILABLE.</string>

</property>

</widget>

<widget class="QPushButton" name="btn\_cancelbook">

<property name="geometry">

<rect>

<x>240</x>

<y>460</y>

<width>291</width>

<height>81</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>17</pointsize>

</font>

</property>

<property name="text">

<string>CANCEL BOOKING(S)</string>

</property>

</widget>

<widget class="QPushButton" name="btn\_checkin">

<property name="geometry">

<rect>

<x>240</x>

<y>240</y>

<width>291</width>

<height>81</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>17</pointsize>

</font>

</property>

<property name="text">

<string>CHECK IN</string>

</property>

</widget>

</widget>

<widget class="QFrame" name="frame1">

<property name="geometry">

<rect>

<x>9</x>

<y>9</y>

<width>781</width>

<height>581</height>

</rect>

</property>

<property name="frameShape">

<enum>QFrame::StyledPanel</enum>

</property>

<property name="frameShadow">

<enum>QFrame::Raised</enum>

</property>

<widget class="QLabel" name="bookinglbl">

<property name="geometry">

<rect>

<x>10</x>

<y>40</y>

<width>161</width>

<height>31</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>20</pointsize>

</font>

</property>

<property name="text">

<string>BOOKING(S)</string>

</property>

</widget>

<widget class="QPushButton" name="buttonmainmenu">

<property name="geometry">

<rect>

<x>700</x>

<y>5</y>

<width>75</width>

<height>23</height>

</rect>

</property>

<property name="text">

<string>MAIN MENU</string>

</property>

<property name="autoDefault">

<bool>false</bool>

</property>

<property name="default">

<bool>false</bool>

</property>

<property name="flat">

<bool>false</bool>

</property>

</widget>

<widget class="QTableView" name="tableView">

<property name="geometry">

<rect>

<x>10</x>

<y>70</y>

<width>761</width>

<height>501</height>

</rect>

</property>

<property name="frameShape">

<enum>QFrame::NoFrame</enum>

</property>

<property name="frameShadow">

<enum>QFrame::Plain</enum>

</property>

<property name="alternatingRowColors">

<bool>true</bool>

</property>

<attribute name="horizontalHeaderVisible">

<bool>false</bool>

</attribute>

<attribute name="horizontalHeaderMinimumSectionSize">

<number>120</number>

</attribute>

<attribute name="horizontalHeaderDefaultSectionSize">

<number>120</number>

</attribute>

<attribute name="horizontalHeaderStretchLastSection">

<bool>true</bool>

</attribute>

</widget>

</widget>

<widget class="QFrame" name="frame3">

<property name="geometry">

<rect>

<x>9</x>

<y>9</y>

<width>781</width>

<height>581</height>

</rect>

</property>

<property name="frameShape">

<enum>QFrame::StyledPanel</enum>

</property>

<property name="frameShadow">

<enum>QFrame::Raised</enum>

</property>

<widget class="QLabel" name="infolbl">

<property name="geometry">

<rect>

<x>10</x>

<y>40</y>

<width>321</width>

<height>31</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>20</pointsize>

</font>

</property>

<property name="text">

<string>PERSONAL INFORMATION</string>

</property>

</widget>

<widget class="QPushButton" name="buttonmainmenu\_2">

<property name="geometry">

<rect>

<x>700</x>

<y>5</y>

<width>75</width>

<height>23</height>

</rect>

</property>

<property name="text">

<string>MAIN MENU</string>

</property>

<property name="autoDefault">

<bool>false</bool>

</property>

<property name="default">

<bool>false</bool>

</property>

<property name="flat">

<bool>false</bool>

</property>

</widget>

<widget class="QLabel" name="lblphone">

<property name="geometry">

<rect>

<x>13</x>

<y>210</y>

<width>201</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string>Contact Number :</string>

</property>

</widget>

<widget class="QLabel" name="lblpassword">

<property name="geometry">

<rect>

<x>13</x>

<y>290</y>

<width>211</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string>Password :</string>

</property>

</widget>

<widget class="QLabel" name="lblfirstname">

<property name="geometry">

<rect>

<x>13</x>

<y>130</y>

<width>201</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string>First Name :</string>

</property>

</widget>

<widget class="QLabel" name="lbltitle">

<property name="geometry">

<rect>

<x>13</x>

<y>90</y>

<width>201</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string>Title :</string>

</property>

</widget>

<widget class="QLabel" name="lblusername">

<property name="geometry">

<rect>

<x>13</x>

<y>250</y>

<width>211</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string>Username :</string>

</property>

</widget>

<widget class="QLabel" name="lbllastname">

<property name="geometry">

<rect>

<x>13</x>

<y>170</y>

<width>201</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string>Last Name :</string>

</property>

</widget>

<widget class="QLabel" name="lblmileage">

<property name="geometry">

<rect>

<x>13</x>

<y>330</y>

<width>201</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string>Total Mileage(s) :</string>

</property>

</widget>

<widget class="QLabel" name="lblttldeal">

<property name="geometry">

<rect>

<x>13</x>

<y>370</y>

<width>201</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string>Total Transaction(s) Done:</string>

</property>

</widget>

<widget class="QLabel" name="distitle">

<property name="geometry">

<rect>

<x>220</x>

<y>91</y>

<width>201</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string/>

</property>

</widget>

<widget class="QLabel" name="disFname">

<property name="geometry">

<rect>

<x>220</x>

<y>131</y>

<width>201</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

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</property>

</widget>

<widget class="QLabel" name="disLname">

<property name="geometry">

<rect>

<x>220</x>

<y>171</y>

<width>201</width>

<height>21</height>

</rect>

</property>

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<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string/>

</property>

</widget>

<widget class="QLabel" name="disphone">

<property name="geometry">

<rect>

<x>220</x>

<y>211</y>

<width>201</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string/>

</property>

</widget>

<widget class="QLabel" name="disusername">

<property name="geometry">

<rect>

<x>220</x>

<y>251</y>

<width>201</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string/>

</property>

</widget>

<widget class="QLabel" name="dispass">

<property name="geometry">

<rect>

<x>220</x>

<y>291</y>

<width>201</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string/>

</property>

</widget>

<widget class="QLabel" name="dismileage">

<property name="geometry">

<rect>

<x>220</x>

<y>331</y>

<width>201</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string/>

</property>

</widget>

<widget class="QLabel" name="disdeal">

<property name="geometry">

<rect>

<x>220</x>

<y>371</y>

<width>201</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="text">

<string/>

</property>

</widget>

</widget>

<widget class="QFrame" name="frame4">

<property name="geometry">

<rect>

<x>9</x>

<y>9</y>

<width>781</width>

<height>581</height>

</rect>

</property>

<property name="frameShape">

<enum>QFrame::StyledPanel</enum>

</property>

<property name="frameShadow">

<enum>QFrame::Raised</enum>

</property>

<widget class="QLabel" name="bookinglbl\_2">

<property name="geometry">

<rect>

<x>10</x>

<y>40</y>

<width>161</width>

<height>31</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>20</pointsize>

</font>

</property>

<property name="text">

<string>BOOKING(S)</string>

</property>

</widget>

<widget class="QPushButton" name="buttonmainmenu\_3">

<property name="geometry">

<rect>

<x>700</x>

<y>5</y>

<width>75</width>

<height>23</height>

</rect>

</property>

<property name="text">

<string>MAIN MENU</string>

</property>

<property name="autoDefault">

<bool>false</bool>

</property>

<property name="default">

<bool>false</bool>

</property>

<property name="flat">

<bool>false</bool>

</property>

</widget>

<widget class="QListView" name="listView">

<property name="geometry">

<rect>

<x>10</x>

<y>350</y>

<width>521</width>

<height>221</height>

</rect>

</property>

</widget>

<widget class="QTableView" name="tablecancel">

<property name="geometry">

<rect>

<x>10</x>

<y>70</y>

<width>761</width>

<height>271</height>

</rect>

</property>

<property name="frameShape">

<enum>QFrame::NoFrame</enum>

</property>

<property name="frameShadow">

<enum>QFrame::Plain</enum>

</property>

<property name="alternatingRowColors">

<bool>true</bool>

</property>

<attribute name="horizontalHeaderMinimumSectionSize">

<number>148</number>

</attribute>

<attribute name="horizontalHeaderDefaultSectionSize">

<number>148</number>

</attribute>

<attribute name="horizontalHeaderStretchLastSection">

<bool>true</bool>

</attribute>

</widget>

<widget class="QLabel" name="label">

<property name="geometry">

<rect>

<x>550</x>

<y>360</y>

<width>211</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>Cancel a booking by clicking on the left box.</string>

</property>

</widget>

<widget class="QLabel" name="label\_2">

<property name="geometry">

<rect>

<x>550</x>

<y>380</y>

<width>51</width>

<height>20</height>

</rect>

</property>

<property name="text">

<string>Selection:</string>

</property>

</widget>

<widget class="QLabel" name="labelselectedstatus">

<property name="geometry">

<rect>

<x>600</x>

<y>380</y>

<width>151</width>

<height>20</height>

</rect>

</property>

<property name="text">

<string/>

</property>

</widget>

<widget class="QPushButton" name="btn\_cancel">

<property name="geometry">

<rect>

<x>590</x>

<y>440</y>

<width>131</width>

<height>51</height>

</rect>

</property>

<property name="text">

<string>CONFIRM

CANCELLATION</string>

</property>

</widget>

</widget>

<widget class="QFrame" name="frame5">

<property name="geometry">

<rect>

<x>9</x>

<y>9</y>

<width>781</width>

<height>581</height>

</rect>

</property>

<property name="frameShape">

<enum>QFrame::StyledPanel</enum>

</property>

<property name="frameShadow">

<enum>QFrame::Raised</enum>

</property>

<widget class="QLabel" name="bookinglbl\_4">

<property name="geometry">

<rect>

<x>10</x>

<y>40</y>

<width>161</width>

<height>31</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>20</pointsize>

</font>

</property>

<property name="text">

<string>CHECK IN</string>

</property>

</widget>

<widget class="QPushButton" name="buttonmainmenu\_4">

<property name="geometry">

<rect>

<x>700</x>

<y>5</y>

<width>75</width>

<height>23</height>

</rect>

</property>

<property name="text">

<string>MAIN MENU</string>

</property>

<property name="autoDefault">

<bool>false</bool>

</property>

<property name="default">

<bool>false</bool>

</property>

<property name="flat">

<bool>false</bool>

</property>

</widget>

<widget class="QTableView" name="tablecheckin">

<property name="geometry">

<rect>

<x>10</x>

<y>70</y>

<width>761</width>

<height>441</height>

</rect>

</property>

<property name="frameShape">

<enum>QFrame::NoFrame</enum>

</property>

<property name="frameShadow">

<enum>QFrame::Plain</enum>

</property>

<property name="alternatingRowColors">

<bool>true</bool>

</property>

<attribute name="horizontalHeaderVisible">

<bool>false</bool>

</attribute>

<attribute name="horizontalHeaderMinimumSectionSize">

<number>120</number>

</attribute>

<attribute name="horizontalHeaderDefaultSectionSize">

<number>120</number>

</attribute>

<attribute name="horizontalHeaderStretchLastSection">

<bool>true</bool>

</attribute>

</widget>

<widget class="QLabel" name="timelbl">

<property name="geometry">

<rect>

<x>220</x>

<y>530</y>

<width>51</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<weight>75</weight>

<bold>true</bold>

</font>

</property>

<property name="text">

<string/>

</property>

</widget>

<widget class="QLabel" name="label\_3">

<property name="geometry">

<rect>

<x>10</x>

<y>510</y>

<width>61</width>

<height>21</height>

</rect>

</property>

<property name="text">

<string>Booking ID:</string>

</property>

</widget>

<widget class="QLabel" name="bookingidlbl">

<property name="geometry">

<rect>

<x>70</x>

<y>510</y>

<width>61</width>

<height>21</height>

</rect>

</property>

<property name="font">

<font>

<weight>75</weight>

<bold>true</bold>

</font>

</property>

<property name="text">

<string/>

</property>

</widget>

<widget class="QLabel" name="label\_4">

<property name="geometry">

<rect>

<x>10</x>

<y>530</y>

<width>211</width>

<height>21</height>

</rect>

</property>

<property name="text">

<string>Please kindly check in at the following time:</string>

</property>

</widget>

<widget class="QLabel" name="label\_5">

<property name="geometry">

<rect>

<x>10</x>

<y>550</y>

<width>81</width>

<height>21</height>

</rect>

</property>

<property name="text">

<string>Time remaining:</string>

</property>

</widget>

<widget class="QLabel" name="timerlbl">

<property name="geometry">

<rect>

<x>90</x>

<y>550</y>

<width>121</width>

<height>21</height>

</rect>

</property>

<property name="text">

<string/>

</property>

</widget>

<widget class="QPushButton" name="btn\_checkedin">

<property name="geometry">

<rect>

<x>634</x>

<y>512</y>

<width>131</width>

<height>51</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>13</pointsize>

</font>

</property>

<property name="cursor">

<cursorShape>PointingHandCursor</cursorShape>

</property>

<property name="text">

<string>CHECK IN</string>

</property>

</widget>

</widget>

<zorder>currentuser\_lbl</zorder>

<zorder>oframe2</zorder>

<zorder>userLabel</zorder>

<zorder>oframe3</zorder>

<zorder>oframe4</zorder>

<zorder>oframe1</zorder>

<zorder>frame3</zorder>

<zorder>frame4</zorder>

<zorder>frame0</zorder>

<zorder>frame1</zorder>

<zorder>frame5</zorder>

</widget>

</widget>

<resources/>

<connections/>

</ui>

MAP (Header file)

#ifndef MAP\_H

#define MAP\_H

#include <QMainWindow>

#include "calendar.h"

#include "ui\_calendar.h"

#include "mainwindow.h"

#include "ui\_mainwindow.h"

namespace Ui {

class Map;

}

class Map : public QMainWindow

{

Q\_OBJECT

public:

Ui::Map \*ui;

explicit Map(QWidget \*parent = nullptr);

int datecheckint;

QString username,departure,arrival;

QString departloc\_lbl, arrivalloc\_lbl, estimatedis\_lbl, estimatedprice;

bool getdepartselected(){return departselected;}

~Map();

private slots:

void on\_jp\_btn\_clicked();

void on\_us\_btn\_clicked();

void on\_me\_btn\_clicked();

void on\_ru\_btn\_clicked();

void on\_uk\_btn\_clicked();

void on\_sg\_btn\_clicked();

void on\_in\_btn\_clicked();

void on\_hk\_btn\_clicked();

void on\_my\_btn\_clicked();

void on\_kr\_btn\_clicked();

void on\_reset\_btn\_clicked();

void on\_confirm\_btn\_clicked();

void displayestimateddistance();

void currentsession();

void on\_buttonmainmenu\_clicked();

private:

bool departselected = false;

};

#endif // MAP\_H

MAP (CPP file)

#include "map.h"

#include "ui\_map.h"

#include "mainwindow.h"

#include "ui\_mainwindow.h"

#include "calendar.h"

#include "ui\_calendar.h"

#include "mainmenu.h"

#include "ui\_mainmenu.h"

#include <QLabel>

#include <QDebug>

#include <QMessageBox>

#include <QFile>

#include <QTextStream>

#include <QMovie>

#include <QtSql>

#include <QTime>

#include <QTimer>

#include <QDateTime>

Map::Map(QWidget \*parent) :QMainWindow(parent), ui(new Ui::Map)

{

ui->setupUi(this);

QPixmap pic;

pic.load(":/images/MAP.png");

QIcon locicon;

locicon.addPixmap(QPixmap(":/images/iconr.png"));

QMovie \*weather0 = new QMovie(":/images/raining.gif");

QMovie \*weather1 = new QMovie(":/images/lightning.gif");

QDateTime datetdy = QDateTime::currentDateTime();

QString datecheck = datetdy.toString("dd");

datecheckint = datecheck.split(" ")[0].toInt();

if (datecheckint % 2 == 0){

MainWindow m;

m.dbopened();

QSqlQueryModel readstatus;

QSqlQuery delayedstatus, ontimestatus;

readstatus.setQuery("select \* from flight");

for (int i = 0; i < readstatus.rowCount();i++){

QString arrival = readstatus.record(i).value("arrival").toString();

delayedstatus.exec("update flight set status = 'DELAYED' where arrival = 'US' OR arrival = 'MY' OR arrival = 'RU' OR arrival = 'HK' OR arrival = 'JP'");

ontimestatus.exec("update flight set status = 'ON TIME' where arrival = 'KR' OR arrival = 'ME' OR arrival = 'IN' OR arrival = 'SG' OR arrival = 'UK'");

}

m.dbclosed();

ui->weather\_us->setMovie(weather0);

ui->weather\_my->setMovie(weather1);

ui->weather\_ru->setMovie(weather0);

ui->weather\_hk->setMovie(weather1);

ui->weather\_jp->setMovie(weather0);

}

if (datecheckint % 2 == 1){

MainWindow m;

m.dbopened();

QSqlQueryModel readstatus1;

QSqlQuery delayedstatus1, ontimestatus1;

readstatus1.setQuery("select \* from flight");

for (int i = 0; i<readstatus1.rowCount();i++){

QString arrival = readstatus1.record(i).value("arrival").toString();

qDebug()<<arrival;

delayedstatus1.exec("update flight set status = 'DELAYED' where arrival = 'KR' OR arrival = 'ME' OR arrival = 'IN' OR arrival = 'SG' OR arrival = 'UK'");

ontimestatus1.exec("update flight set status = 'ON TIME' where arrival = 'US' OR arrival = 'MY' OR arrival = 'RU' OR arrival = 'HK' OR arrival = 'JP'");

}

m.dbclosed();

ui->weather\_kr->setMovie(weather0);

ui->weather\_me->setMovie(weather1);

ui->weather\_sg->setMovie(weather0);

ui->weather\_in->setMovie(weather1);

ui->weather\_uk->setMovie(weather0);

}

weather0->start(); weather1->start();

ui->my\_btn->setIcon(locicon);

ui->sg\_btn->setIcon(locicon);

ui->hk\_btn->setIcon(locicon);

ui->jp\_btn->setIcon(locicon);

ui->in\_btn->setIcon(locicon);

ui->kr\_btn->setIcon(locicon);

ui->us\_btn->setIcon(locicon);

ui->me\_btn->setIcon(locicon);

ui->uk\_btn->setIcon(locicon);

ui->ru\_btn->setIcon(locicon);

ui->worldmap\_lbl->setPixmap(pic);

QTimer \*timer = new QTimer(this);

connect(timer, SIGNAL(timeout()), this, SLOT(currentsession()));

timer->start();

}

Map::~Map()

{

delete ui;

}

void Map::currentsession(){

QFile currentuser("G:/Degree/Sem3(1910)/TCP1201 - OOPDS/Assignment/FlightBookingSystem/currentuser.txt");

currentuser.open(QFile::ReadOnly | QFile::Text);

QTextStream in(&currentuser);

in>>username;

ui->currentuser\_lbl->setText(username);

currentuser.flush();

currentuser.close();

}

void Map::on\_jp\_btn\_clicked()

{

QString jploc = "Kansai International Airport, Osaka, Japan";

if (ui->departloc\_lbl->text() != "" && departselected == true){arrivalloc\_lbl = jploc; arrival = "JP"; ui->arrivalloc\_lbl->setText(arrivalloc\_lbl); displayestimateddistance();}

if (ui->departloc\_lbl->text() == ""){departloc\_lbl = jploc; departure = "JP"; ui->departloc\_lbl->setText(departloc\_lbl); departselected = true; ui->jp\_btn->setEnabled(false);}

}

void Map::on\_us\_btn\_clicked()

{

QString usloc = "San Francisco International Airport, San Francisco, U.S.A.";

if (ui->departloc\_lbl->text() != "" && departselected == true){arrivalloc\_lbl = usloc; arrival = "US"; ui->arrivalloc\_lbl->setText(arrivalloc\_lbl); displayestimateddistance();}

if (ui->departloc\_lbl->text() == ""){departloc\_lbl = usloc; departure = "US"; ui->departloc\_lbl->setText(departloc\_lbl); departselected = true; ui->us\_btn->setEnabled(false);}

}

void Map::on\_me\_btn\_clicked()

{

QString meloc = "Mexico City International Airport, Mexico";

if (ui->departloc\_lbl->text() != "" && departselected == true){arrivalloc\_lbl = meloc; arrival = "ME"; ui->arrivalloc\_lbl->setText(arrivalloc\_lbl); displayestimateddistance();}

if (ui->departloc\_lbl->text() == ""){departloc\_lbl = meloc; departure = "ME"; ui->departloc\_lbl->setText(departloc\_lbl); departselected = true; ui->me\_btn->setEnabled(false);}

}

void Map::on\_ru\_btn\_clicked()

{

QString ruloc = "Moscow Domodedovo Airport, Moscow, Russia";

if (ui->departloc\_lbl->text() != "" && departselected == true){arrivalloc\_lbl = ruloc; arrival = "RU"; ui->arrivalloc\_lbl->setText(arrivalloc\_lbl); displayestimateddistance();}

if (ui->departloc\_lbl->text() == ""){departloc\_lbl = ruloc; departure = "RU"; ui->departloc\_lbl->setText(departloc\_lbl); departselected = true; ui->ru\_btn->setEnabled(false);}

}

void Map::on\_uk\_btn\_clicked()

{

QString ukloc = "London City Airport, London, United Kingdom";

if (ui->departloc\_lbl->text() != "" && departselected == true){arrivalloc\_lbl = ukloc; arrival = "UK"; ui->arrivalloc\_lbl->setText(arrivalloc\_lbl); displayestimateddistance();}

if (ui->departloc\_lbl->text() == ""){departloc\_lbl = ukloc; departure = "UK"; ui->departloc\_lbl->setText(departloc\_lbl); departselected = true; ui->uk\_btn->setEnabled(false);}

}

void Map::on\_sg\_btn\_clicked()

{

QString sgloc = "Singapore Changi Airport, Singapore";

if (ui->departloc\_lbl->text() != "" && departselected == true){arrivalloc\_lbl = sgloc; arrival = "SG"; ui->arrivalloc\_lbl->setText(arrivalloc\_lbl); displayestimateddistance();}

if (ui->departloc\_lbl->text() == ""){departloc\_lbl = sgloc; departure = "SG"; ui->departloc\_lbl->setText(departloc\_lbl); departselected = true; ui->sg\_btn->setEnabled(false);}

}

void Map::on\_in\_btn\_clicked()

{

QString inloc = "Indira Gandhi International Airport, New Delhi, India";

if (ui->departloc\_lbl->text() != "" && departselected == true){arrivalloc\_lbl = inloc; arrival = "IN"; ui->arrivalloc\_lbl->setText(arrivalloc\_lbl); displayestimateddistance();}

if (ui->departloc\_lbl->text() == ""){departloc\_lbl = inloc; departure = "IN"; ui->departloc\_lbl->setText(departloc\_lbl); departselected = true; ui->in\_btn->setEnabled(false);}

}

void Map::on\_hk\_btn\_clicked()

{

QString hkloc = "Hong Kong International Airport, Hong Kong";

if (ui->departloc\_lbl->text() != "" && departselected == true){arrivalloc\_lbl = hkloc; arrival = "HK";ui->arrivalloc\_lbl->setText(arrivalloc\_lbl); displayestimateddistance();}

if (ui->departloc\_lbl->text() == ""){departloc\_lbl = hkloc; departure = "HK"; ui->departloc\_lbl->setText(departloc\_lbl); departselected = true; ui->hk\_btn->setEnabled(false);}

}

void Map::on\_my\_btn\_clicked()

{

QString myloc = "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia";

if (ui->departloc\_lbl->text() != "" && departselected == true){arrivalloc\_lbl = myloc; arrival = "MY"; ui->arrivalloc\_lbl->setText(arrivalloc\_lbl); displayestimateddistance();}

if (ui->departloc\_lbl->text() == ""){departloc\_lbl = myloc; departure = "MY"; ui->departloc\_lbl->setText(departloc\_lbl); departselected = true; ui->my\_btn->setEnabled(false);}

}

void Map::on\_kr\_btn\_clicked()

{

QString krloc = "Incheon International Airport(IIA), Incheon, South Korea";

if (ui->departloc\_lbl->text() != "" && departselected == true){arrivalloc\_lbl = krloc; arrival = "KR"; ui->arrivalloc\_lbl->setText(arrivalloc\_lbl); displayestimateddistance();}

if (ui->departloc\_lbl->text() == ""){departloc\_lbl = krloc; departure = "KR"; ui->departloc\_lbl->setText(departloc\_lbl); departselected = true; ui->kr\_btn->setEnabled(false);}

}

void Map::on\_reset\_btn\_clicked()

{

ui->departloc\_lbl->clear();

ui->arrivalloc\_lbl->clear();

ui->estimatedis\_lbl->clear();

ui->kr\_btn->setEnabled(true);

ui->my\_btn->setEnabled(true);

ui->sg\_btn->setEnabled(true);

ui->jp\_btn->setEnabled(true);

ui->me\_btn->setEnabled(true);

ui->uk\_btn->setEnabled(true);

ui->us\_btn->setEnabled(true);

ui->in\_btn->setEnabled(true);

ui->hk\_btn->setEnabled(true);

ui->ru\_btn->setEnabled(true);

}

void Map::on\_confirm\_btn\_clicked()

{

if (ui->departloc\_lbl->text() != "" && ui->arrivalloc\_lbl->text() != ""){

QString finalconfirm = "Departure Location Selected : " + departloc\_lbl + "\nArrival Location Selected: " + arrivalloc\_lbl + "\nEstimated Distance :" + estimatedis\_lbl;

QMessageBox::StandardButton selection = QMessageBox::question(this,"Confirmation",finalconfirm , QMessageBox::Yes | QMessageBox::No);

if (selection == QMessageBox::Yes){

QFile destination("G:/Degree/Sem3(1910)/TCP1201 - OOPDS/Assignment/FlightBookingSystem/destination.txt");

destination.open(QIODevice::WriteOnly | QIODevice::Text | QIODevice::ReadWrite | QIODevice::Truncate);

QTextStream stream(&destination);

stream<<departure<<" "<<arrival<<" "<<estimatedis\_lbl<<" "<<estimatedprice;

hide();

Calendar \*c;

c = new Calendar(this);

c->show();}

else{}

}

}

void Map::displayestimateddistance(){

if ((departloc\_lbl == "Kansai International Airport, Osaka, Japan" && arrivalloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A.") ||

(arrivalloc\_lbl == "Kansai International Airport, Osaka, Japan" && departloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A.") ){

estimatedis\_lbl = "8687"; estimatedprice = "5974";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Kansai International Airport, Osaka, Japan" && arrivalloc\_lbl == "Mexico City International Airport, Mexico") ||

(arrivalloc\_lbl == "Kansai International Airport, Osaka, Japan" && departloc\_lbl == "Mexico City International Airport, Mexico")){

estimatedis\_lbl = "11714"; estimatedprice = "6048";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Kansai International Airport, Osaka, Japan" && arrivalloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia") ||

(arrivalloc\_lbl == "Kansai International Airport, Osaka, Japan" && departloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia")){

estimatedis\_lbl = "7341"; estimatedprice = "5309";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Kansai International Airport, Osaka, Japan" && arrivalloc\_lbl == "London City Airport, London, United Kingdom") ||

(arrivalloc\_lbl == "Kansai International Airport, Osaka, Japan" && departloc\_lbl == "London City Airport, London, United Kingdom")){

estimatedis\_lbl = "9502"; estimatedprice = "6565";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Kansai International Airport, Osaka, Japan" && arrivalloc\_lbl == "Singapore Changi Airport, Singapore") ||

(arrivalloc\_lbl == "Kansai International Airport, Osaka, Japan" && departloc\_lbl == "Singapore Changi Airport, Singapore")){

estimatedis\_lbl = "4897"; estimatedprice = "1476";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Kansai International Airport, Osaka, Japan" && arrivalloc\_lbl == "Indira Gandhi International Airport, New Delhi, India") ||

(arrivalloc\_lbl == "Kansai International Airport, Osaka, Japan" && departloc\_lbl == "Indira Gandhi International Airport, New Delhi, India")){

estimatedis\_lbl = "5473"; estimatedprice = "2344";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Kansai International Airport, Osaka, Japan" && arrivalloc\_lbl == "Hong Kong International Airport, Hong Kong") ||

(arrivalloc\_lbl == "Kansai International Airport, Osaka, Japan" && departloc\_lbl == "Hong Kong International Airport, Hong Kong")){

estimatedis\_lbl = "2473"; estimatedprice = "1147";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Kansai International Airport, Osaka, Japan" && arrivalloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia") ||

(arrivalloc\_lbl == "Kansai International Airport, Osaka, Japan" && departloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia")){

estimatedis\_lbl = "4939"; estimatedprice = "1471";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Kansai International Airport, Osaka, Japan" && arrivalloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea") ||

(arrivalloc\_lbl == "Kansai International Airport, Osaka, Japan" && departloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea")){

estimatedis\_lbl = "859"; estimatedprice = "488";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A." && arrivalloc\_lbl == "Mexico City International Airport, Mexico") ||

(arrivalloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A." && departloc\_lbl == "Mexico City International Airport, Mexico")){

estimatedis\_lbl = "3695"; estimatedprice = "2710";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A." && arrivalloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia") ||

(arrivalloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A." && departloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia")){

estimatedis\_lbl = "9496"; estimatedprice = "2821";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A." && arrivalloc\_lbl == "London City Airport, London, United Kingdom") ||

(arrivalloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A." && departloc\_lbl == "London City Airport, London, United Kingdom")){

estimatedis\_lbl = "8632"; estimatedprice = "2685";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A." && arrivalloc\_lbl == "Singapore Changi Airport, Singapore") ||

(arrivalloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A." && departloc\_lbl == "Singapore Changi Airport, Singapore")){

estimatedis\_lbl = "13572"; estimatedprice = "2703";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A." && arrivalloc\_lbl == "Indira Gandhi International Airport, New Delhi, India") ||

(arrivalloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A." && departloc\_lbl == "Indira Gandhi International Airport, New Delhi, India")){

estimatedis\_lbl = "12374"; estimatedprice = "6565";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A." && arrivalloc\_lbl == "Hong Kong International Airport, Hong Kong") ||

(arrivalloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A." && departloc\_lbl == "Hong Kong International Airport, Hong Kong")){

estimatedis\_lbl = "11121"; estimatedprice = "3240";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A." && arrivalloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia") ||

(arrivalloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A." && departloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia")){

estimatedis\_lbl = "13626"; estimatedprice = "2760";

ui->estimatedis\_lbl->setText(estimatedis\_lbl + "km");

}

if ((departloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A." && arrivalloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea") ||

(arrivalloc\_lbl == "San Francisco International Airport, San Francisco, U.S.A." && departloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea")){

estimatedis\_lbl = "9080"; estimatedprice = "2951";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Mexico City International Airport, Mexico" && arrivalloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia") ||

(arrivalloc\_lbl == "Mexico City International Airport, Mexico" && departloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia")){

estimatedis\_lbl = "10751"; estimatedprice = "5803";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Mexico City International Airport, Mexico" && arrivalloc\_lbl == "London City Airport, London, United Kingdom") ||

(arrivalloc\_lbl == "Mexico City International Airport, Mexico" && departloc\_lbl == "London City Airport, London, United Kingdom")){

estimatedis\_lbl = "8930"; estimatedprice = "5730";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Mexico City International Airport, Mexico" && arrivalloc\_lbl == "Singapore Changi Airport, Singapore") ||

(arrivalloc\_lbl == "Mexico City International Airport, Mexico" && departloc\_lbl == "Singapore Changi Airport, Singapore")){

estimatedis\_lbl = "16586"; estimatedprice = "3629";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Mexico City International Airport, Mexico" && arrivalloc\_lbl == "Indira Gandhi International Airport, New Delhi, India") ||

(arrivalloc\_lbl == "Mexico City International Airport, Mexico" && departloc\_lbl == "Indira Gandhi International Airport, New Delhi, India")){

estimatedis\_lbl = "14654"; estimatedprice = "5271";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Mexico City International Airport, Mexico" && arrivalloc\_lbl == "Hong Kong International Airport, Hong Kong") ||

(arrivalloc\_lbl == "Mexico City International Airport, Mexico" && departloc\_lbl == "Hong Kong International Airport, Hong Kong")){

estimatedis\_lbl = "14142"; estimatedprice = "4292";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Mexico City International Airport, Mexico" && arrivalloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia") ||

(arrivalloc\_lbl == "Mexico City International Airport, Mexico" && departloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia")){

estimatedis\_lbl = "16652"; estimatedprice = "4933";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Mexico City International Airport, Mexico" && arrivalloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea") ||

(arrivalloc\_lbl == "Mexico City International Airport, Mexico" && departloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea")){

estimatedis\_lbl = "12090"; estimatedprice = "4845";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia" && arrivalloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea") ||

(arrivalloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia" && departloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea")){

estimatedis\_lbl = "4609"; estimatedprice = "1266";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia" && arrivalloc\_lbl == "Singapore Changi Airport, Singapore") ||

(arrivalloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia" && departloc\_lbl == "Singapore Changi Airport, Singapore")){

estimatedis\_lbl = "356"; estimatedprice = "231";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia" && arrivalloc\_lbl == "Hong Kong International Airport, Hong Kong") ||

(arrivalloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia" && departloc\_lbl == "Hong Kong International Airport, Hong Kong")){

estimatedis\_lbl = "2542"; estimatedprice = "550";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia" && arrivalloc\_lbl == "Indira Gandhi International Airport, New Delhi, India") ||

(arrivalloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia" && departloc\_lbl == "Indira Gandhi International Airport, New Delhi, India")){

estimatedis\_lbl = "5789"; estimatedprice = "1103";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia" && arrivalloc\_lbl == "London City Airport, London, United Kingdom") ||

(arrivalloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia" && departloc\_lbl == "London City Airport, London, United Kingdom")){

estimatedis\_lbl = "10563"; estimatedprice = "3179";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia" && arrivalloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia") ||

(arrivalloc\_lbl == "Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia" && departloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia")){

estimatedis\_lbl = "8130"; estimatedprice = "2413";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Singapore Changi Airport, Singapore" && arrivalloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia") ||

(arrivalloc\_lbl == "Singapore Changi Airport, Singapore" && departloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia")){

estimatedis\_lbl = "8395"; estimatedprice = "3154";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Singapore Changi Airport, Singapore" && arrivalloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea") ||

(arrivalloc\_lbl == "Singapore Changi Airport, Singapore" && departloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea")){

estimatedis\_lbl = "4622"; estimatedprice = "1283";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Singapore Changi Airport, Singapore" && arrivalloc\_lbl == "London City Airport, London, United Kingdom") ||

(arrivalloc\_lbl == "Singapore Changi Airport, Singapore" && departloc\_lbl == "London City Airport, London, United Kingdom")){

estimatedis\_lbl = "10840"; estimatedprice = "3296";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Singapore Changi Airport, Singapore" && arrivalloc\_lbl == "Indira Gandhi International Airport, New Delhi, India") ||

(arrivalloc\_lbl == "Singapore Changi Airport, Singapore" && departloc\_lbl == "Indira Gandhi International Airport, New Delhi, India")){

estimatedis\_lbl = "6122"; estimatedprice = "1327";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Singapore Changi Airport, Singapore" && arrivalloc\_lbl == "Hong Kong International Airport, Hong Kong") ||

(arrivalloc\_lbl == "Singapore Changi Airport, Singapore" && departloc\_lbl == "Hong Kong International Airport, Hong Kong")){

estimatedis\_lbl = "2563"; estimatedprice = "644";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Hong Kong International Airport, Hong Kong" && arrivalloc\_lbl == "Indira Gandhi International Airport, New Delhi, India") ||

(arrivalloc\_lbl == "Hong Kong International Airport, Hong Kong" && departloc\_lbl == "Indira Gandhi International Airport, New Delhi, India")){

estimatedis\_lbl = "3745"; estimatedprice = "1346";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Hong Kong International Airport, Hong Kong" && arrivalloc\_lbl == "London City Airport, London, United Kingdom") ||

(arrivalloc\_lbl == "Hong Kong International Airport, Hong Kong" && departloc\_lbl == "London City Airport, London, United Kingdom")){

estimatedis\_lbl = "9593"; estimatedprice = "2896";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Hong Kong International Airport, Hong Kong" && arrivalloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea") ||

(arrivalloc\_lbl == "Hong Kong International Airport, Hong Kong" && departloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea")){

estimatedis\_lbl = "2067"; estimatedprice = "641";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Hong Kong International Airport, Hong Kong" && arrivalloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia") ||

(arrivalloc\_lbl == "Hong Kong International Airport, Hong Kong" && departloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia")){

estimatedis\_lbl = "7105"; estimatedprice = "2133";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Indira Gandhi International Airport, New Delhi, India" && arrivalloc\_lbl == "London City Airport, London, United Kingdom") ||

(arrivalloc\_lbl == "Indira Gandhi International Airport, New Delhi, India" && departloc\_lbl == "London City Airport, London, United Kingdom")){

estimatedis\_lbl = "6692"; estimatedprice = "3566";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Indira Gandhi International Airport, New Delhi, India" && arrivalloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea") ||

(arrivalloc\_lbl == "Indira Gandhi International Airport, New Delhi, India" && departloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea")){

estimatedis\_lbl = "4649"; estimatedprice = "2371";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Indira Gandhi International Airport, New Delhi, India" && arrivalloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia") ||

(arrivalloc\_lbl == "Indira Gandhi International Airport, New Delhi, India" && departloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia")){

estimatedis\_lbl = "4305"; estimatedprice = "2158";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "London City Airport, London, United Kingdom" && arrivalloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea") ||

(arrivalloc\_lbl == "London City Airport, London, United Kingdom" && departloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea")){

estimatedis\_lbl = "8830"; estimatedprice = "4836";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "London City Airport, London, United Kingdom" && arrivalloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia") ||

(arrivalloc\_lbl == "London City Airport, London, United Kingdom" && departloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia")){

estimatedis\_lbl = "2912"; estimatedprice = "861";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

if ((departloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia" && arrivalloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea") ||

(arrivalloc\_lbl == "Moscow Domodedovo Airport, Moscow, Russia" && departloc\_lbl == "Incheon International Airport(IIA), Incheon, South Korea")){

estimatedis\_lbl = "6577"; estimatedprice = "2141";

ui->estimatedis\_lbl->setText(estimatedis\_lbl+ "km");

}

}

void Map::on\_buttonmainmenu\_clicked()

{

hide();

mainmenu \*menu;

menu = new mainmenu(this);

menu->show();

}

MAP (HTML file)

<?xml version="1.0" encoding="UTF-8"?>

<ui version="4.0">

<class>Map</class>

<widget class="QMainWindow" name="Map">

<property name="geometry">

<rect>

<x>0</x>

<y>0</y>

<width>800</width>

<height>600</height>

</rect>

</property>

<property name="windowTitle">

<string>MainWindow</string>

</property>

<widget class="QWidget" name="centralwidget">

<widget class="Line" name="frame1">

<property name="geometry">

<rect>

<x>0</x>

<y>10</y>

<width>20</width>

<height>581</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Vertical</enum>

</property>

</widget>

<widget class="Line" name="frame2">

<property name="geometry">

<rect>

<x>10</x>

<y>580</y>

<width>781</width>

<height>20</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Horizontal</enum>

</property>

</widget>

<widget class="Line" name="frame3">

<property name="geometry">

<rect>

<x>780</x>

<y>10</y>

<width>20</width>

<height>581</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Vertical</enum>

</property>

</widget>

<widget class="Line" name="frame4">

<property name="geometry">

<rect>

<x>10</x>

<y>0</y>

<width>781</width>

<height>20</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Horizontal</enum>

</property>

</widget>

<widget class="QLabel" name="worldmap\_lbl">

<property name="geometry">

<rect>

<x>10</x>

<y>40</y>

<width>771</width>

<height>471</height>

</rect>

</property>

<property name="text">

<string/>

</property>

<property name="pixmap">

<pixmap resource="images.qrc">:/images/MAP.png</pixmap>

</property>

<property name="scaledContents">

<bool>true</bool>

</property>

</widget>

<widget class="QPushButton" name="jp\_btn">

<property name="geometry">

<rect>

<x>660</x>

<y>249</y>

<width>16</width>

<height>20</height>

</rect>

</property>

<property name="cursor">

<cursorShape>PointingHandCursor</cursorShape>

</property>

<property name="toolTip">

<string>&lt;html&gt;&lt;head/&gt;&lt;body&gt;&lt;p&gt;&lt;span style=&quot; color:#000000;&quot;&gt;Kansai International Airport, Osaka, Japan&lt;/span&gt;&lt;/p&gt;&lt;/body&gt;&lt;/html&gt;</string>

</property>

<property name="text">

<string/>

</property>

<property name="icon">

<iconset resource="images.qrc">

<normaloff>:/images/iconr.png</normaloff>:/images/iconr.png</iconset>

</property>

<property name="flat">

<bool>true</bool>

</property>

</widget>

<widget class="QPushButton" name="kr\_btn">

<property name="geometry">

<rect>

<x>638</x>

<y>250</y>

<width>16</width>

<height>21</height>

</rect>

</property>

<property name="cursor">

<cursorShape>PointingHandCursor</cursorShape>

</property>

<property name="toolTip">

<string>&lt;html&gt;&lt;head/&gt;&lt;body&gt;&lt;p&gt;&lt;span style=&quot; color:#000000;&quot;&gt;Incheon International Airport(IIA), Incheon, South Korea&lt;/span&gt;&lt;/p&gt;&lt;/body&gt;&lt;/html&gt;</string>

</property>

<property name="text">

<string/>

</property>

<property name="icon">

<iconset resource="images.qrc">

<normaloff>:/images/iconr.png</normaloff>:/images/iconr.png</iconset>

</property>

<property name="flat">

<bool>true</bool>

</property>

</widget>

<widget class="QPushButton" name="ru\_btn">

<property name="geometry">

<rect>

<x>480</x>

<y>180</y>

<width>16</width>

<height>21</height>

</rect>

</property>

<property name="cursor">

<cursorShape>PointingHandCursor</cursorShape>

</property>

<property name="toolTip">

<string>&lt;html&gt;&lt;head/&gt;&lt;body&gt;&lt;p&gt;&lt;span style=&quot; color:#000000;&quot;&gt;Moscow Domodedovo Airport, Moscow, Russia&lt;/span&gt;&lt;/p&gt;&lt;/body&gt;&lt;/html&gt;</string>

</property>

<property name="text">

<string/>

</property>

<property name="icon">

<iconset resource="images.qrc">

<normaloff>:/images/iconr.png</normaloff>:/images/iconr.png</iconset>

</property>

<property name="autoDefault">

<bool>false</bool>

</property>

<property name="default">

<bool>false</bool>

</property>

<property name="flat">

<bool>true</bool>

</property>

</widget>

<widget class="QPushButton" name="my\_btn">

<property name="geometry">

<rect>

<x>597</x>

<y>322</y>

<width>16</width>

<height>21</height>

</rect>

</property>

<property name="cursor">

<cursorShape>PointingHandCursor</cursorShape>

</property>

<property name="toolTip">

<string>&lt;html&gt;&lt;head/&gt;&lt;body&gt;&lt;p&gt;&lt;span style=&quot; color:#000000;&quot;&gt;Kuala Lumpur International Airport(KLIA), Kuala Lumpur, Malaysia&lt;/span&gt;&lt;/p&gt;&lt;/body&gt;&lt;/html&gt;</string>

</property>

<property name="text">

<string/>

</property>

<property name="icon">

<iconset resource="images.qrc">

<normaloff>:/images/iconr.png</normaloff>:/images/iconr.png</iconset>

</property>

<property name="flat">

<bool>true</bool>

</property>

</widget>

<widget class="QPushButton" name="sg\_btn">

<property name="geometry">

<rect>

<x>585</x>

<y>330</y>

<width>16</width>

<height>20</height>

</rect>

</property>

<property name="cursor">

<cursorShape>PointingHandCursor</cursorShape>

</property>

<property name="toolTip">

<string>&lt;html&gt;&lt;head/&gt;&lt;body&gt;&lt;p&gt;&lt;span style=&quot; color:#000000;&quot;&gt;Singapore Changi Airport, Singapore&lt;/span&gt;&lt;/p&gt;&lt;/body&gt;&lt;/html&gt;</string>

</property>

<property name="text">

<string/>

</property>

<property name="icon">

<iconset resource="images.qrc">

<normaloff>:/images/iconr.png</normaloff>:/images/iconr.png</iconset>

</property>

<property name="flat">

<bool>true</bool>

</property>

</widget>

<widget class="QPushButton" name="in\_btn">

<property name="geometry">

<rect>

<x>530</x>

<y>280</y>

<width>16</width>

<height>20</height>

</rect>

</property>

<property name="cursor">

<cursorShape>PointingHandCursor</cursorShape>

</property>

<property name="toolTip">

<string>&lt;html&gt;&lt;head/&gt;&lt;body&gt;&lt;p&gt;&lt;span style=&quot; color:#000000;&quot;&gt;Indira Gandhi International Airport, New Delhi, India&lt;/span&gt;&lt;/p&gt;&lt;/body&gt;&lt;/html&gt;</string>

</property>

<property name="text">

<string/>

</property>

<property name="icon">

<iconset resource="images.qrc">

<normaloff>:/images/iconr.png</normaloff>:/images/iconr.png</iconset>

</property>

<property name="flat">

<bool>true</bool>

</property>

</widget>

<widget class="QPushButton" name="uk\_btn">

<property name="geometry">

<rect>

<x>360</x>

<y>190</y>

<width>16</width>

<height>20</height>

</rect>

</property>

<property name="cursor">

<cursorShape>PointingHandCursor</cursorShape>

</property>

<property name="toolTip">

<string>&lt;html&gt;&lt;head/&gt;&lt;body&gt;&lt;p&gt;&lt;span style=&quot; color:#000000;&quot;&gt;London City Airport, London, United Kingdom&lt;/span&gt;&lt;/p&gt;&lt;/body&gt;&lt;/html&gt;</string>

</property>

<property name="text">

<string/>

</property>

<property name="icon">

<iconset resource="images.qrc">

<normaloff>:/images/iconr.png</normaloff>:/images/iconr.png</iconset>

</property>

<property name="flat">

<bool>true</bool>

</property>

</widget>

<widget class="QPushButton" name="me\_btn">

<property name="geometry">

<rect>

<x>140</x>

<y>281</y>

<width>16</width>

<height>20</height>

</rect>

</property>

<property name="cursor">

<cursorShape>PointingHandCursor</cursorShape>

</property>

<property name="toolTip">

<string>&lt;html&gt;&lt;head/&gt;&lt;body&gt;&lt;p&gt;&lt;span style=&quot; color:#000000;&quot;&gt;Mexico City International Airport, Mexico&lt;/span&gt;&lt;/p&gt;&lt;/body&gt;&lt;/html&gt;</string>

</property>

<property name="text">

<string/>

</property>

<property name="icon">

<iconset resource="images.qrc">

<normaloff>:/images/iconr.png</normaloff>:/images/iconr.png</iconset>

</property>

<property name="flat">

<bool>true</bool>

</property>

</widget>

<widget class="QPushButton" name="us\_btn">

<property name="geometry">

<rect>

<x>140</x>

<y>240</y>

<width>16</width>

<height>21</height>

</rect>

</property>

<property name="cursor">

<cursorShape>PointingHandCursor</cursorShape>

</property>

<property name="toolTip">

<string>&lt;html&gt;&lt;head/&gt;&lt;body&gt;&lt;p&gt;&lt;span style=&quot; color:#000000;&quot;&gt;San Francisco International Airport, San Francisco, U.S.A.&lt;/span&gt;&lt;/p&gt;&lt;/body&gt;&lt;/html&gt;</string>

</property>

<property name="whatsThis">

<string>&lt;html&gt;&lt;head/&gt;&lt;body&gt;&lt;p&gt;&lt;br/&gt;&lt;/p&gt;&lt;/body&gt;&lt;/html&gt;</string>

</property>

<property name="text">

<string/>

</property>

<property name="icon">

<iconset resource="images.qrc">

<normaloff>:/images/iconr.png</normaloff>:/images/iconr.png</iconset>

</property>

<property name="iconSize">

<size>

<width>16</width>

<height>16</height>

</size>

</property>

<property name="flat">

<bool>true</bool>

</property>

</widget>

<widget class="QPushButton" name="hk\_btn">

<property name="geometry">

<rect>

<x>610</x>

<y>280</y>

<width>16</width>

<height>20</height>

</rect>

</property>

<property name="cursor">

<cursorShape>PointingHandCursor</cursorShape>

</property>

<property name="toolTip">

<string>&lt;html&gt;&lt;head/&gt;&lt;body&gt;&lt;p&gt;&lt;span style=&quot; color:#000000;&quot;&gt;Hong Kong International Airport, Hong Kong&lt;/span&gt;&lt;/p&gt;&lt;/body&gt;&lt;/html&gt;</string>

</property>

<property name="text">

<string/>

</property>

<property name="icon">

<iconset resource="images.qrc">

<normaloff>:/images/iconr.png</normaloff>:/images/iconr.png</iconset>

</property>

<property name="flat">

<bool>true</bool>

</property>

</widget>

<widget class="Line" name="frame2\_2">

<property name="geometry">

<rect>

<x>10</x>

<y>510</y>

<width>781</width>

<height>20</height>

</rect>

</property>

<property name="orientation">

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</property>

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<widget class="QLabel" name="label">

<property name="geometry">

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<x>15</x>

<y>528</y>

<width>141</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>Selected Departure Location:</string>

</property>

</widget>

<widget class="QLabel" name="departloc\_lbl">

<property name="geometry">

<rect>

<x>159</x>

<y>528</y>

<width>491</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string/>

</property>

</widget>

<widget class="QPushButton" name="confirm\_btn">

<property name="geometry">

<rect>

<x>710</x>

<y>560</y>

<width>75</width>

<height>23</height>

</rect>

</property>

<property name="text">

<string>CONFIRM</string>

</property>

</widget>

<widget class="QLabel" name="arrivalloc\_lbl">

<property name="geometry">

<rect>

<x>160</x>

<y>550</y>

<width>341</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string/>

</property>

</widget>

<widget class="QLabel" name="label\_2">

<property name="geometry">

<rect>

<x>15</x>

<y>548</y>

<width>141</width>

<height>16</height>

</rect>

</property>

<property name="toolTipDuration">

<number>-1</number>

</property>

<property name="text">

<string>Selected Arrival Location :</string>

</property>

<property name="indent">

<number>-1</number>

</property>

</widget>

<widget class="QPushButton" name="reset\_btn">

<property name="geometry">

<rect>

<x>630</x>

<y>560</y>

<width>75</width>

<height>23</height>

</rect>

</property>

<property name="text">

<string>RESET</string>

</property>

</widget>

<widget class="QLabel" name="label\_3">

<property name="geometry">

<rect>

<x>15</x>

<y>567</y>

<width>141</width>

<height>16</height>

</rect>

</property>

<property name="toolTipDuration">

<number>-1</number>

</property>

<property name="text">

<string>Estimated Distance :</string>

</property>

<property name="indent">

<number>-1</number>

</property>

</widget>

<widget class="QLabel" name="estimatedis\_lbl">

<property name="geometry">

<rect>

<x>160</x>

<y>568</y>

<width>341</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string/>

</property>

</widget>

<widget class="QLabel" name="userLabel">

<property name="geometry">

<rect>

<x>20</x>

<y>14</y>

<width>81</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>Current Session:</string>

</property>

</widget>

<widget class="QLabel" name="currentuser\_lbl">

<property name="geometry">

<rect>

<x>102</x>

<y>14</y>

<width>81</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>USERNAME</string>

</property>

</widget>

<widget class="Line" name="frame2\_3">

<property name="geometry">

<rect>

<x>10</x>

<y>30</y>

<width>781</width>

<height>20</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Horizontal</enum>

</property>

</widget>

<widget class="QPushButton" name="buttonmainmenu">

<property name="geometry">

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<x>710</x>

<y>13</y>

<width>75</width>

<height>23</height>

</rect>

</property>

<property name="text">

<string>MAIN MENU</string>

</property>

<property name="autoDefault">

<bool>false</bool>

</property>

<property name="default">

<bool>false</bool>

</property>

<property name="flat">

<bool>false</bool>

</property>

</widget>

<widget class="QLabel" name="weather\_us">

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<x>124</x>

<y>226</y>

<width>50</width>

<height>50</height>

</rect>

</property>

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<string/>

</property>

<property name="scaledContents">

<bool>true</bool>

</property>

<property name="alignment">

<set>Qt::AlignCenter</set>

</property>

</widget>

<widget class="QLabel" name="weather\_me">

<property name="geometry">

<rect>

<x>124</x>

<y>267</y>

<width>50</width>

<height>50</height>

</rect>

</property>

<property name="text">

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</property>

<property name="scaledContents">

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</property>

<property name="alignment">

<set>Qt::AlignCenter</set>

</property>

</widget>

<widget class="QLabel" name="weather\_uk">

<property name="geometry">

<rect>

<x>344</x>

<y>175</y>

<width>50</width>

<height>50</height>

</rect>

</property>

<property name="text">

<string/>

</property>

<property name="scaledContents">

<bool>true</bool>

</property>

<property name="alignment">

<set>Qt::AlignCenter</set>

</property>

</widget>

<widget class="QLabel" name="weather\_sg">

<property name="geometry">

<rect>

<x>568</x>

<y>318</y>

<width>50</width>

<height>50</height>

</rect>

</property>

<property name="text">

<string/>

</property>

<property name="scaledContents">

<bool>true</bool>

</property>

<property name="alignment">

<set>Qt::AlignCenter</set>

</property>

</widget>

<widget class="QLabel" name="weather\_my">

<property name="geometry">

<rect>

<x>581</x>

<y>310</y>

<width>50</width>

<height>50</height>

</rect>

</property>

<property name="text">

<string/>

</property>

<property name="scaledContents">

<bool>true</bool>

</property>

<property name="alignment">

<set>Qt::AlignCenter</set>

</property>

</widget>

<widget class="QLabel" name="weather\_hk">

<property name="geometry">

<rect>

<x>594</x>

<y>265</y>

<width>50</width>

<height>50</height>

</rect>

</property>

<property name="text">

<string/>

</property>

<property name="scaledContents">

<bool>true</bool>

</property>

<property name="alignment">

<set>Qt::AlignCenter</set>

</property>

</widget>

<widget class="QLabel" name="weather\_kr">

<property name="geometry">

<rect>

<x>622</x>

<y>235</y>

<width>50</width>

<height>50</height>

</rect>

</property>

<property name="text">

<string/>

</property>

<property name="scaledContents">

<bool>true</bool>

</property>

<property name="alignment">

<set>Qt::AlignCenter</set>

</property>

</widget>

<widget class="QLabel" name="weather\_jp">

<property name="geometry">

<rect>

<x>644</x>

<y>234</y>

<width>50</width>

<height>50</height>

</rect>

</property>

<property name="text">

<string/>

</property>

<property name="scaledContents">

<bool>true</bool>

</property>

<property name="alignment">

<set>Qt::AlignCenter</set>

</property>

</widget>

<widget class="QLabel" name="weather\_in">

<property name="geometry">

<rect>

<x>514</x>

<y>265</y>

<width>50</width>

<height>50</height>

</rect>

</property>

<property name="text">

<string/>

</property>

<property name="scaledContents">

<bool>true</bool>

</property>

<property name="alignment">

<set>Qt::AlignCenter</set>

</property>

</widget>

<widget class="QLabel" name="weather\_ru">

<property name="geometry">

<rect>

<x>464</x>

<y>165</y>

<width>50</width>

<height>50</height>

</rect>

</property>

<property name="text">

<string/>

</property>

<property name="scaledContents">

<bool>true</bool>

</property>

<property name="alignment">

<set>Qt::AlignCenter</set>

</property>

</widget>

<zorder>worldmap\_lbl</zorder>

<zorder>weather\_us</zorder>

<zorder>frame1</zorder>

<zorder>frame2</zorder>

<zorder>frame3</zorder>

<zorder>frame4</zorder>

<zorder>frame2\_2</zorder>

<zorder>label</zorder>

<zorder>departloc\_lbl</zorder>

<zorder>confirm\_btn</zorder>

<zorder>arrivalloc\_lbl</zorder>

<zorder>label\_2</zorder>

<zorder>reset\_btn</zorder>

<zorder>label\_3</zorder>

<zorder>estimatedis\_lbl</zorder>

<zorder>userLabel</zorder>

<zorder>currentuser\_lbl</zorder>

<zorder>frame2\_3</zorder>

<zorder>buttonmainmenu</zorder>

<zorder>weather\_me</zorder>

<zorder>weather\_uk</zorder>

<zorder>weather\_sg</zorder>

<zorder>weather\_my</zorder>

<zorder>weather\_hk</zorder>

<zorder>weather\_kr</zorder>

<zorder>weather\_jp</zorder>

<zorder>weather\_in</zorder>

<zorder>weather\_ru</zorder>

<zorder>kr\_btn</zorder>

<zorder>me\_btn</zorder>

<zorder>in\_btn</zorder>

<zorder>us\_btn</zorder>

<zorder>hk\_btn</zorder>

<zorder>ru\_btn</zorder>

<zorder>uk\_btn</zorder>

<zorder>sg\_btn</zorder>

<zorder>my\_btn</zorder>

<zorder>jp\_btn</zorder>

</widget>

</widget>

<resources>

<include location="images.qrc"/>

</resources>

<connections/>

</ui>

CALENDAR (Header file)

#ifndef CALENDAR\_H

#define CALENDAR\_H

#include <QMainWindow>

#include <QCalendarWidget>

#include "mainwindow.h"

#include "ui\_mainwindow.h"

#include "flight.h"

#include "ui\_flight.h"

#include "map.h"

#include "ui\_map.h"

#include "seats.h"

#include "ui\_seats.h"

namespace Ui {

class Calendar;

}

class Calendar : public QMainWindow

{

Q\_OBJECT

public:

explicit Calendar(QWidget \*parent = nullptr);

QString departloc, arrivalloc, distance, ticketprice, username, timecompare, gatenum, timeselected, flightselected, flightcurstatus;

QString day, month, year, daytdy, monthtdy, yeartdy;

QString dateselectLabel, timeselectedLabel;

QDateTime datetdy = QDateTime::currentDateTime();

QString datetdylbl = datetdy.toString("dd/MM/yyyy");

int selected;

QString departure[90], arrival[90], flighttime[90], flightstatus[90];

QString flightnum[90], flightdestination[90], flightairport[90], flightairline[90], flightgate[90];

QPixmap flighticon[90] =

{QPixmap(":/images/ru.png"), QPixmap(":/images/hk.png"),QPixmap(":/images/my.png"),QPixmap(":/images/sg.png"), QPixmap(":/images/jp.png"), QPixmap(":/images/in.png"),QPixmap(":/images/us.png"),QPixmap(":/images/kr.png"), QPixmap(":/images/me.png"), QPixmap(":/images/uk.png"),

QPixmap(":/images/me.png"),QPixmap(":/images/ru.png"), QPixmap(":/images/my.png"), QPixmap(":/images/sg.png"),QPixmap(":/images/hk.png"),QPixmap(":/images/jp.png"),QPixmap(":/images/in.png"), QPixmap(":/images/us.png"),QPixmap(":/images/kr.png"),QPixmap(":/images/me.png"),

QPixmap(":/images/uk.png"), QPixmap(":/images/ru.png"),QPixmap(":/images/ru.png"),QPixmap(":/images/my.png"),QPixmap(":/images/sg.png"), QPixmap(":/images/hk.png"),QPixmap(":/images/jp.png"),QPixmap(":/images/in.png"),QPixmap(":/images/us.png"), QPixmap(":/images/kr.png"),

QPixmap(":/images/me.png"),QPixmap(":/images/uk.png"),QPixmap(":/images/ru.png"), QPixmap(":/images/ru.png"),QPixmap(":/images/my.png"),QPixmap(":/images/sg.png"),QPixmap(":/images/hk.png"), QPixmap(":/images/jp.png"),QPixmap(":/images/in.png"),QPixmap(":/images/us.png"),

QPixmap(":/images/kr.png"), QPixmap(":/images/me.png"),QPixmap(":/images/uk.png"),QPixmap(":/images/ru.png"),QPixmap(":/images/ru.png"), QPixmap(":/images/my.png"),QPixmap(":/images/sg.png"),QPixmap(":/images/hk.png"),QPixmap(":/images/jp.png"), QPixmap(":/images/in.png"),

QPixmap(":/images/us.png"),QPixmap(":/images/kr.png"),QPixmap(":/images/me.png"), QPixmap(":/images/uk.png"),QPixmap(":/images/ru.png"),QPixmap(":/images/ru.png"),QPixmap(":/images/my.png"), QPixmap(":/images/sg.png"),QPixmap(":/images/hk.png"),QPixmap(":/images/jp.png"),

QPixmap(":/images/in.png"), QPixmap(":/images/us.png"),QPixmap(":/images/kr.png"),QPixmap(":/images/me.png"), QPixmap(":/images/uk.png"), QPixmap(":/images/ru.png"),QPixmap(":/images/me.png"),QPixmap(":/images/my.png"),QPixmap(":/images/sg.png"), QPixmap(":/images/hk.png"),

QPixmap(":/images/hk.png"),QPixmap(":/images/jp.png"),QPixmap(":/images/in.png"), QPixmap(":/images/us.png"),QPixmap(":/images/kr.png"),QPixmap(":/images/uk.png"),QPixmap(":/images/ru.png"), QPixmap(":/images/ru.png"),QPixmap(":/images/my.png"),QPixmap(":/images/sg.png"),

QPixmap(":/images/sg.png"), QPixmap(":/images/hk.png"),QPixmap(":/images/jp.png"),QPixmap(":/images/in.png"),QPixmap(":/images/us.png"), QPixmap(":/images/kr.png"),QPixmap(":/images/me.png"),QPixmap(":/images/uk.png"),QPixmap(":/images/ru.png"), QPixmap(":/images/my.png")};

~Calendar();

private slots:

void displaytime();

void on\_buttonmainmenu\_clicked();

void on\_calendarWidget\_clicked(const QDate &date);

void on\_pushButton\_clicked();

void on\_buttonconfirm\_clicked();

void displayflightonbtn();

void currentsession();

void selectedloc();

void on\_buttonreturn\_clicked();

void on\_btnflight\_clicked();

private:

Ui::Calendar \*ui;

};

#endif // CALENDAR\_H

CALENDAR (CPP file)

#include "calendar.h"

#include "ui\_calendar.h"

#include "flight.h"

#include "ui\_flight.h"

#include "map.h"

#include "ui\_map.h"

#include "seats.h"

#include "ui\_seats.h"

#include <QTime>

#include <QTimer>

#include <QDateTime>

#include <QPushButton>

#include <QMessageBox>

#include <QPalette>

#include <QCalendarWidget>

#include <QApplication>

#include <QDebug>

Calendar::**Calendar**(QWidget \*parent) : QMainWindow(parent), ui(new Ui::Calendar)

{

ui->setupUi(this);

QTimer \*timer = new QTimer(this);

connect(timer, SIGNAL(timeout()), this, SLOT(displaytime()));

connect(timer, SIGNAL(timeout()), this, SLOT(currentsession()));

connect(timer, SIGNAL(timeout()), this, SLOT(selectedloc()));

timer->start();

QTime time = QTime::currentTime();

timecompare = time.toString("hhmm");

QString dateLabel = datetdy.toString(": dd/MM/yyyy");

daytdy = datetdy.toString("dd"); monthtdy = datetdy.toString("MM"); yeartdy = datetdy.toString("yyyy");

ui->datedisplay->setText(dateLabel);

ui->calendarWidget->setGridVisible(true);

ui->calendarWidget->setMinimumDate(QDate::currentDate());

ui->groupBox->hide();

MainWindow m;

m.dbopened();

QSqlQueryModel qry;

qry.setQuery("select \* from flight order by no");

for (int i = 0; i < qry.*rowCount*();i++){

departure[i] = qry.record(i).value("departure").toString();

arrival[i] = qry.record(i).value("arrival").toString();

flighttime[i] = qry.record(i).value("time").toString();

flightdestination[i] = qry.record(i).value("destination").toString();

flightairport[i] = qry.record(i).value("airport").toString();

flightairline[i] = qry.record(i).value("airline").toString();

flightnum[i] = qry.record(i).value("flightnum").toString();

flightstatus[i] = qry.record(i).value("status").toString();

int flightgatenum = qry.record(i).value("gate").toInt();

flightgate[i] = QString::number(flightgatenum);}

m.dbclosed();

displayflightonbtn();

}

void Calendar::**displaytime**(){

QTime time = QTime::currentTime();

QString timeLabel = time.toString("hh : mm : ss");

ui->timedisplay->setText(timeLabel);}

void Calendar::**currentsession**(){

QFile currentuser("G:/Degree/Sem3(1910)/TCP1201 - OOPDS/Assignment/FlightBookingSystem/currentuser.txt");

currentuser.*open*(QFile::ReadOnly | QFile::Text);

QTextStream in(&currentuser);

in>>username;

ui->currentuser\_lbl->setText(username);

currentuser.flush();

currentuser.*close*();

}

void Calendar::**selectedloc**(){

QFile destination("G:/Degree/Sem3(1910)/TCP1201 - OOPDS/Assignment/FlightBookingSystem/destination.txt");

destination.*open*(QFile::ReadOnly | QFile::Text);

QTextStream get(&destination);

get>>departloc>>arrivalloc>>distance>>ticketprice;

destination.flush();

destination.*close*();

}

void Calendar::**on\_calendarWidget\_clicked**(const QDate &date)

{

dateselectLabel = date.toString("dd/MM/yyyy");

day = date.toString("dd"); month = date.toString("MM"); year = date.toString("yyyy");

qDebug() << day << month << year;

ui->groupBox->show();

ui->dateselectedLabel->setText((dateselectLabel));

displayflightonbtn();

}

void Calendar::**displayflightonbtn**(){

for (int i = 0; i< 90;i++){

if (departure[i] == departloc && arrival[i] == arrivalloc){selected = i; i=90;}

else{}

}

if (year==yeartdy && month==monthtdy && day==daytdy){

if(flighttime[selected] <= timecompare){ui->status->setText("EXPIRED"); ui->groupBox->setEnabled(false);}

else{ui->status->setText(flightstatus[selected]); ui->groupBox->setEnabled(true);}}

else{ui->status->setText(flightstatus[selected]); ui->groupBox->setEnabled(true);}

timeselected = flighttime[selected];

ui->timelbl->setText(timeselected);

ui->regionlbl->setText(flightdestination[selected]);

ui->airlinelbl->setText(flightairline[selected]);

ui->flighticon->setPixmap(flighticon[selected]);

ui->airportlbl->setText(flightairport[selected]);

flightselected = flightnum[selected];

ui->flightnumlbl->setText(flightselected);

gatenum = flightgate[selected];

ui->gatenum->setText(gatenum);

ui->datelbl->setText(dateselectLabel);

flightcurstatus = flightstatus[selected];

}

void Calendar::**on\_buttonmainmenu\_clicked**()

{

hide();

mainmenu \*menu;

menu = new mainmenu(this);

menu->show();

}

void Calendar::**on\_pushButton\_clicked**()

{

ui->calendarWidget->setSelectedDate(QDate::currentDate());

}

Calendar::~***Calendar***()

{

delete ui;

}

void Calendar::**on\_buttonconfirm\_clicked**()

{

if ((ui->dateselectedLabel->text() == "-" /\*&& ui->timeselectedLabel->text() == "-"\*/) ||

(ui->dateselectedLabel->text() != "-" /\*&& ui->timeselectedLabel->text() == "-"\*/) ||

(ui->dateselectedLabel->text() == "-" /\*&& ui->timeselectedLabel->text() != "-"\*/)){QMessageBox::information(this,"Warning!","Selection cannnot be EMPTY!");}

if (ui->dateselectedLabel->text() != "-" /\*&& ui->timeselectedLabel->text() != "-"\*/){

QString finalconfirm = "Date Selected : " + dateselectLabel + "\nTime Selected: " + timeselectedLabel;

QMessageBox::StandardButton selection = QMessageBox::question(this,"Confirmation",finalconfirm , QMessageBox::Yes | QMessageBox::No);

if (selection == QMessageBox::Yes){}

else{}}

}

void Calendar::**on\_buttonreturn\_clicked**()

{

hide();

Map \*map;

map = new Map(this);

map->show();

}

void Calendar::**on\_btnflight\_clicked**()

{

QFile selectseat("G:/Degree/Sem3(1910)/TCP1201 - OOPDS/Assignment/FlightBookingSystem/b4selectseat.txt");

selectseat.*open*(QIODevice::WriteOnly | QIODevice::Text | QIODevice::ReadWrite | QIODevice::Truncate);

QTextStream stream(&selectseat);

stream <<departloc<<" "<<arrivalloc<<" "<<distance<<" "<<ticketprice<<" "<<flightselected<<" "<<gatenum<<" "<<dateselectLabel<<" "<<timeselected<<" "<<flightcurstatus;

hide();

Seats \*s;

s = new Seats(this);

s->show();

}

CALENDAR (HTML file)

<?xml version="1.0" encoding="UTF-8"?>

<ui version="4.0">

<class>Calendar</class>

<widget class="QMainWindow" name="Calendar">

<property name="geometry">

<rect>

<x>0</x>

<y>0</y>

<width>800</width>

<height>600</height>

</rect>

</property>

<property name="font">

<font>

<weight>50</weight>

<bold>false</bold>

</font>

</property>

<property name="windowTitle">

<string>University Faclilities Management System (UFMS)</string>

</property>

<property name="documentMode">

<bool>false</bool>

</property>

<widget class="QWidget" name="centralWidget">

<widget class="QLabel" name="timedisplay">

<property name="geometry">

<rect>

<x>100</x>

<y>46</y>

<width>111</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>CLOCK</string>

</property>

</widget>

<widget class="QCalendarWidget" name="calendarWidget">

<property name="enabled">

<bool>true</bool>

</property>

<property name="geometry">

<rect>

<x>20</x>

<y>70</y>

<width>431</width>

<height>351</height>

</rect>

</property>

<property name="font">

<font>

<weight>50</weight>

<italic>false</italic>

<bold>false</bold>

<underline>false</underline>

</font>

</property>

<property name="cursor">

<cursorShape>PointingHandCursor</cursorShape>

</property>

<property name="acceptDrops">

<bool>false</bool>

</property>

<property name="toolTip">

<string>&lt;html&gt;&lt;head/&gt;&lt;body&gt;&lt;p&gt;&lt;br/&gt;&lt;/p&gt;&lt;/body&gt;&lt;/html&gt;</string>

</property>

<property name="whatsThis">

<string/>

</property>

<property name="accessibleName">

<string/>

</property>

<property name="autoFillBackground">

<bool>true</bool>

</property>

<property name="styleSheet">

<string notr="true">selection-background-color: qlineargradient(spread:pad, x1:0.624591, y1:0.647, x2:0, y2:0, stop:0 rgba(31, 180, 214, 255), stop:1 rgba(183, 183, 183, 255));

</string>

</property>

<property name="selectedDate">

<date>

<year>2019</year>

<month>8</month>

<day>21</day>

</date>

</property>

<property name="minimumDate">

<date>

<year>2019</year>

<month>1</month>

<day>1</day>

</date>

</property>

<property name="gridVisible">

<bool>true</bool>

</property>

<property name="horizontalHeaderFormat">

<enum>QCalendarWidget::ShortDayNames</enum>

</property>

<property name="verticalHeaderFormat">

<enum>QCalendarWidget::NoVerticalHeader</enum>

</property>

<property name="navigationBarVisible">

<bool>true</bool>

</property>

<property name="dateEditEnabled">

<bool>true</bool>

</property>

</widget>

<widget class="QLabel" name="userLabel">

<property name="geometry">

<rect>

<x>20</x>

<y>14</y>

<width>81</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>Current Session:</string>

</property>

</widget>

<widget class="QLabel" name="datedisplay">

<property name="geometry">

<rect>

<x>360</x>

<y>46</y>

<width>71</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>: DATE</string>

</property>

</widget>

<widget class="QLabel" name="timecurrentLabel">

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<x>19</x>

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<width>101</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>Current Time :</string>

</property>

</widget>

<widget class="QPushButton" name="buttonmainmenu">

<property name="geometry">

<rect>

<x>710</x>

<y>13</y>

<width>75</width>

<height>23</height>

</rect>

</property>

<property name="text">

<string>MAIN MENU</string>

</property>

<property name="autoDefault">

<bool>false</bool>

</property>

<property name="default">

<bool>false</bool>

</property>

<property name="flat">

<bool>false</bool>

</property>

</widget>

<widget class="QLabel" name="dateselectLabel">

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<x>628</x>

<y>522</y>

<width>71</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>Selected Date:</string>

</property>

</widget>

<widget class="QLabel" name="dateselectedLabel">

<property name="geometry">

<rect>

<x>700</x>

<y>520</y>

<width>91</width>

<height>20</height>

</rect>

</property>

<property name="text">

<string>-</string>

</property>

</widget>

<widget class="QPushButton" name="pushButton">

<property name="geometry">

<rect>

<x>288</x>

<y>44</y>

<width>71</width>

<height>21</height>

</rect>

</property>

<property name="text">

<string>Today's Date</string>

</property>

</widget>

<widget class="Line" name="frame3">

<property name="geometry">

<rect>

<x>780</x>

<y>10</y>

<width>20</width>

<height>581</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Vertical</enum>

</property>

</widget>

<widget class="Line" name="frame2">

<property name="geometry">

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<x>10</x>

<y>580</y>

<width>781</width>

<height>20</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Horizontal</enum>

</property>

</widget>

<widget class="Line" name="frame1">

<property name="geometry">

<rect>

<x>0</x>

<y>10</y>

<width>20</width>

<height>581</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Vertical</enum>

</property>

</widget>

<widget class="Line" name="frame4">

<property name="geometry">

<rect>

<x>10</x>

<y>0</y>

<width>781</width>

<height>20</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Horizontal</enum>

</property>

</widget>

<widget class="QLabel" name="currentuser\_lbl">

<property name="geometry">

<rect>

<x>102</x>

<y>14</y>

<width>81</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>USERNAME</string>

</property>

</widget>

<widget class="Line" name="frame2\_2">

<property name="geometry">

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<x>10</x>

<y>30</y>

<width>781</width>

<height>20</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Horizontal</enum>

</property>

</widget>

<widget class="Line" name="frame2\_3">

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<x>10</x>

<y>510</y>

<width>781</width>

<height>20</height>

</rect>

</property>

<property name="orientation">

<enum>Qt::Horizontal</enum>

</property>

</widget>

<widget class="Line" name="line">

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<width>20</width>

<height>481</height>

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<x>460</x>

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<width>321</width>

<height>161</height>

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</property>

<property name="title">

<string/>

</property>

<widget class="QLabel" name="regionlbl">

<property name="geometry">

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<x>70</x>

<y>110</y>

<width>91</width>

<height>16</height>

</rect>

</property>

<property name="font">

<font>

<underline>true</underline>

</font>

</property>

<property name="text">

<string>San Francisco(US)</string>

</property>

</widget>

<widget class="QLabel" name="flightnumlbl">

<property name="geometry">

<rect>

<x>10</x>

<y>10</y>

<width>81</width>

<height>16</height>

</rect>

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<bold>true</bold>

</font>

</property>

<property name="text">

<string>WW9999</string>

</property>

</widget>

<widget class="QLabel" name="airportlbl">

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<y>90</y>

<width>201</width>

<height>16</height>

</rect>

</property>

<property name="font">

<font>

<underline>true</underline>

</font>

</property>

<property name="text">

<string>Kuala Lumpur International Airport (KLIA)</string>

</property>

</widget>

<widget class="QLabel" name="timelbl">

<property name="geometry">

<rect>

<x>70</x>

<y>70</y>

<width>31</width>

<height>16</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>10</pointsize>

</font>

</property>

<property name="text">

<string>9999</string>

</property>

</widget>

<widget class="QLabel" name="airlinelbl">

<property name="geometry">

<rect>

<x>100</x>

<y>10</y>

<width>121</width>

<height>16</height>

</rect>

</property>

<property name="font">

<font>

<italic>true</italic>

</font>

</property>

<property name="text">

<string>Aeroflot Russian Airlines</string>

</property>

</widget>

<widget class="QLabel" name="flighticon">

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<height>21</height>

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</property>

<property name="text">

<string>icon</string>

</property>

<property name="scaledContents">

<bool>true</bool>

</property>

<property name="alignment">

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<height>16</height>

</rect>

</property>

<property name="font">

<font>

<underline>true</underline>

</font>

</property>

<property name="text">

<string>99</string>

</property>

</widget>

<widget class="QLabel" name="status">

<property name="geometry">

<rect>

<x>260</x>

<y>70</y>

<width>51</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>DELAYED</string>

</property>

</widget>

<widget class="QPushButton" name="btnflight">

<property name="geometry">

<rect>

<x>235</x>

<y>125</y>

<width>81</width>

<height>31</height>

</rect>

</property>

<property name="text">

<string>SELECT</string>

</property>

</widget>

<widget class="QLabel" name="gatenumlbl">

<property name="geometry">

<rect>

<x>10</x>

<y>130</y>

<width>61</width>

<height>16</height>

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</property>

<property name="text">

<string>GATE :</string>

</property>

</widget>

<widget class="QLabel" name="regionlblname">

<property name="geometry">

<rect>

<x>10</x>

<y>110</y>

<width>61</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>ARRIVAL :</string>

</property>

</widget>

<widget class="QLabel" name="airportlblname">

<property name="geometry">

<rect>

<x>10</x>

<y>90</y>

<width>61</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>DEPATURE:</string>

</property>

</widget>

<widget class="QLabel" name="timelblname">

<property name="geometry">

<rect>

<x>10</x>

<y>70</y>

<width>61</width>

<height>16</height>

</rect>

</property>

<property name="font">

<font>

<pointsize>8</pointsize>

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</property>

<property name="text">

<string>TIME :</string>

</property>

</widget>

<widget class="QLabel" name="statusname">

<property name="geometry">

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<x>210</x>

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<height>16</height>

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</property>

<property name="text">

<string>STATUS:</string>

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</widget>

<widget class="QLabel" name="datetitle">

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<x>10</x>

<y>50</y>

<width>61</width>

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<property name="text">

<string>DATE :</string>

</property>

</widget>

<widget class="QLabel" name="datelbl">

<property name="geometry">

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<x>70</x>

<y>48</y>

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<height>20</height>

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</property>

<property name="text">

<string>19999999</string>

</property>

</widget>

</widget>

<widget class="QLabel" name="flightshow">

<property name="geometry">

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<x>462</x>

<y>46</y>

<width>91</width>

<height>16</height>

</rect>

</property>

<property name="text">

<string>Available Flight(s):</string>

</property>

</widget>

<widget class="QPushButton" name="buttonreturn">

<property name="geometry">

<rect>

<x>630</x>

<y>13</y>

<width>75</width>

<height>23</height>

</rect>

</property>

<property name="text">

<string>RETURN</string>

</property>

<property name="autoDefault">

<bool>false</bool>

</property>

<property name="default">

<bool>false</bool>

</property>

<property name="flat">

<bool>false</bool>

</property>

</widget>

<zorder>timedisplay</zorder>

<zorder>userLabel</zorder>

<zorder>datedisplay</zorder>

<zorder>timecurrentLabel</zorder>

<zorder>buttonmainmenu</zorder>

<zorder>dateselectLabel</zorder>

<zorder>dateselectedLabel</zorder>

<zorder>calendarWidget</zorder>

<zorder>pushButton</zorder>

<zorder>frame3</zorder>

<zorder>frame2</zorder>

<zorder>frame1</zorder>

<zorder>frame4</zorder>

<zorder>currentuser\_lbl</zorder>

<zorder>frame2\_2</zorder>

<zorder>frame2\_3</zorder>

<zorder>line</zorder>

<zorder>groupBox</zorder>

<zorder>flightshow</zorder>

<zorder>buttonreturn</zorder>

</widget>

</widget>

<layoutdefault spacing="6" margin="11"/>

<resources/>

<connections/>

</ui>

SEATS (Header file)

#ifndef SEATS\_H

#define SEATS\_H

#include <QMainWindow>

#include "mainwindow.h"

#include "ui\_mainwindow.h"

#include "mainmenu.h"

#include "ui\_mainmenu.h"

namespace Ui {

class Seats;

}

class Seats : public QMainWindow

{

Q\_OBJECT

public:

explicit Seats(QWidget \*parent = nullptr);

QString seatselected, seatclass, username, accid, gatenum, timeselected, departure, arrival, distance, ticketprice, flightstatus, flightnum, date, time;

~Seats();

private slots:

void currentsession();

void datafromprev();

void on\_confirm\_btn\_clicked();

void on\_A30\_clicked();

void on\_A29\_clicked();

void on\_A28\_clicked();

void on\_A27\_clicked();

void on\_A26\_clicked();

void on\_A25\_clicked();

void on\_A24\_clicked();

void on\_A23\_clicked();

void on\_A22\_clicked();

void on\_A21\_clicked();

void on\_A20\_clicked();

void on\_A19\_clicked();

void on\_A18\_clicked();

void on\_A17\_clicked();

void on\_A16\_clicked();

void on\_A15\_clicked();

void on\_A14\_clicked();

void on\_A13\_clicked();

void on\_A12\_clicked();

void on\_A11\_clicked();

void on\_A10\_clicked();

void on\_A09\_clicked();

void on\_A08\_clicked();

void on\_A07\_clicked();

void on\_A06\_clicked();

void on\_A05\_clicked();

void on\_A04\_clicked();

void on\_A03\_clicked();

void on\_A02\_clicked();

void on\_A01\_clicked();

void on\_B30\_clicked();

void on\_B29\_clicked();

void on\_B28\_clicked();

void on\_B27\_clicked();

void on\_B26\_clicked();

void on\_B25\_clicked();

void on\_B24\_clicked();

void on\_B23\_clicked();

void on\_B22\_clicked();

void on\_B21\_clicked();

void on\_B20\_clicked();

void on\_B19\_clicked();

void on\_B18\_clicked();

void on\_B17\_clicked();

void on\_B16\_clicked();

void on\_B15\_clicked();

void on\_B14\_clicked();

void on\_B13\_clicked();

void on\_B12\_clicked();

void on\_B11\_clicked();

void on\_B10\_clicked();

void on\_B09\_clicked();

void on\_B08\_clicked();

void on\_B07\_clicked();

void on\_B06\_clicked();

void on\_B05\_clicked();

void on\_B04\_clicked();

void on\_B03\_clicked();

void on\_B02\_clicked();

void on\_B01\_clicked();

void on\_C30\_clicked();

void on\_C29\_clicked();

void on\_C28\_clicked();

void on\_C27\_clicked();

void on\_C26\_clicked();

void on\_C25\_clicked();

void on\_C24\_clicked();

void on\_C23\_clicked();

void on\_C22\_clicked();

void on\_C21\_clicked();

void on\_C20\_clicked();

void on\_C19\_clicked();

void on\_C18\_clicked();

void on\_C17\_clicked();

void on\_C16\_clicked();

void on\_C15\_clicked();

void on\_C14\_clicked();

void on\_C13\_clicked();

void on\_C12\_clicked();

void on\_C11\_clicked();

void on\_C10\_clicked();

void on\_C09\_clicked();

void on\_C08\_clicked();

void on\_C07\_clicked();

void on\_C06\_clicked();

void on\_C05\_clicked();

void on\_C04\_clicked();

void on\_C03\_clicked();

void on\_C02\_clicked();

void on\_C01\_clicked();

void on\_D30\_clicked();

void on\_D29\_clicked();

void on\_D28\_clicked();

void on\_D27\_clicked();

void on\_D26\_clicked();

void on\_D25\_clicked();

void on\_D24\_clicked();

void on\_D23\_clicked();

void on\_D22\_clicked();

void on\_D21\_clicked();

void on\_D20\_clicked();

void on\_D19\_clicked();

void on\_D18\_clicked();

void on\_D17\_clicked();

void on\_D16\_clicked();

void on\_D15\_clicked();

void on\_D14\_clicked();

void on\_D13\_clicked();

void on\_D12\_clicked();

void on\_D11\_clicked();

void on\_D10\_clicked();

void on\_D09\_clicked();

void on\_D08\_clicked();

void on\_D07\_clicked();

void on\_D06\_clicked();

void on\_D05\_clicked();

void on\_D04\_clicked();

void on\_D03\_clicked();

void on\_D02\_clicked();

void on\_D01\_clicked();

void on\_E30\_clicked();

void on\_E29\_clicked();

void on\_E28\_clicked();

void on\_E27\_clicked();

void on\_E26\_clicked();

void on\_E25\_clicked();

void on\_E24\_clicked();

void on\_E23\_clicked();

void on\_E22\_clicked();

void on\_E21\_clicked();

void on\_E20\_clicked();

void on\_E19\_clicked();

void on\_E18\_clicked();

void on\_E17\_clicked();

void on\_E16\_clicked();

void on\_E15\_clicked();

void on\_E14\_clicked();

void on\_E13\_clicked();

void on\_E12\_clicked();

void on\_E11\_clicked();

void on\_E10\_clicked();

void on\_E09\_clicked();

void on\_E08\_clicked();

void on\_E07\_clicked();

void on\_E06\_clicked();

void on\_E05\_clicked();

void on\_E04\_clicked();

void on\_E03\_clicked();

void on\_E02\_clicked();

void on\_E01\_clicked();

void on\_F30\_clicked();

void on\_F29\_clicked();

void on\_F28\_clicked();

void on\_F27\_clicked();

void on\_F26\_clicked();

void on\_F25\_clicked();

void on\_F24\_clicked();

void on\_F23\_clicked();

void on\_F22\_clicked();

void on\_F21\_clicked();

void on\_F20\_clicked();

void on\_F19\_clicked();

void on\_F18\_clicked();

void on\_F17\_clicked();

void on\_F16\_clicked();

void on\_F15\_clicked();

void on\_F14\_clicked();

void on\_F13\_clicked();

void on\_F12\_clicked();

void on\_F11\_clicked();

void on\_F10\_clicked();

void on\_F09\_clicked();

void on\_F08\_clicked();

void on\_F07\_clicked();

void on\_F06\_clicked();

void on\_F05\_clicked();

void on\_F04\_clicked();

void on\_F03\_clicked();

void on\_F02\_clicked();

void on\_F01\_clicked();

void on\_buttonmainmenu\_clicked();

void on\_buttonreturn\_clicked();

private:

Ui::Seats \*ui;

};

#endif // SEATS\_H

SEATS (CPP file)

#include "seats.h"

#include "ui\_seats.h"

#include "mainwindow.h"

#include "mainmenu.h"

#include "ui\_mainmenu.h"

#include <QMessageBox>

#include <QtSql>

#include <QTextStream>

#include <QDebug>

Seats::Seats(QWidget \*parent) :QMainWindow(parent), ui(new Ui::Seats)

{

ui->setupUi(this);

QTimer \*timer = new QTimer(this);

connect(timer, SIGNAL(timeout()), this, SLOT(currentsession()));

connect(timer, SIGNAL(timeout()), this, SLOT(datafromprev()));

timer->start();

QPixmap exitup, exitdown;

exitup.load(":/images/arrow\_up.png");

exitdown.load(":/images/arrow\_down.png");

ui->exit1->setPixmap(exitup);

ui->exit2->setPixmap(exitup);

ui->exit3->setPixmap(exitup);

ui->exit4->setPixmap(exitup);

ui->exit9->setPixmap(exitup);

ui->exit5->setPixmap(exitdown);

ui->exit6->setPixmap(exitdown);

ui->exit7->setPixmap(exitdown);

ui->exit8->setPixmap(exitdown);

ui->exit10->setPixmap(exitdown);

}

void Seats::currentsession(){

QFile currentuser("G:/Degree/Sem3(1910)/TCP1201 - OOPDS/Assignment/FlightBookingSystem/currentuser.txt");

currentuser.open(QFile::ReadOnly | QFile::Text);

QTextStream in(&currentuser);

in>>username>>accid;

ui->currentuser\_lbl->setText(username);

currentuser.flush();

currentuser.close();

}

void Seats::datafromprev(){

QFile selectseat("G:/Degree/Sem3(1910)/TCP1201 - OOPDS/Assignment/FlightBookingSystem/b4selectseat.txt");

selectseat.open(QFile::ReadOnly | QFile::Text);

QTextStream in(&selectseat);

in>>departure>>arrival>>distance>>ticketprice>>flightnum>>gatenum>>date>>time>>flightstatus;

selectseat.flush();

selectseat.close();

}

Seats::~Seats()

{

delete ui;

}

void Seats::on\_confirm\_btn\_clicked()

{

if (seatclass == "BUSINESS"){

int ticketpriceint = ticketprice.split(" ")[0].toInt();

ticketpriceint = ticketpriceint + 200;

ticketprice = QString::number(ticketpriceint);

}

else{}

MainWindow m;

m.dbopened();

QString initstatus = "PENDING";

QSqlQuery qry;

qry.prepare("insert into bookingdata (acc\_id,flightnum,seat,seatclass,date,time,gate,departure,arrival,distance,flightstatus,ticketstatus,price)" "values ('"+accid+"','"+flightnum+"','"+seatselected+"','"+seatclass+"','"+date+"','"+time+"','"+gatenum+"','"+departure+"','"+arrival+"','"+distance+"','"+flightstatus+"','"+initstatus+"','"+ticketprice+"')");

if(qry.exec()){

QMessageBox::information(this,"Redirecting...","Registered Sucessfully!");

m.dbclosed();

hide();

MainWindow \*m;

m = new MainWindow(this);

m->show();

}

else{QMessageBox::information(this,"Redirecting...","ERROR!");}

}

void Seats::on\_A30\_clicked()

{

seatselected = "A30";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A29\_clicked()

{

seatselected = "A29";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A28\_clicked()

{

seatselected = "A28";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A27\_clicked()

{

seatselected = "A27";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A26\_clicked()

{

seatselected = "A26";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A25\_clicked()

{

seatselected = "A25";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A24\_clicked()

{

seatselected = "A24";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A23\_clicked()

{

seatselected = "A23";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A22\_clicked()

{

seatselected = "A22";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A21\_clicked()

{

seatselected = "A21";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A20\_clicked()

{

seatselected = "A20";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A19\_clicked()

{

seatselected = "A19";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A18\_clicked()

{

seatselected = "A18";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A17\_clicked()

{

seatselected = "A17";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A16\_clicked()

{

seatselected = "A16";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A15\_clicked()

{

seatselected = "A15";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A14\_clicked()

{

seatselected = "A14";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A13\_clicked()

{

seatselected = "A13";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A12\_clicked()

{

seatselected = "A12";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A11\_clicked()

{

seatselected = "A11";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A10\_clicked()

{

seatselected = "A10";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A09\_clicked()

{

seatselected = "A09";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A08\_clicked()

{

seatselected = "A08";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A07\_clicked()

{

seatselected = "A07";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A06\_clicked()

{

seatselected = "A06";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A05\_clicked()

{

seatselected = "A05";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A04\_clicked()

{

seatselected = "A04";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A03\_clicked()

{

seatselected = "A03";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A02\_clicked()

{

seatselected = "A02";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_A01\_clicked()

{

seatselected = "A01";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B30\_clicked()

{

seatselected = "B30";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B29\_clicked()

{

seatselected = "B29";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B28\_clicked()

{

seatselected = "B28";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B27\_clicked()

{

seatselected = "B27";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B26\_clicked()

{

seatselected = "B26";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B25\_clicked()

{

seatselected = "B25";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B24\_clicked()

{

seatselected = "B24";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B23\_clicked()

{

seatselected = "B23";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B22\_clicked()

{

seatselected = "B22";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B21\_clicked()

{

seatselected = "B21";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B20\_clicked()

{

seatselected = "B20";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B19\_clicked()

{

seatselected = "B19";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B18\_clicked()

{

seatselected = "B18";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B17\_clicked()

{

seatselected = "B17";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B16\_clicked()

{

seatselected = "B16";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B15\_clicked()

{

seatselected = "B15";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B14\_clicked()

{

seatselected = "B14";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B13\_clicked()

{

seatselected = "B13";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B12\_clicked()

{

seatselected = "B12";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B11\_clicked()

{

seatselected = "B11";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B10\_clicked()

{

seatselected = "B10";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B09\_clicked()

{

seatselected = "B09";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B08\_clicked()

{

seatselected = "B08";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B07\_clicked()

{

seatselected = "B07";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B06\_clicked()

{

seatselected = "B06";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B05\_clicked()

{

seatselected = "B05";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B04\_clicked()

{

seatselected = "B04";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B03\_clicked()

{

seatselected = "B03";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B02\_clicked()

{

seatselected = "B02";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_B01\_clicked()

{

seatselected = "B01";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C30\_clicked()

{

seatselected = "C30";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C29\_clicked()

{

seatselected = "C29";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C28\_clicked()

{

seatselected = "C28";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C27\_clicked()

{

seatselected = "C27";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C26\_clicked()

{

seatselected = "C26";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C25\_clicked()

{

seatselected = "C25";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C24\_clicked()

{

seatselected = "C24";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C23\_clicked()

{

seatselected = "C23";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C22\_clicked()

{

seatselected = "C22";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C21\_clicked()

{

seatselected = "C21";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C20\_clicked()

{

seatselected = "C20";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C19\_clicked()

{

seatselected = "C19";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C18\_clicked()

{

seatselected = "C18";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C17\_clicked()

{

seatselected = "C17";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C16\_clicked()

{

seatselected = "C16";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C15\_clicked()

{

seatselected = "C15";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C14\_clicked()

{

seatselected = "C14";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C13\_clicked()

{

seatselected = "C13";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C12\_clicked()

{

seatselected = "C12";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C11\_clicked()

{

seatselected = "C11";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C10\_clicked()

{

seatselected = "C10";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C09\_clicked()

{

seatselected = "C09";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C08\_clicked()

{

seatselected = "C08";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C07\_clicked()

{

seatselected = "C07";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C06\_clicked()

{

seatselected = "C06";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C05\_clicked()

{

seatselected = "C05";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C04\_clicked()

{

seatselected = "C04";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C03\_clicked()

{

seatselected = "C03";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C02\_clicked()

{

seatselected = "C02";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_C01\_clicked()

{

seatselected = "C01";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D30\_clicked()

{

seatselected = "D30";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D29\_clicked()

{

seatselected = "D29";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D28\_clicked()

{

seatselected = "D28";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D27\_clicked()

{

seatselected = "D27";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D26\_clicked()

{

seatselected = "D26";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D25\_clicked()

{

seatselected = "D25";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D24\_clicked()

{

seatselected = "D24";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D23\_clicked()

{

seatselected = "D23";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D22\_clicked()

{

seatselected = "D22";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D21\_clicked()

{

seatselected = "D21";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D20\_clicked()

{

seatselected = "D20";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D19\_clicked()

{

seatselected = "D19";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D18\_clicked()

{

seatselected = "D18";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D17\_clicked()

{

seatselected = "D17";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D16\_clicked()

{

seatselected = "D16";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D15\_clicked()

{

seatselected = "D15";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D14\_clicked()

{

seatselected = "D14";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D13\_clicked()

{

seatselected = "D13";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D12\_clicked()

{

seatselected = "D12";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D11\_clicked()

{

seatselected = "D11";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D10\_clicked()

{

seatselected = "D10";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D09\_clicked()

{

seatselected = "D09";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D08\_clicked()

{

seatselected = "D08";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D07\_clicked()

{

seatselected = "D07";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D06\_clicked()

{

seatselected = "D06";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D05\_clicked()

{

seatselected = "D05";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D04\_clicked()

{

seatselected = "D04";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D03\_clicked()

{

seatselected = "D03";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D02\_clicked()

{

seatselected = "D02";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_D01\_clicked()

{

seatselected = "D01";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E30\_clicked()

{

seatselected = "E30";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E29\_clicked()

{

seatselected = "E29";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E28\_clicked()

{

seatselected = "E28";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E27\_clicked()

{

seatselected = "E27";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E26\_clicked()

{

seatselected = "E26";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E25\_clicked()

{

seatselected = "E25";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E24\_clicked()

{

seatselected = "E24";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E23\_clicked()

{

seatselected = "E23";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E22\_clicked()

{

seatselected = "E22";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E21\_clicked()

{

seatselected = "E21";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E20\_clicked()

{

seatselected = "E20";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E19\_clicked()

{

seatselected = "E19";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E18\_clicked()

{

seatselected = "E18";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E17\_clicked()

{

seatselected = "E17";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E16\_clicked()

{

seatselected = "E16";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E15\_clicked()

{

seatselected = "E15";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E14\_clicked()

{

seatselected = "E14";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E13\_clicked()

{

seatselected = "E13";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E12\_clicked()

{

seatselected = "E12";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E11\_clicked()

{

seatselected = "E11";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E10\_clicked()

{

seatselected = "E10";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E09\_clicked()

{

seatselected = "E09";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E08\_clicked()

{

seatselected = "E08";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E07\_clicked()

{

seatselected = "E07";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E06\_clicked()

{

seatselected = "E06";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E05\_clicked()

{

seatselected = "E05";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E04\_clicked()

{

seatselected = "E04";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E03\_clicked()

{

seatselected = "E03";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E02\_clicked()

{

seatselected = "E02";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_E01\_clicked()

{

seatselected = "E01";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_F30\_clicked()

{

seatselected = "F30";

seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_F29\_clicked()

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ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_F28\_clicked()

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seatclass = "ECONOMY";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_F27\_clicked()

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}

void Seats::on\_F26\_clicked()

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seatselected = "F26";

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}

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ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_F23\_clicked()

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ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_F22\_clicked()

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ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_F21\_clicked()

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}

void Seats::on\_F20\_clicked()

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ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_F19\_clicked()

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}

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}

void Seats::on\_F17\_clicked()

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}

void Seats::on\_F16\_clicked()

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}

void Seats::on\_F15\_clicked()

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}

void Seats::on\_F11\_clicked()

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}

void Seats::on\_F10\_clicked()

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}

void Seats::on\_F09\_clicked()

{

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}

void Seats::on\_F08\_clicked()

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void Seats::on\_F07\_clicked()

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}

void Seats::on\_F06\_clicked()

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}

void Seats::on\_F05\_clicked()

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}

void Seats::on\_F04\_clicked()

{

seatselected = "F04";

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ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_F03\_clicked()

{

seatselected = "F03";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_F02\_clicked()

{

seatselected = "F02";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_F01\_clicked()

{

seatselected = "F01";

seatclass = "BUSINESS";

ui->seattype->setText(seatclass);

ui->seatselectedlbl->setText(seatselected);

}

void Seats::on\_buttonreturn\_clicked()

{

hide();

Calendar \*c;

c = new Calendar(this);

c->show();

}

void Seats::on\_buttonmainmenu\_clicked()

{

hide();

mainmenu \*menu;

menu = new mainmenu(this);

menu->show();

}

SEATS (HTML file)

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<ui version="4.0">

<class>Seats</class>

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<y>0</y>

<width>800</width>

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<y>580</y>

<width>781</width>

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LIMITATION OF THE PROGRAM

- If too much memory is consumed by the CPU, the program will directly crashed.

- Sometimes it takes a while when saving data into the database, but it would looked like the program is already crashed, it’s actually not.

CONCLUSION

In a nutshell, I learned a lot while using QT to do this assignment, especially this is the first time so focusing on studying documentations. Although I didn’t implement much data structures in this program, but it also works as a charm. At least, this is an achievement to me.