**SMARTCITY GUIDE MANAGEMENT**

**A Mini Project Report**

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***in partial fulfillment of the requirements***

***for the award of the degree***

***of***

**BACHELOR OF ENGINEERING**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

****

**KONGU ENGINEERING COLLEGE**

**(Autonomous)**

**PERUNDURAI ERODE-638060**

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**KONGU ENGINEERING COLLEGE**

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**DECEMBER 2022**

**BONAFIDE CERTIFICATE**

This is to certify that the Project Report entitled **SMARTCITY GUIDE MANAGEMENT** is the bonafide record of project work done by **SANKEERTHAN S (Register no: 21CDR042), SANJITH R K (Register no: 21CDR041), TAMILARASAN U (Register no: 21CDR053) SOGIL MURUGAN (Register no: 21CDR049)** in partial fulfillment of the requirements for the award of the Degree of Bachelor of Engineering in **Computer Science and Design** of Anna University, Chennai during the year 2022-2023.

**COURSE INSTRUCTOR HEAD OF THE DEPARTMENT**

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**ABSTRACT**

Tourists and even general people travel from one place to another in order to explore or for employment purposes but before they explore, they want to get an insight data about the place. So, to help them with this, a simple city project can be the best guide for them. It is a web-based application written in Java which basically guides you about the place you’re going to visit. You can access all the details of the city. In this application, users need to sign up by entering input details and then can access all the required details of the city. It contains various modules like admin, tourism, business, and student wherein users can switch to the module as per the requirement. It stores details of a city and displays information about the city such as hotels, shopping marts, restaurants, tourist places, transportation modes, and also some general info. This acts as a guide to the new visitors.

**CHAPTER 1**

**JAVAFX**

1. **INTRODCUTION**

JavaFX provides a rich set of graphics and media API’s and it

leverages the modern Graphical Processing Unit through hardware

accelerated graphics. JavaFX also provides interfaces using which

developers can combine graphics animation and UI control.

JavaFX is an open-source web platform that enables developers

to create modern user interfaces for desktop, mobile, and browser

applications. Java Swing is a GUI toolkit for Java, originally designed

by Sun Microsystems.

1. **LIFECYCLE OF JAVAFX APPLICATION**

import javafx.application.Application;

import javafx.scene.Group;

import javafx.scene.Scene;

import javafx.scene.shape.Circle;

import javafx.stage.Stage;

public class MyApp extends Application {

public void start(Stage stage) {

Circle circ = new Circle(40, 40, 30);

Group root = new Group(circ);

Scene scene = new Scene(root, 400, 300);

stage.setTitle(&quot;My JavaFX Application&quot;);

stage.setScene(scene);

stage.show();

}

}

1. **JAVAFX PACKAGES AND UI COMPONENTS**

JAVAFX PACKAGES Description

javafx.animation Provides the set of classes for ease of use

transition based animations.

javafx.beans.binding Characteristics of Bindings

javafx.beans.property The

package javafx.beans.property defines

read-only properties and writable properties,

plus a number of implementations.

javafx.collections Contains the essential JavaFX collections and

collection utilities

javafx.concurrent Provides the set of classes for javafx.task.

javafx.css Provides API for making properties styleable via

CSS and for supporting pseudo-class state.

javafx.fxml Contains classes for loading an object hierarchy

from markup.

javafx.scene Provides the core set of base classes for the

JavaFX Scene Graph API.

javafx.scene.chart The JavaFX User Interface provides a set of

chart components that are a very convenient way

for data visualization.

javafx.scene.control The JavaFX User Interface Controls (UI Controls

or just Controls) are specialized Nodes in the

JavaFX Scenegraph especially suited for reuse in

many different application contexts.

javafx.scene.control.cell The javafx.scene.control.cell package

is where all cell-related classes are located, other

than the core classes such

as Cell, IndexedCell, ListCell, TreeCell,

and TableCell.

javafx.scene.media Provides the set of classes for integrating audio

and video into Java FX Applications.

javafx.scene.web This package provides means for loading and

displaying Web content.

javafx.util Contains various utilities and helper classes.

javafx.util.converter

**CHAPTER 2**

**MODULES DESCRIPTION**

1. **INTRODCUTION**

**A smart city uses information and communication technology (ICT) to improve operational efficiency, share information with the public and provide a better quality of government service and citizen welfare.**

The main goal of a smart city is to optimise city functions and promote economic growth while also improving the quality of life for citizens by using smart technologies and data analysis. The value lies in how this technology is used rather than simply how much technology is available.

1. **DATABASE CREATION**

What enables a smart city to **optimize resources, improve the quality of life of its inhabitants and create sustainable economic development** is the massive amount data available. All this data needs to be processed and is part of the components of an analytical ecosystem capable of integrating, analyzing, and sharing data in real time. **Data is the backbone of a smart city**.

Smart cities require intelligent data management that shares information, enables application developers to create new products and uses analytics to improve the systems that form the foundation of a smart city.

Smart cities must integrate data from all available sources. **The goal of the Smart City is to break down the data silos** to bring all the data together for rich, robust analytic insights that enable more accurate reporting.

**CHAPTER 2**

**CONCLUSION**

Creating smart connected systems for our urban areas provides a great many benefits for citizens around the world, not only to improve quality of life, but also to ensure sustainability  and the best possible use of resources.

These solutions are dependent on a unified approach from government as well as the private sector and residents themselves. With the correct support and infrastructure, however, smart cities can use advances such as the Internet of Things to enhance the lives of residents and create joined-up living solutions for the growing global urban citizenry.

**APPENDIX**

package application;  
  
import javafx.event.ActionEvent;  
import javafx.event.EventHandler;  
import javafx.application.Application;  
import javafx.geometry.Pos;  
import javafx.scene.Scene;  
import javafx.scene.control.\*;  
import javafx.scene.image.Image;  
import javafx.scene.layout.\*;  
import javafx.scene.paint.Color;  
import javafx.scene.text.Font;  
import javafx.scene.text.FontPosture;  
import javafx.scene.text.FontWeight;  
import javafx.scene.text.Text;  
import javafx.stage.Stage;  
import javafx.geometry.Side;  
  
import java.io.FileInputStream;  
import java.io.IOException;  
  
public class Main extends Application {  
    Stage stage;  
    String u ="SMARTGUIDE",pw="123",checku,checkp;  
    int bal=10000,wd,dp,i;  
     
    @Override  
    public void start(Stage primarystage) throws IOException {  
        stage = primarystage;  
        Scene scene = LoginScene();  
        stage.setTitle("Hello!");  
        stage.setMaximized(true);  
        stage.setScene(scene);  
        stage.show();  
        System.out.printf(stage.widthProperty()+" "+stage.heightProperty());  
  
    }  
    Scene LoginScene(){  
        BorderPane bp = new BorderPane();  
        GridPane gp = new GridPane();  
  
        //label  
        Label ln1 = new Label("WELCOME TO SMARTCITY GUIDE");  
        ln1.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 40));  
        Label lna = new Label("UserName:");  
        lna.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        Label lpass = new Label("Password:");  
        lpass.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        //Label llas = new Label("Login As:");  
        //llas.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
        Label lpass2 = new Label("Password:");  
        lpass2.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        Label Lo = new Label("Login");  
        Lo.setTextFill(Color.WHITE);  
        Lo.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 40));  
  
        Button b1 = new Button("Login");  
        b1.setAlignment(Pos.CENTER);  
        b1.setMinSize(200,50);  
        b1.setTextFill(Color.WHITE);  
        b1.setStyle("-fx-background-color: #47AB11");  
  
        Label t1 = new Label("No account- click here to register");  
        t1.setTextFill(Color.BLUE);  
  
        //textfields  
        TextField tna = new TextField();  
        tna.setFont(Font.font("verdana", FontPosture.REGULAR, 20));  
        tna.setPromptText("Name");  
  
        //passwordfield  
        PasswordField pf = new PasswordField();  
        pf.setPromptText("Password");  
        pf.setFont(Font.font("verdana", FontPosture.REGULAR, 20));  
         
        Label lblmessage = new Label();  
        lblmessage.setFont(Font.font("verdana", FontPosture.REGULAR, 30));  
  
        //ComboBox cb = new ComboBox();  
        //cb.getItems().addAll("Admin","student");  
        //cb.setStyle("-fx-font-size: 20");  
        //cb.setMinWidth(260);  
        PasswordField cb = new PasswordField();  
        cb.setPromptText("Password");  
        cb.setFont(Font.font("verdana", FontPosture.REGULAR, 20));  
  
        VBox vb = new VBox();  
        vb.getChildren().addAll(Lo, gp,b1,t1);  
        vb.setAlignment(Pos.CENTER);  
        vb.setSpacing(20);  
  
        gp.setHgap(20);  
        gp.setVgap(20);  
        gp.addRow(0,ln1);  
        gp.addRow(3,lna, tna);  
        //gp.addRow(3,lpass2,cb);  
        gp.addRow(4,lpass, pf);  
        gp.addRow(5,lblmessage);  
        gp.setAlignment(Pos.TOP\_CENTER);  
  
        bp.setCenter(vb);  
        bp.setAlignment(vb, Pos.TOP\_CENTER);  
        Image image = null;  
        try {  
            FileInputStream file = new FileInputStream("C:/Users/Sankeerth Krishna/Recent/ssss.lnk");  
            image = new Image(file);  
        }catch (Exception e){  
             
        }  
        Background background = new Background(new BackgroundImage(image,BackgroundRepeat.REPEAT,BackgroundRepeat.NO\_REPEAT,new BackgroundPosition(Side.LEFT,0,true,Side.BOTTOM,0,true),new BackgroundSize(BackgroundSize.AUTO,BackgroundSize.AUTO,true,true,false,true)));  
        bp.setBackground(background);  
        b1.setOnAction(new EventHandler<ActionEvent>() {  
         public void handle(ActionEvent event) {  
          checku=tna.getText().toString();  
                checkp=pf.getText().toString();  
                if(checku.equals(u) && checkp.equals(pw)) {  
                 lblmessage.setText("Congratulations !");  
                 lblmessage.setTextFill(Color.GREEN);  
                 b1.setOnMouseClicked(e->switchScenes(homeScene()));  
                }  
                else {  
                 lblmessage.setText("Incorrect Credentials");  
                 lblmessage.setTextFill(Color.RED);  
                }  
                pf.setText("");  
                tna.setText("");  
         }  
           
         });  
         
         
         
        t1.setOnMouseClicked(e->switchScenes(registerScene()));  
        Scene scene = new Scene(bp, 1550.4000244140625, 830.4000244140625);  
        return scene;  
         
        //t1.setOnMouseClicked(e->switchScenes(registerScene()));  
        //Scene scene1 = new Scene(bp, 960, 540);  
        //return scene1;  
    }  
  
    Scene registerScene(){  
        BorderPane bp = new BorderPane();  
        GridPane gp = new GridPane();  
  
        Label lna = new Label("UserName:");  
        lna.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        Label lpass = new Label("Password:");  
        lpass.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        Label lemail = new Label("Email:");  
        lemail.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        Label llas = new Label("Confirm Password:");  
        llas.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        Label Lo = new Label("Register");  
        Lo.setTextFill(Color.WHITE);  
        Lo.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 40));  
         
        Label lna1 = new Label("Account No:");  
        lna1.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
  
        Button b1 = new Button("Sign In");  
        b1.setAlignment(Pos.CENTER);  
        b1.setMinSize(200,50);  
        b1.setTextFill(Color.WHITE);  
        b1.setStyle("-fx-background-color: #47AB11");  
  
        Label t1 = new Label("Already Registered - click to Login");  
        t1.setTextFill(Color.BLUE);  
  
        //textfields  
        TextField tna = new TextField();  
        tna.setFont(Font.font("verdana", FontPosture.REGULAR, 20));  
        tna.setPromptText("Name");  
         
        TextField tna1 = new TextField();  
        tna1.setFont(Font.font("verdana", FontPosture.REGULAR, 20));  
        tna1.setPromptText("XXXX XXXX XXXX XXXX");  
         
        TextField tn2 = new TextField();  
        tn2.setFont(Font.font("verdana", FontPosture.REGULAR, 20));  
        tn2.setPromptText("[example@gmail.com](mailto:example@gmail.com)");  
  
        //passwordfield  
        PasswordField pf = new PasswordField();  
        pf.setPromptText("re-Enter Password");  
        pf.setFont(Font.font("verdana", FontPosture.REGULAR, 20));  
  
        PasswordField cb = new PasswordField();  
        cb.setPromptText("Password");  
        cb.setFont(Font.font("verdana", FontPosture.REGULAR, 20));  
        Label lblmessage = new Label();  
        lblmessage.setFont(Font.font("verdana", FontPosture.REGULAR, 30));  
  
        VBox vb = new VBox();  
        vb.getChildren().addAll(Lo, gp,b1,t1);  
        vb.setAlignment(Pos.CENTER);  
        vb.setSpacing(20);  
  
        gp.setHgap(20);  
        gp.setVgap(20);  
        gp.addRow(0,lna1,tna1);  
        gp.addRow(1,lna, tna);  
        gp.addRow(2,lemail,tn2);  
        gp.addRow(3,lpass,cb );  
        gp.addRow(4,llas, pf);  
        gp.addRow(5, lblmessage);  
        gp.setAlignment(Pos.TOP\_CENTER);  
  
        bp.setCenter(vb);  
        bp.setAlignment(vb, Pos.TOP\_CENTER);  
        Image image = null;  
        try {  
            FileInputStream file = new FileInputStream("C:/Users/Sankeerth Krishna/Recent/ssss.lnk");  
            image = new Image(file);  
        }catch (Exception e){  
  
        }  
        Background background = new Background(new BackgroundImage(image,BackgroundRepeat.REPEAT,BackgroundRepeat.NO\_REPEAT,new BackgroundPosition(Side.LEFT,0,true,Side.BOTTOM,0,true),new BackgroundSize(BackgroundSize.AUTO,BackgroundSize.AUTO,true,true,false,true)));  
        bp.setBackground(background);  
        //Scene scene1 = new Scene(bp, 1550.4000244140625, 830.4000244140625);  
        //return scene1;  
        t1.setOnMouseClicked(e->switchScenes(LoginScene()));  
        b1.setOnAction(new EventHandler<ActionEvent>() {  
         public void handle(ActionEvent event) {  
          checku=cb.getText().toString();  
                checkp=pf.getText().toString();  
                if(checku.equals(checkp)) {  
                 lblmessage.setText("Congratulations !");  
                 lblmessage.setTextFill(Color.GREEN);  
                 b1.setOnMouseClicked(e->switchScenes(homeScene()));  
                }  
                else if(checku.equals(null)) {  
                 lblmessage.setText("Password cannot be empty");  
                 lblmessage.setTextFill(Color.RED);  
                }  
                else {  
                 lblmessage.setText("Incorrect password");  
                 lblmessage.setTextFill(Color.RED);  
                }  
                pf.setText("");  
                cb.setText("");  
         }  
           
         });  
         
        Scene scene = new Scene(bp, 1550.4000244140625, 830.4000244140625);  
        return scene;  
    }  
    public void switchScenes1(Scene scene1){  
        stage.setMaximized(true);  
        stage.setScene(scene1);  
    }  
    Scene homeScene(){  
        BorderPane bp = new BorderPane();  
        GridPane gp = new GridPane();  
  
        //label  
        Label lna = new Label("Update Place ->");  
        lna.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        Label lpass = new Label("Search Places ->");  
        lpass.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        Label lemail = new Label("Locate My Nearby Place ->");  
        lemail.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        //Label ll = new Label(" ");  
        //ll.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        Label L1 = new Label("HOME");  
        //Lo.setTextFill(Color.WHITE);  
        L1.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 50));  
  
        Button b1 = new Button("ADD");  
        Button b2 = new Button("SEARCH");  
        Button b3 = new Button("LOCATE ME");  
        Button b5 = new Button("LOGOUT");  
        Button b4 = new Button("Exit");  
        //b1.setAlignment(Pos.CENTER);  
        b1.setMinSize(200,50);  
        b1.setTextFill(Color.WHITE);  
        b1.setStyle("-fx-background-color: #00008B");  
         
        b2.setMinSize(200,50);  
        b2.setTextFill(Color.WHITE);  
        b2.setStyle("-fx-background-color: #00008B");  
         
        b3.setMinSize(200,50);  
        b3.setTextFill(Color.WHITE);  
        b3.setStyle("-fx-background-color: #00008B");  
         
        b4.setMinSize(200,50);  
        b4.setTextFill(Color.WHITE);  
        b4.setStyle("-fx-background-color: #FFA500");  
         
        b5.setMinSize(200,50);  
        b5.setTextFill(Color.WHITE);  
        b5.setStyle("-fx-background-color: #FFA500");  
  
  
        VBox vb = new VBox();  
        vb.getChildren().addAll( gp,b1);  
        vb.setAlignment(Pos.CENTER);  
        vb.setSpacing(20);  
  
        gp.setHgap(20);  
        gp.setVgap(20);  
        gp.addRow(0,L1);  
        gp.addRow(2,lna, b1);  
        gp.addRow(3,lpass,b2);  
        gp.addRow(4,lemail,b3);  
        gp.addRow(5,b5,b4);  
        gp.setAlignment(Pos.TOP\_CENTER);  
  
        bp.setCenter(vb);  
        bp.setAlignment(vb, Pos.TOP\_CENTER);  
        Image image = null;  
        try {  
            FileInputStream file = new FileInputStream("C:/Users/Sankeerth Krishna/Recent/ssss.lnk");  
            image = new Image(file);  
        }catch (Exception e){  
  
        }  
        Background background =new Background(new BackgroundImage(image,BackgroundRepeat.REPEAT,BackgroundRepeat.NO\_REPEAT,new BackgroundPosition(Side.LEFT,0,true,Side.BOTTOM,0,true),new BackgroundSize(BackgroundSize.AUTO,BackgroundSize.AUTO,true,true,false,true)));  
        bp.setBackground(background);  
        //Scene scene1 = new Scene(bp, 1550.4000244140625, 830.4000244140625);  
        //return scene;  
        b2.setOnMouseClicked(e->switchScenes(depositScene()));  
        b1.setOnMouseClicked(e->switchScenes(withdrawScene()));  
        b3.setOnMouseClicked(e->switchScenes(BalScene()));  
        b5.setOnMouseClicked(e->switchScenes(LoginScene()));  
        b4.setOnMouseClicked(e->switchScenes(exitScene()));  
        Scene scene = new Scene(bp, 1550.4000244140625, 830.4000244140625);  
        return scene;  
    }  
    public void switchScenes(Scene scene){  
        stage.setMaximized(true);  
        stage.setScene(scene);  
    }  
    Scene withdrawScene(){  
        BorderPane bp = new BorderPane();  
        GridPane gp = new GridPane();  
  
        //label  
        Label lna = new Label("ENTER THE PLACE NAME ");  
        lna.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
         
        TextField tna = new TextField();  
        tna.setFont(Font.font("verdana", FontPosture.REGULAR, 20));  
        tna.setPromptText("PLACE NAME");  
  
        //Label lpass = new Label("Cash Deposit ->");  
        //lpass.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        //Label lemail = new Label("Check balance ->");  
        //lemail.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        //Label ll = new Label(" ");  
        //ll.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        Label L1 = new Label("ADD NEW PLACE");  
        //Lo.setTextFill(Color.WHITE);  
        L1.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 50));  
         
        Label lblmessage = new Label();  
        lblmessage.setFont(Font.font("verdana", FontPosture.REGULAR, 30));  
  
  
        Button b1 = new Button("CONFIRM");  
        Button b2 = new Button("HOME");  
        Button b3 = new Button("EXIT");  
        //Button b4 = new Button("Exit");  
        //b1.setAlignment(Pos.CENTER);  
        b1.setMinSize(200,50);  
        b1.setTextFill(Color.WHITE);  
        b1.setStyle("-fx-background-color: #00008B");  
         
        b2.setMinSize(200,50);  
        b2.setTextFill(Color.WHITE);  
        b2.setStyle("-fx-background-color: #00008B");  
         
        b3.setMinSize(200,50);  
        b3.setTextFill(Color.WHITE);  
        b3.setStyle("-fx-background-color: #FFA500");  
         
        //b4.setMinSize(200,50);  
        //b4.setTextFill(Color.WHITE);  
       // b4.setStyle("-fx-background-color: #FFA500");  
  
  
        VBox vb = new VBox();  
        vb.getChildren().addAll( gp,b1);  
        vb.setAlignment(Pos.CENTER);  
        vb.setSpacing(20);  
  
        gp.setHgap(20);  
        gp.setVgap(20);  
        gp.addRow(0,L1);  
        gp.addRow(2,lna,tna);  
        gp.addRow(3,b1);  
        gp.addRow(4,b2);  
        gp.addRow(5,b3);  
        gp.addRow(6, lblmessage);  
        gp.setAlignment(Pos.TOP\_CENTER);  
  
        bp.setCenter(vb);  
        bp.setAlignment(vb, Pos.TOP\_CENTER);  
        Image image = null;  
        try {  
            FileInputStream file = new FileInputStream("C:/Users/Sankeerth Krishna/Recent/ssss.lnk");  
            image = new Image(file);  
        }catch (Exception e){  
  
        }  
        Background background = new Background(new BackgroundImage(image,BackgroundRepeat.REPEAT,BackgroundRepeat.NO\_REPEAT,new BackgroundPosition(Side.LEFT,0,true,Side.BOTTOM,0,true),new BackgroundSize(BackgroundSize.AUTO,BackgroundSize.AUTO,true,true,false,true)));  
        bp.setBackground(background);  
        b1.setOnAction(new EventHandler<ActionEvent>() {  
         public void handle(ActionEvent event) {  
          i = Integer.parseInt(tna.getText());  
                if(bal>=i) {  
                 lblmessage.setText("Congratulations !");  
                 lblmessage.setTextFill(Color.GREEN);  
                 bal=bal-i;  
                 b1.setOnMouseClicked(e->switchScenes(homeScene()));  
                }  
                else {  
                 lblmessage.setText("Insufficient Balance");  
                 lblmessage.setTextFill(Color.RED);  
                }  
                tna.setText("");  
         }  
           
         });  
         
         
        b2.setOnMouseClicked(e->switchScenes(homeScene()));  
        b3.setOnMouseClicked(e->switchScenes(exitScene()));  
        Scene scene = new Scene(bp, 1550.4000244140625, 830.4000244140625);  
        return scene;  
        //Scene scene = new Scene(bp, 1550.4000244140625, 830.4000244140625);  
        //return scene;  
    }  
    //public void switchScenes(Scene scene){  
        //stage.setMaximized(true);  
        //stage.setScene(scene);  
    //}  
    Scene depositScene(){  
        BorderPane bp = new BorderPane();  
        GridPane gp = new GridPane();  
  
        //label  
        Label lna = new Label("");  
        lna.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
         
        TextField tna = new TextField();  
        tna.setFont(Font.font("verdana", FontPosture.REGULAR, 20));  
        tna.setPromptText("GPS");  
  
        //Label lpass = new Label("Cash Deposit ->");  
        //lpass.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        //Label lemail = new Label("Check balance ->");  
        //lemail.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        //Label ll = new Label(" ");  
        //ll.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
  
        Label L1 = new Label("LOCATE ME");  
        //Lo.setTextFill(Color.WHITE);  
        L1.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 50));  
        Label lblmessage = new Label();  
        lblmessage.setFont(Font.font("verdana", FontPosture.REGULAR, 30));  
  
        Button b1 = new Button("CONFIRM");  
        Button b2 = new Button("HOME");  
        Button b3 = new Button("EXIT");  
        //Button b4 = new Button("Exit");  
        //b1.setAlignment(Pos.CENTER);  
        b1.setMinSize(200,50);  
        b1.setTextFill(Color.WHITE);  
        b1.setStyle("-fx-background-color: #00008B");  
         
        b2.setMinSize(200,50);  
        b2.setTextFill(Color.WHITE);  
        b2.setStyle("-fx-background-color: #00008B");  
         
        b3.setMinSize(200,50);  
        b3.setTextFill(Color.WHITE);  
        b3.setStyle("-fx-background-color: #FFA500");  
         
        //b4.setMinSize(200,50);  
        //b4.setTextFill(Color.WHITE);  
       // b4.setStyle("-fx-background-color: #FFA500");  
  
  
        VBox vb = new VBox();  
        vb.getChildren().addAll( gp,b1);  
        vb.setAlignment(Pos.CENTER);  
        vb.setSpacing(20);  
  
        gp.setHgap(20);  
        gp.setVgap(20);  
        gp.addRow(0,L1);  
        gp.addRow(2,lna,tna);  
        gp.addRow(3,b1);  
        gp.addRow(4,b2);  
        gp.addRow(5,b3);  
        gp.addRow(6, lblmessage);  
        gp.setAlignment(Pos.TOP\_CENTER);  
  
        bp.setCenter(vb);  
        bp.setAlignment(vb, Pos.TOP\_CENTER);  
        Image image = null;  
        try {  
            FileInputStream file = new FileInputStream("C:/Users/Sankeerth Krishna/Recent/ssss.lnk");  
            image = new Image(file);  
        }catch (Exception e){  
  
        }  
        Background background = new Background(new BackgroundImage(image,BackgroundRepeat.REPEAT,BackgroundRepeat.NO\_REPEAT,new BackgroundPosition(Side.LEFT,0,true,Side.BOTTOM,0,true),new BackgroundSize(BackgroundSize.AUTO,BackgroundSize.AUTO,true,true,false,true)));  
        bp.setBackground(background);  
        b1.setOnAction(new EventHandler<ActionEvent>() {  
         public void handle(ActionEvent event) {  
          i = Integer.parseInt(tna.getText());  
                if(i>=0) {  
                 lblmessage.setText("Deposited!");  
                 lblmessage.setTextFill(Color.GREEN);  
                 bal=bal+i;  
                 b1.setOnMouseClicked(e->switchScenes(homeScene()));  
                }  
                else {  
                 lblmessage.setText("Invalid input");  
                 lblmessage.setTextFill(Color.RED);  
                }  
                tna.setText("");  
         }  
           
         });  
        b2.setOnMouseClicked(e->switchScenes(homeScene()));  
        b3.setOnMouseClicked(e->switchScenes(exitScene()));  
        Scene scene = new Scene(bp, 1550.4000244140625, 830.4000244140625);  
        return scene;  
        //Scene scene = new Scene(bp, 1550.4000244140625, 830.4000244140625);  
        //return scene;  
    }  
     
    Scene BalScene() {  
     BorderPane bp = new BorderPane();  
        GridPane gp = new GridPane();  
  
        Label lna = new Label("NEARBY PLACE= ");  
        lna.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
        Label L1 = new Label(checku);  
        L1.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
        Label L2= new Label("PERUNDURAI");  
        L2.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 20));  
         
        Button b2 = new Button("HOME");  
        Button b1 = new Button("EXIT");  
         
        b2.setMinSize(200,50);  
        b2.setTextFill(Color.WHITE);  
        b2.setStyle("-fx-background-color: #00008B");  
        b1.setMinSize(200,50);  
        b1.setTextFill(Color.WHITE);  
        b1.setStyle("-fx-background-color: #FFA500");  
        VBox vb = new VBox();  
        vb.getChildren().addAll( gp,b2);  
        vb.setAlignment(Pos.CENTER);  
        vb.setSpacing(20);  
  
        gp.setHgap(20);  
        gp.setVgap(20);  
        gp.addRow(0,L1);  
        gp.addRow(2,lna,L2);  
       
        gp.addRow(4,b2);  
        gp.addRow(5,b1);  
        gp.setAlignment(Pos.TOP\_CENTER);  
  
        bp.setCenter(vb);  
        bp.setAlignment(vb, Pos.TOP\_CENTER);  
        Image image = null;  
        try {  
            FileInputStream file = new FileInputStream("C:/Users/Sankeerth Krishna/Recent/ssss.lnk");  
            image = new Image(file);  
        }catch (Exception e){  
  
        }  
        Background background = new Background(new BackgroundImage(image,BackgroundRepeat.REPEAT,BackgroundRepeat.NO\_REPEAT,new BackgroundPosition(Side.LEFT,0,true,Side.BOTTOM,0,true),new BackgroundSize(BackgroundSize.AUTO,BackgroundSize.AUTO,true,true,false,true)));  
        bp.setBackground(background);  
        b2.setOnMouseClicked(e->switchScenes(homeScene()));  
        b1.setOnMouseClicked(e->switchScenes(exitScene()));  
        Scene scene = new Scene(bp, 1550.4000244140625, 830.4000244140625);  
        return scene;  
          
  
    }  
    Scene exitScene(){  
        BorderPane bp = new BorderPane();  
        GridPane gp = new GridPane();  
  
        Label L1 = new Label("THANK YOU");  
        //Lo.setTextFill(Color.WHITE);  
        L1.setFont(Font.font("verdana", FontWeight.BOLD, FontPosture.REGULAR, 50));  
  
  
        VBox vb = new VBox();  
        vb.getChildren().addAll( gp);  
        vb.setAlignment(Pos.CENTER);  
        vb.setSpacing(20);  
  
        gp.setHgap(20);  
        gp.setVgap(20);  
        gp.addRow(0,L1);  
        gp.setAlignment(Pos.TOP\_CENTER);  
  
        bp.setCenter(vb);  
        bp.setAlignment(vb, Pos.TOP\_CENTER);  
        Image image = null;  
        try {  
            FileInputStream file = new FileInputStream("C:/Users/Sankeerth Krishna/Recent/ssss.lnk");  
            image = new Image(file);  
        }catch (Exception e){  
  
        }  
        Background background = new Background(new BackgroundImage(image,BackgroundRepeat.REPEAT,BackgroundRepeat.NO\_REPEAT,new BackgroundPosition(Side.LEFT,0,true,Side.BOTTOM,0,true),new BackgroundSize(BackgroundSize.AUTO,BackgroundSize.AUTO,true,true,false,true)));  
        Scene scene = new Scene(bp, 1550.4000244140625, 830.4000244140625);  
        return scene;  
        //Scene scene = new Scene(bp, 1550.4000244140625, 830.4000244140625);  
        //return scene;  
    }  
  
  
  
  
    public static void main(String[] args) {  
        launch();  
    }  
}