**Hospital Management System**

**About the Project-**

The idea of the project revolves around how doctors and patients can be connected to each other without having a face-to-face appointment which in today’s scenario is considered somewhat dangerous as many patients who go for a visit to doctor’s clinic have a high chance of contracting the coronavirus. We feel that our software can prove to be useful in places where the coronavirus is on the loose and our software could help people to stay at home and get the medical assistance they need at their homes itself.

**Contributors-**

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**Github-**

<https://github.com/KingSlayer08/Hospital-Management-System/>

**SCREENS**

**Login :**

package Screens;

import FileUtils.CurrentUser;

import FileUtils.PatientFile;

import FileUtils.DoctorFile;

import javafx.application.Application;

import javafx.scene.Scene;

import javafx.scene.control.Button;

import javafx.scene.control.Label;

import javafx.scene.control.PasswordField;

import javafx.scene.control.TextField;

import javafx.stage.Stage;

import javafx.scene.layout.GridPane;

import javafx.scene.image.\*;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import javafx.geometry.Pos;

import javafx.scene.paint.Color;

import javafx.beans.value.ChangeListener;

import javafx.scene.control.RadioButton;

import javafx.scene.control.ToggleGroup;

import javafx.scene.control.\*;

import javafx.beans.value.\*;

import java.lang.String;

import javafx.scene.layout.VBox;

import javafx.scene.layout.HBox;

import javafx.scene.input.MouseEvent;

import javafx.event.EventHandler;

import javafx.scene.control.Alert;

import javafx.scene.control.Alert.AlertType;

public class Login extends Application  {

    @Override

    public void start(Stage primaryStage) throws FileNotFoundException{

        VBox vbox = new VBox(3);

        vbox.setAlignment(Pos.TOP\_CENTER);

        vbox.setSpacing(150);

        vbox.setStyle("-fx-background-color: LIGHTBLUE;");

        HBox hbox = new HBox();

        hbox.setAlignment(Pos.CENTER);

        hbox.setSpacing(10);

        ToggleGroup role = new ToggleGroup();

        RadioButton doctor = new RadioButton("Doctor");

        doctor.setToggleGroup(role);

        RadioButton patient = new RadioButton("Patient");

        patient.setToggleGroup(role);

        role.selectToggle(patient);

        Label heading = new Label("Hospital Management System");

        heading.setStyle("-fx-font: normal bold 20px 'arial' ");

        heading.setAlignment(Pos.CENTER);

        Label register = new Label("Not a user yet? Register");

        register.setUnderline(true);

        TextField user\_field = new TextField();

        user\_field.setPromptText("Username");

        PasswordField pass\_field = new PasswordField();

        pass\_field.setPromptText("Password");

        Button login = new Button("Login");

        FileInputStream inputstream1 = new FileInputStream("Images/user.png");

        Image user\_img = new Image(inputstream1);

        ImageView user\_imv = new ImageView(user\_img);

        user\_imv.setFitHeight(30);

        user\_imv.setFitWidth(20);

        FileInputStream inputstream2 = new FileInputStream("Images/lock.png");

        Image pass\_img = new Image(inputstream2);

        ImageView pass\_imv = new ImageView(pass\_img);

        pass\_imv.setFitHeight(30);

        pass\_imv.setFitWidth(20);

        GridPane gridPane = new GridPane();

        gridPane.setMinSize(300, 300);

        GridPane gp1 = new GridPane();

        gp1.setAlignment(Pos.CENTER);

        gp1.add(doctor, 0, 0);

        gp1.add(patient, 1, 0);

        gp1.setHgap(7);

        gp1.setStyle("-fx-background-color: LIGHTSKYBLUE;");

        gridPane.setVgap(7);

        gridPane.setHgap(7);

        gridPane.setAlignment(Pos.CENTER);

        gridPane.add(gp1, 1, 0);

        gridPane.add(user\_imv, 0, 1);

        gridPane.add(user\_field, 1, 1);

        gridPane.add(pass\_imv, 0, 2);

        gridPane.add(pass\_field, 1, 2);

        gridPane.add(login, 1, 3);

        gridPane.add(register, 1, 4);

        gridPane.setStyle("-fx-background-color: WHITE;");

        hbox.getChildren().add(gridPane);

        vbox.getChildren().add(heading);

        vbox.getChildren().add(hbox);

        login.setStyle("-fx-background-color: lightgreen; -fx-text-fill: white;");

        Scene scene = new Scene(vbox, 700, 600);

        primaryStage.setScene(scene);

        primaryStage.show();

        primaryStage.getIcons().add(new Image("file:Images/icon.png"));

        primaryStage.setTitle("Login");

        primaryStage.setAlwaysOnTop(true);

        register.hoverProperty().addListener((ChangeListener<Boolean>) (observable, oldValue, newValue) -> {

            if (newValue) {

                register.setTextFill(Color.BLUEVIOLET);

            } else {

                register.setTextFill(Color.BLACK);

            }

        });

        role.selectedToggleProperty().addListener(new ChangeListener<Toggle>(){

            public void changed(ObservableValue<? extends Toggle> ob, Toggle o, Toggle n){

                String s = "";

                RadioButton rb = (RadioButton)role.getSelectedToggle();

                if (rb != null) {

                    s = rb.getText();

                }

                if(s.equals("Doctor")) {

                    register.setVisible(false);

                }

                else {

                    register.setVisible(true);

                }

            }

        });

        register.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                try{

                    Register register = new Register();

                    register.start(primaryStage);

                } catch (FileNotFoundException e)

                {

                    e.printStackTrace();

                }

            }

        });

        login.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                Alert a = new Alert(AlertType.ERROR);

                a.setHeaderText("Invalid Input");

                a.initOwner(primaryStage);

                if (user\_field.getText().isEmpty()) {

                    a.setContentText("Enter Username/ID");

                    a.showAndWait();

                } else if (pass\_field.getText().isEmpty()) {

                    a.setContentText("Enter Password");

                    a.show();

                } else  {

                    String s = "";

                    RadioButton rb = (RadioButton)role.getSelectedToggle();

                    if (rb != null) {

                        s = rb.getText();

                        boolean authentic;

                        if(s.equals("Doctor")) {

                            authentic = new DoctorFile().IsAuthenticateDoctor(user\_field.getText(),pass\_field.getText());

                            if(authentic){

                                new CurrentUser().UpdateUser(user\_field.getText(), s);

                                try{

                                    DMenu dmenu = new DMenu();

                                    dmenu.start(primaryStage);

                                } catch (FileNotFoundException e)

                                {

                                    e.printStackTrace();

                                }

                            } else {

                                a.setHeaderText("Login Unsuccessful");

                                a.setContentText("Incorrect Username/Password");

                                a.showAndWait();

                            }

                        }

                        else {

                            authentic = new PatientFile().IsAuthenticatePatient(user\_field.getText(),pass\_field.getText());

                            if(authentic){

                                new CurrentUser().UpdateUser(user\_field.getText(), s);

                                try{

                                    Menu menu = new Menu();

                                    menu.start(primaryStage);

                                } catch (FileNotFoundException e)

                                {

                                    e.printStackTrace();

                                }

                            } else {

                                a.setHeaderText("Login Unsuccessful");

                                a.setContentText("Incorrect Username/Password");

                                a.showAndWait();

                            }

                        }

                    } else {

                        a.setContentText("Select Role (Doctor/Patient)");

                        a.showAndWait();

                    }

                }

            }

        });

    }

    public static void main(String[] args) {

        launch(args);

    }

}

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**Register :**

package Screens;

import DataModel.Patient;

import FileUtils.PatientFile;

import javafx.application.Application;

import javafx.scene.Scene;

import javafx.scene.control.Button;

import javafx.scene.control.Label;

import javafx.scene.control.PasswordField;

import javafx.scene.control.TextField;

import javafx.stage.Stage;

import javafx.scene.layout.GridPane;

import javafx.scene.image.\*;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import javafx.geometry.Pos;

import javafx.scene.control.RadioButton;

import javafx.scene.control.ToggleGroup;

import javafx.scene.control.ChoiceBox;

import javafx.scene.input.MouseEvent;

import javafx.event.EventHandler;

import javafx.scene.control.Alert;

import javafx.scene.control.Alert.AlertType;

public class Register extends Application  {

    @Override

    public void start(Stage primaryStage) throws FileNotFoundException{

        Label heading = new Label("Register Your Details");

        heading.setStyle("-fx-font: normal bold 20px 'arial' ");

        TextField id = new TextField();

        id.setPromptText("Patient ID");

        TextField name = new TextField();

        name.setPromptText("Name");

        PasswordField password = new PasswordField();

        password.setPromptText("Password");

        PasswordField confirmPassword = new PasswordField();

        confirmPassword.setPromptText("Confirm Password");

        TextField phone = new TextField();

        phone.setPromptText("Phone");

        TextField address = new TextField();

        address.setPromptText("Address");

        Label gen = new Label("Gender: ");

        ToggleGroup gender = new ToggleGroup();

        RadioButton male = new RadioButton("Male");

        male.setToggleGroup(gender);

        RadioButton female = new RadioButton("Female");

        female.setToggleGroup(gender);

        ChoiceBox<String> state = new ChoiceBox<String>();

        state.getItems().addAll("Karnataka", "Maharashtra", "West Bengal", "Uttar Pradesh", "Kerala");

        FileInputStream inputstream1 = new FileInputStream("Images/file.png");

        Image file\_img = new Image(inputstream1);

        ImageView file\_imv = new ImageView(file\_img);

        file\_imv.setFitHeight(200);

        file\_imv.setFitWidth(150);

        Button confirm = new Button("Confirm");

        confirm.setStyle("-fx-background-color: #278fcc; -fx-text-fill: white;");

        GridPane gp = new GridPane();

        gp.setMinSize(700, 600);

        gp.setStyle("-fx-background-color: LIGHTBLUE;");

        GridPane gp1 = new GridPane();

        gp1.setMinSize(300, 600);

        gp1.setAlignment(Pos.CENTER);

        gp1.setHgap(7);

        gp1.setVgap(25);

        gp1.setStyle("-fx-background-color: WHITE;");

        GridPane gp2 = new GridPane();

        gp2.setMinSize(400, 600);

        gp2.setAlignment(Pos.CENTER);

        gp2.setStyle("-fx-background-color: LIGHTBLUE;");

        gp2.add(file\_imv, 0, 0);

        GridPane gp3 = new GridPane();

        gp3.setAlignment(Pos.CENTER);

        gp3.setHgap(7);

        gp3.add(gen, 0, 0);

        gp3.add(male, 1, 0);

        gp3.add(female, 2, 0);

        gp.add(gp1, 0, 0);

        gp.add(gp2, 1, 0);

        gp1.add(heading, 0, 0);

        gp1.add(id, 0, 2);

        gp1.add(name, 0, 3);

        gp1.add(gp3, 0, 4);

        gp1.add(password, 0, 5);

        gp1.add(confirmPassword, 0, 6);

        gp1.add(phone, 0, 7);

        gp1.add(address, 0, 8);

        gp1.add(state, 0, 9);

        gp1.add(confirm, 0, 11);

        Scene scene = new Scene(gp, 700, 600);

        primaryStage.setScene(scene);

        primaryStage.show();

        primaryStage.getIcons().add(new Image("file:Images/icon.png"));

        primaryStage.setTitle("Register");

        primaryStage.setAlwaysOnTop(true);

        gp.requestFocus();

        confirm.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                Alert a = new Alert(AlertType.ERROR);

                a.setHeaderText("Invalid Input");

                a.initOwner(primaryStage);

                //Validate

                if (id.getText().isEmpty()) {

                    a.setContentText("Enter Patient ID");

                    a.showAndWait();

                } else if (name.getText().isEmpty()) {

                    a.setContentText("Enter Name");

                    a.show();

                } else if (gender.getSelectedToggle() == null) {

                    a.setContentText("Select Gender");

                    a.show();

                } else if (password.getText().isEmpty()) {

                    a.setContentText("Enter Password");

                    a.show();

                } else if (confirmPassword.getText().isEmpty() || !confirmPassword.getText().equals(password.getText())) {

                    a.setContentText("Enter Password");

                    a.show();

                } else if (!confirmPassword.getText().equals(password.getText())) {

                    a.setContentText("Enter correct Password");

                    a.show();

                } else if (phone.getText().isEmpty()) {

                    a.setContentText("Enter Phone");

                    a.show();

                } else if (phone.getText().length() != 10 || !phone.getText().chars().allMatch(Character::isDigit)) {

                    a.setContentText("Enter valid Phone");

                    a.show();

                } else if (address.getText().isEmpty()) {

                    a.setContentText("Enter Address");

                    a.show();

                } else if (state.getValue() == null) {

                    a.setContentText("Select State");

                    a.show();

                } else {

                    RadioButton rb = (RadioButton)gender.getSelectedToggle();

                    Patient p = new Patient(id.getText(),name.getText(),phone.getText(),rb.getText(),address.getText(),state.getValue());

                    new PatientFile().addPatient(p,password.getText());

                    try{

                        Login login = new Login();

                        login.start(primaryStage);

                    } catch (FileNotFoundException e)

                    {

                        e.printStackTrace();

                    }

                }

            }

        });

    }

    public static void main(String[] args) {

        launch(args);

    }

}

**-----------------------------------------------------------------------------------------------------------------------------------------------------**

**Menu :**

package Screens;

import javafx.application.Application;

import javafx.scene.Scene;

import javafx.scene.control.Label;

import javafx.stage.Stage;

import javafx.scene.image.\*;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import javafx.geometry.Pos;

import javafx.beans.value.ChangeListener;

import java.lang.String;

import javafx.scene.layout.VBox;

import javafx.scene.layout.HBox;

import javafx.scene.input.MouseEvent;

import javafx.event.EventHandler;

public class Menu extends Application  {

    @Override

    public void start(Stage primaryStage) throws FileNotFoundException{

        VBox vbox = new VBox(3);

        vbox.setAlignment(Pos.TOP\_CENTER);

        vbox.setSpacing(50);

        vbox.setStyle("-fx-background-color: LIGHTBLUE;");

        Label heading = new Label("Menu");

        heading.setStyle("-fx-font: normal bold 30px 'arial' ");

        String det = "Our hospital's function is to provide complete health care to the needy one, both curative and preventive.\nIt is also a center for providing training to health workers & center for biosocial research.\n";

        Label details = new Label(det);

        details.setWrapText(false);

        details.setStyle("-fx-padding: 10;" +

                "-fx-text-fill: #2f79e0;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 2;" +

                "-fx-border-insets: 1;" +

                "-fx-border-radius: 1;" +

                "-fx-border-color: #5494e3;");

        HBox hbox = new HBox();

        hbox.setAlignment(Pos.CENTER);

        hbox.setSpacing(30);

        HBox hbox1 = new HBox();

        hbox1.setAlignment(Pos.CENTER);

        HBox hbox2 = new HBox();

        hbox2.setAlignment(Pos.CENTER);

        VBox vbox1 = new VBox(3);

        vbox1.setAlignment(Pos.CENTER);

        vbox1.setSpacing(30);

        vbox1.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 2;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 5;" +

                "-fx-border-color: #5494e3;");

        VBox vbox2 = new VBox(3);

        vbox2.setAlignment(Pos.CENTER);

        vbox2.setSpacing(30);

        vbox2.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 2;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 5;" +

                "-fx-border-color: #5494e3;");

        VBox vbox3 = new VBox(3);

        vbox3.setAlignment(Pos.CENTER);

        vbox3.setSpacing(30);

        vbox3.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 2;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 5;" +

                "-fx-border-color: #5494e3;");

        Label user = new Label("User Profile");

        user.setStyle("-fx-text-fill: #67d0eb;" +

                "-fx-font: normal bold 23px 'arial' ");

        Label app = new Label("Appointment");

        app.setStyle("-fx-text-fill: #ed615c;" +

                "-fx-font: normal bold 23px 'arial' ");

        Label qa = new Label("About Us");

        qa.setStyle("-fx-text-fill: #677feb;" +

                "-fx-font: normal bold 23px 'arial' ");

        Label log = new Label("Logout");

        log.setStyle("-fx-text-fill: RED;" +

                "-fx-font: normal bold 23px 'arial' ");

        FileInputStream inputstream = new FileInputStream("Images/user\_profile.png");

        Image user\_img = new Image(inputstream);

        ImageView user\_imv = new ImageView(user\_img);

        user\_imv.setFitHeight(180);

        user\_imv.setFitWidth(130);

        FileInputStream inputstream1 = new FileInputStream("Images/appointment.png");

        Image app\_img = new Image(inputstream1);

        ImageView app\_imv = new ImageView(app\_img);

        app\_imv.setFitHeight(180);

        app\_imv.setFitWidth(130);

        FileInputStream inputstream2 = new FileInputStream("Images/q&a.png");

        Image qa\_img = new Image(inputstream2);

        ImageView qa\_imv = new ImageView(qa\_img);

        qa\_imv.setFitHeight(180);

        qa\_imv.setFitWidth(130);

        FileInputStream inputstream3 = new FileInputStream("Images/logout.png");

        Image logout\_img = new Image(inputstream3);

        ImageView logout\_imv = new ImageView(logout\_img);

        logout\_imv.setFitHeight(50);

        logout\_imv.setFitWidth(40);

        VBox vbox4 = new VBox(3);

        vbox4.setAlignment(Pos.CENTER);

        vbox4.setSpacing(20);

        vbox4.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 2;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 5;" +

                "-fx-border-color: #5494e3;");

        vbox4.setMinSize(200,40);

        hbox2.getChildren().add(logout\_imv);

        hbox2.getChildren().add(log);

        vbox1.getChildren().add(user\_imv);

        vbox1.getChildren().add(user);

        vbox2.getChildren().add(app\_imv);

        vbox2.getChildren().add(app);

        vbox3.getChildren().add(qa\_imv);

        vbox3.getChildren().add(qa);

        vbox4.getChildren().add(hbox2);

        hbox.getChildren().add(vbox1);

        hbox.getChildren().add(vbox2);

        hbox.getChildren().add(vbox3);

        hbox1.getChildren().add(vbox4);

        vbox.getChildren().add(heading);

        vbox.getChildren().add(details);

        vbox.getChildren().add(hbox);

        vbox.getChildren().add(hbox1);

        Scene scene = new Scene(vbox, 730, 650);

        primaryStage.setScene(scene);

        primaryStage.show();

        primaryStage.getIcons().add(new Image("file:Images/icon.png"));

        primaryStage.setTitle("Menu");

        primaryStage.setAlwaysOnTop(true);

        vbox1.hoverProperty().addListener((ChangeListener<Boolean>) (observable, oldValue, newValue) -> {

            if (newValue) {

                vbox1.setMinSize(200, 300);

            } else {

                vbox1.setMinSize(150, 150);

            }

        });

        vbox2.hoverProperty().addListener((ChangeListener<Boolean>) (observable, oldValue, newValue) -> {

            if (newValue) {

                vbox2.setMinSize(200, 300);

            } else {

                vbox2.setMinSize(150, 150);

            }

        });

        vbox3.hoverProperty().addListener((ChangeListener<Boolean>) (observable, oldValue, newValue) -> {

            if (newValue) {

                vbox3.setMinSize(200, 300);

            } else {

                vbox3.setMinSize(150, 150);

            }

        });

        vbox4.hoverProperty().addListener((ChangeListener<Boolean>) (observable, oldValue, newValue) -> {

            if (newValue) {

                vbox4.setMinSize(250, 40);

            } else {

                vbox4.setMinSize(200, 40);

            }

        });

        vbox1.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                try{

                    UserDetails user = new UserDetails();

                    user.start(primaryStage);

                } catch (FileNotFoundException e)

                {

                    e.printStackTrace();

                }

            }

        });

        vbox2.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                try{

                    Appointment appointment = new Appointment();

                    appointment.start(primaryStage);

                } catch (FileNotFoundException e)

                {

                    e.printStackTrace();

                }

            }

        });

        vbox3.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                try{

                    AboutUs aboutus = new AboutUs();

                    aboutus.start(primaryStage);

                } catch (FileNotFoundException e)

                {

                    e.printStackTrace();

                }

            }

        });

        vbox4.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                try{

                    Login login = new Login();

                    login.start(primaryStage);

                } catch (FileNotFoundException e)

                {

                    e.printStackTrace();

                }

            }

        });

    }

    public static void main(String[] args) {

        launch(args);

    }

}

**-----------------------------------------------------------------------------------------------------------------------------------------------------**

**User Details :**

package Screens;

import FileUtils.CurrentUser;

import FileUtils.PatientFile;

import DataModel.Patient;

import javafx.application.Application;

import javafx.scene.Scene;

import javafx.scene.control.Button;

import javafx.scene.control.Label;

import javafx.stage.Stage;

import javafx.scene.layout.GridPane;

import javafx.scene.layout.HBox;

import javafx.scene.layout.VBox;

import javafx.scene.image.\*;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import javafx.geometry.Pos;

import javafx.scene.input.MouseEvent;

import javafx.event.EventHandler;

public class UserDetails extends Application {

    @Override

    public void start(Stage primaryStage) throws FileNotFoundException{

        String sid;

        sid = new CurrentUser().GetUser();

        if (sid.equals("")){

            try{

                Login login = new Login();

                login.start(primaryStage);

            } catch (FileNotFoundException e)

            {

                e.printStackTrace();

            }

        } else {

            Patient p = new PatientFile().GetDetails(sid);

            Label heading = new Label("User Details");

            heading.setStyle("-fx-font: normal bold 20px 'arial' ");

            FileInputStream inputstream = new FileInputStream("Images/user\_profile.png");

            Image user\_img = new Image(inputstream);

            ImageView user\_imv = new ImageView(user\_img);

            user\_imv.setFitHeight(200);

            user\_imv.setFitWidth(200);

            VBox top = new VBox(20);

            top.getChildren().addAll(user\_imv, heading);

            top.setAlignment(Pos.CENTER);

            Label id = dlabel("Patient ID :");

            Label Pid = plabel(p.getId());

            HBox hid = new HBox(5);

            hid.getChildren().addAll(id, Pid);

            Label name = dlabel("Name :");

            Label Pname = plabel(p.getName());

            HBox hname = new HBox(5);

            hname.getChildren().addAll(name, Pname);

            Label gender = dlabel("Gender :");

            Label Pgender = plabel(p.getGender());

            HBox hgender = new HBox(5);

            hgender.getChildren().addAll(gender, Pgender);

            Label phone = dlabel("Phone :");

            Label Pphone = plabel(p.getPhone());

            HBox hphone = new HBox(5);

            hphone.getChildren().addAll(phone, Pphone);

            Label address = dlabel("Address :");

            Label Paddress = plabel(p.getAddress());

            HBox haddress = new HBox(5);

            haddress.getChildren().addAll(address, Paddress);

            Label state = dlabel("State :");

            Label Pstate = plabel(p.getState());

            HBox hstate = new HBox(5);

            hstate.getChildren().addAll(state, Pstate);

            Button ok = new Button("OK");

            ok.setStyle("-fx-background-color: #278fcc; -fx-text-fill: white;");

            VBox element = new VBox(20);

            element.getChildren().addAll(hid, hname, hgender, hphone, haddress, hstate, ok);

            element.setAlignment(Pos.CENTER);

            VBox all = new VBox(30);

            all.getChildren().addAll(top,element);

            all.setAlignment(Pos.CENTER);

            GridPane gp = new GridPane();

            gp.setMinSize(700, 600);

            gp.setStyle("-fx-background-color: LIGHTBLUE;");

            gp.setAlignment(Pos.CENTER);

            gp.add(all,0,0);

            primaryStage.setScene(new Scene(gp,700,600));

            primaryStage.show();

            primaryStage.getIcons().add(new Image("file:Images/icon.png"));

            primaryStage.setTitle("User Details");

            primaryStage.setAlwaysOnTop(true);

            ok.setOnMouseClicked(new EventHandler<MouseEvent>(){

                @Override

                public void handle(MouseEvent arg0) {

                    try{

                        Menu menu = new Menu();

                        menu.start(primaryStage);

                    } catch (FileNotFoundException e)

                    {

                        e.printStackTrace();

                    }

                }

            });

        }

    }

    public Label plabel(String s){

        Label label = new Label(s);

        label.setWrapText(false);

        label.setStyle("-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 1;" +

                "-fx-border-radius: 1;" +

                "-fx-border-color: #5494e3;");

        return label;

    }

    public Label dlabel(String s){

        Label label = new Label(s);

        label.setStyle("-fx-font: normal bold 15px 'arial' ");

        return label;

    }

    public static void main(String[] args) {

        launch(args);

    }

}

**-----------------------------------------------------------------------------------------------------------------------------------------------------**

**Appointment :**

package Screens;

import FileUtils.CurrentUser;

import FileUtils.PatientFile;

import javafx.application.Application;

import javafx.scene.Scene;

import javafx.scene.control.Button;

import javafx.scene.control.Label;

import javafx.scene.control.TextArea;

import javafx.scene.control.ChoiceBox;

import javafx.scene.control.RadioButton;

import javafx.scene.control.ToggleGroup;

import javafx.stage.Stage;

import javafx.scene.layout.GridPane;

import javafx.scene.layout.HBox;

import javafx.scene.layout.VBox;

import javafx.scene.image.\*;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import javafx.geometry.Pos;

import javafx.scene.input.MouseEvent;

import javafx.event.EventHandler;

import javafx.scene.layout.Priority;

import javafx.scene.layout.Region;

import java.util.ArrayList;

import java.util.List;

import java.util.Arrays;

import javafx.scene.control.Alert;

import javafx.scene.control.Alert.AlertType;

public class Appointment extends Application {

    @Override

    public void start(Stage primaryStage) throws FileNotFoundException{

        String sid;

        String status;

        sid = new CurrentUser().GetUser();

        if (sid.equals("")){

            try{

                Login login = new Login();

                login.start(primaryStage);

            } catch (FileNotFoundException e)

            {

                e.printStackTrace();

            }

        } else {

            status = new PatientFile().GetStatus(sid);

            if (status.equals("")){

                try{

                    Menu menu = new Menu();

                    menu.start(primaryStage);

                } catch (FileNotFoundException e)

                {

                    e.printStackTrace();

                }

            } else if (status.equals("PENDING")){

                Label heading = new Label("Request Pending");

                heading.setStyle("-fx-font: normal bold 30px 'arial' ");

                Button back = new Button("Back to Menu");

                back.setStyle("-fx-background-color: #278fcc; -fx-text-fill: white;");

                VBox elements = new VBox(20);

                elements.setAlignment(Pos.CENTER);

                elements.getChildren().addAll(heading,back);

                primaryStage.setScene(new Scene(elements,700,600));

                primaryStage.show();

                primaryStage.getIcons().add(new Image("file:Images/icon.png"));

                primaryStage.setTitle("Appointment");

                primaryStage.setAlwaysOnTop(true);

                back.setOnMouseClicked(new EventHandler<MouseEvent>(){

                    @Override

                    public void handle(MouseEvent arg0) {

                        try{

                            Menu menu = new Menu();

                            menu.start(primaryStage);

                        } catch (FileNotFoundException e)

                        {

                            e.printStackTrace();

                        }

                    }

                });

            } else if (status.equals("DONE")){

                Label heading = new Label("Feedback");

                heading.setStyle("-fx-font: normal bold 30px 'arial' ");

                String s = new PatientFile().GetFeedback(sid);

                TextArea fb = new TextArea(s);

                fb.setEditable(false);

                Button back = new Button("Back to Menu");

                back.setStyle("-fx-background-color: #278fcc; -fx-text-fill: white;");

                VBox elements = new VBox(20);

                elements.setAlignment(Pos.CENTER);

                elements.setStyle("-fx-background-color: LIGHTBLUE;");

                elements.getChildren().addAll(heading,fb,back);

                primaryStage.setScene(new Scene(elements,700,600));

                primaryStage.show();

                primaryStage.getIcons().add(new Image("file:Images/icon.png"));

                primaryStage.setTitle("Appointment");

                primaryStage.setAlwaysOnTop(true);

                back.setOnMouseClicked(new EventHandler<MouseEvent>(){

                    @Override

                    public void handle(MouseEvent arg0) {

                        new PatientFile().UpdateStatus(sid,"FREE");

                        try{

                            Menu menu = new Menu();

                            menu.start(primaryStage);

                        } catch (FileNotFoundException e)

                        {

                            e.printStackTrace();

                        }

                    }

                });

            } else {

                Label heading = new Label("Appointment Form");

                heading.setStyle("-fx-font: normal bold 20px 'arial' ");

                VBox elements = new VBox(15);

                elements.setAlignment(Pos.TOP\_CENTER);

                HBox e1 = new HBox(2);

                Label symptom = new Label("Symptom :");

                symptom.setStyle("-fx-font: normal bold 15px 'arial' ");

                TextArea symptoms = new TextArea("Mention symptoms in seperate line");

                symptoms.setPrefHeight(100);

                e1.getChildren().addAll(symptom, symptoms);

                HBox e2 = new HBox(2);

                Label specialization = new Label("Specialization :");

                specialization.setStyle("-fx-font: normal bold 15px 'arial' ");

                ChoiceBox<String> specializations = new ChoiceBox<String>();

                specializations.getItems().addAll("General", "ENT", "Cardiologists", "Dermatologists", "Endocrinologists");

                e2.getChildren().addAll(specialization, specializations);

                VBox e3 = new VBox(2);

                Label p1 = new Label("I would like :");

                p1.setStyle("-fx-font: normal bold 15px 'arial' ");

                ToggleGroup choice1 = new ToggleGroup();

                RadioButton op1 = new RadioButton("New patient appointment");

                op1.setToggleGroup(choice1);

                RadioButton op2 = new RadioButton("Routine Checkup");

                op2.setToggleGroup(choice1);

                RadioButton op3 = new RadioButton("Comprehensive Health Exam");

                op3.setToggleGroup(choice1);

                e3.getChildren().addAll(p1, op1, op2, op3);

                VBox e4 = new VBox(2);

                Label p = new Label("Have you previously attended our facility :");

                p.setStyle("-fx-font: normal bold 15px 'arial' ");

                ToggleGroup choice = new ToggleGroup();

                RadioButton yes = new RadioButton("Yes");

                yes.setToggleGroup(choice);

                RadioButton no = new RadioButton("No");

                no.setToggleGroup(choice);

                e4.getChildren().addAll(p, yes, no);

                VBox e5 = new VBox(2);

                Label p2 = new Label("Best time to call you :");

                p2.setStyle("-fx-font: normal bold 15px 'arial' ");

                ToggleGroup choice2 = new ToggleGroup();

                RadioButton morning = new RadioButton("Morning");

                morning.setToggleGroup(choice2);

                RadioButton noon = new RadioButton("Afternoon");

                noon.setToggleGroup(choice2);

                RadioButton eve = new RadioButton("Evening");

                eve.setToggleGroup(choice2);

                e5.getChildren().addAll(p2, morning, noon, eve);

                Button confirm = new Button("Confirm");

                confirm.setStyle("-fx-background-color: #278fcc; -fx-text-fill: white;");

                Button cancel = new Button("Cancel");

                cancel.setStyle("-fx-background-color: #278fcc; -fx-text-fill: white;");

                Region region1 = new Region();

                HBox.setHgrow(region1, Priority.ALWAYS);

                Region region2 = new Region();

                HBox.setHgrow(region2, Priority.ALWAYS);

                HBox btn = new HBox(10);

                btn.getChildren().addAll(region1,confirm,cancel,region2);

                elements.getChildren().addAll(e2,e3,e4,e5);

                FileInputStream inputstream1 = new FileInputStream("Images/appointment.png");

                Image app\_img = new Image(inputstream1);

                ImageView app\_imv = new ImageView(app\_img);

                app\_imv.setFitHeight(250);

                app\_imv.setFitWidth(250);

                GridPane gp1 = new GridPane();

                gp1.add(elements,0,0);

                gp1.add(app\_imv,1,0);

                gp1.setAlignment(Pos.CENTER);

                VBox c = new VBox(15);

                c.getChildren().addAll(gp1,btn);

                c.setAlignment(Pos.CENTER);

                VBox all = new VBox(25);

                all.getChildren().addAll(heading,e1,c);

                all.setAlignment(Pos.TOP\_CENTER);

                GridPane gp = new GridPane();

                gp.setMinSize(700, 600);

                gp.setAlignment(Pos.CENTER);

                gp.setStyle("-fx-background-color: LIGHTBLUE;");

                gp.add(all,0,0);

                primaryStage.setScene(new Scene(gp,700,600));

                primaryStage.show();

                primaryStage.getIcons().add(new Image("file:Images/icon.png"));

                primaryStage.setTitle("Appointment");

                primaryStage.setAlwaysOnTop(true);

                confirm.setOnMouseClicked(new EventHandler<MouseEvent>(){

                    @Override

                    public void handle(MouseEvent arg0) {

                        Alert a = new Alert(AlertType.ERROR);

                        a.setHeaderText("Invalid Input");

                        a.initOwner(primaryStage);

                        if (symptoms.getText().isEmpty()) {

                            a.setContentText("Enter Symptoms");

                            a.showAndWait();

                        } else if (specializations.getValue() == null) {

                            a.setContentText("Select Specialization");

                            a.show();

                        } else if (choice.getSelectedToggle() == null || choice1.getSelectedToggle() == null || choice2.getSelectedToggle() == null) {

                            a.setContentText("Answer all Questions");

                            a.show();

                        } else {

                            //Convert Symptom to list

                            String str[] = symptoms.getText().split("\n");

                            List<String> al = new ArrayList<String>();

                            al = Arrays.asList(str);

                            PatientFile pf = new PatientFile();

                            pf.AddSymptoms(al,sid);

                            pf.AddAppointmentList(sid);

                            pf.UpdateStatus(sid,"PENDING");

                            try{

                                Menu menu = new Menu();

                                menu.start(primaryStage);

                            } catch (FileNotFoundException e)

                            {

                                e.printStackTrace();

                            }

                        }

                    }

                });

                cancel.setOnMouseClicked(new EventHandler<MouseEvent>(){

                    @Override

                    public void handle(MouseEvent arg0) {

                        try{

                            Menu menu = new Menu();

                            menu.start(primaryStage);

                        } catch (FileNotFoundException e)

                        {

                            e.printStackTrace();

                        }

                    }

                });

            }

        }

    }

    public static void main(String[] args) {

        launch(args);

    }

}

**-----------------------------------------------------------------------------------------------------------------------------------------------------**

**About Us :**

package Screens;

import FileUtils.CurrentUser;

import javafx.application.Application;

import javafx.scene.Scene;

import javafx.scene.control.Button;

import javafx.scene.control.Label;

import javafx.stage.Stage;

import javafx.scene.image.\*;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import javafx.geometry.Pos;

import javafx.beans.value.ChangeListener;

import javafx.scene.paint.Color;

import java.lang.String;

import javafx.scene.layout.VBox;

import javafx.scene.layout.HBox;

import javafx.scene.control.ScrollPane;

import javafx.scene.input.MouseEvent;

import javafx.event.EventHandler;

public class AboutUs extends Application  {

    @Override

    public void start(Stage primaryStage) throws FileNotFoundException{

        //Main Screen

        ScrollPane scrollPane = new ScrollPane();

        //Contents of scrollPane

        VBox vbox = new VBox();

        vbox.setPrefSize(950, 860);

        vbox.setAlignment(Pos.TOP\_CENTER);

        vbox.setSpacing(20);

        vbox.setStyle("-fx-background-color: LIGHTBLUE;");

        scrollPane.setContent(vbox);

        //Contents of vbox

        Label heading = new Label("Question? Look Here.");

        heading.setStyle("-fx-font: normal bold 30px 'arial';"

                        + "-fx-text-fill: #d94364;");

        HBox hbox = new HBox(2);

        hbox.setAlignment(Pos.BASELINE\_LEFT);

        hbox.setSpacing(10);

        //contents of hbox

        VBox vbox1 = new VBox();

        vbox1.setAlignment(Pos.CENTER);

        vbox1.setPrefHeight(215);

        vbox1.setPrefWidth(250);

        vbox1.setSpacing(15);

        vbox1.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 2;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 5;" +

                "-fx-border-color: #5494e3;");

        VBox vbox2 = new VBox();

        vbox2.setAlignment(Pos.CENTER);

        vbox2.setPrefWidth(625);

        vbox2.setSpacing(20);

        vbox2.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 2;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 5;" +

                "-fx-border-color: #5494e3;");

        //contents of vbox1

        Label general = new Label("> General");

        general.setStyle("-fx-font: normal bold 16px 'arial' ");

        Label corona = new Label("Coronavirus");

        corona.setStyle("-fx-font: normal bold 16px 'arial';"

                + "-fx-text-fill : black");

        Label mv = new Label("Mission & Vision");

        mv.setStyle("-fx-font: normal bold 16px 'arial';"

                + "-fx-text-fill : black");

        Label contact = new Label("Contact Us");

        contact.setStyle("-fx-font: normal bold 16px 'arial';"

                + "-fx-text-fill : black");

        Label back = new Label("<- Back to Menu");

        back.setStyle("-fx-font: normal bold 16px 'arial';"

                + "-fx-text-fill : black");

        //contents of vbox2(general)

        VBox vbox3 = new VBox();

        vbox3.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 2;" +

                "-fx-border-color: #5494e3;");

        VBox vbox4 = new VBox();

        vbox4.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 2;" +

                "-fx-border-color: #5494e3;");

        VBox vbox5 = new VBox();

        vbox5.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 2;" +

                "-fx-border-color: #5494e3;");

        VBox vbox6 = new VBox();

        vbox6.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 2;" +

                "-fx-border-color: #5494e3;");

        HBox hbox1 = new HBox(2);

        hbox1.setAlignment(Pos.BASELINE\_LEFT);

        hbox1.setSpacing(10);

        HBox hbox2 = new HBox(2);

        hbox2.setAlignment(Pos.BASELINE\_LEFT);

        hbox2.setSpacing(10);

        HBox hbox3 = new HBox(2);

        hbox3.setAlignment(Pos.BASELINE\_LEFT);

        hbox3.setSpacing(10);

        HBox hbox4 = new HBox(2);

        hbox4.setAlignment(Pos.BASELINE\_LEFT);

        hbox4.setSpacing(10);

        //question naming format-

        //c1q1- category 1, question 1

        //c1a1- category 1, answer 1

        String q1 = "How are diseases prevented?";

        Label c1q1 = new Label(q1);

        c1q1.setStyle("-fx-font: normal bold 16px 'arial' ;");

        String a1 = "\nWashing your hands with soap and water, thoroughly and frequently. \n"

                + "Covering your nose and mouth when you sneeze or cough. \n"

                + "Disinfecting frequently touched surfaces in your home and workplace. \n"

                + "Avoiding contact with sick people or sharing personal items with them.";

        Label c1a1 = new Label(a1);

        c1a1.setStyle("-fx-text-fill: #2f6de0;"

                    + "-fx-font: normal bold 15px 'arial';");

        String q2 = "How to overcome any illness?";

        Label c1q2 = new Label(q2);

        c1q2.setStyle("-fx-font: normal bold 16px 'arial';");

        String a2 = "\nMaintain a healthy diet.\r\n"

                + "Get enough sleep\r\n"

                + "Positive thinking\r\n"

                + "Excercise daily\r\n"

                + "Get proper medication\r\n"

                + "Get the support you need\r\n";

        Label c1a2 = new Label(a2);

        c1a2.setStyle("-fx-text-fill: #2f6de0;"

                    + "-fx-font: normal bold 15px 'arial';");

        String q3 = "What is the best treatment for chronic disease?";

        Label c1q3 = new Label(q3);

        c1q3.setStyle("-fx-font: normal bold 16px 'arial' ;");

        String a3 = "\nTreatment of chronic illness comes in many forms including surgery, physical\n"

                + "therapy, psychological therapy and radiotherapy. However, one of the most\n"

                + "common treatment forms is the use of medication.";

        Label c1a3 = new Label(a3);

        c1a3.setStyle("-fx-text-fill: #2f6de0;"

                    + "-fx-font: normal bold 15px 'arial';");

        String q4 = "How can you help someone with help problems?";

        Label c1q4 = new Label(q4);

        c1q4.setStyle("-fx-font: normal bold 16px 'arial' ;");

        String a4 = "\nAsk what kind of friend the person needs you to be\r\n"

                + "Offer specific help\r\n"

                + "Make plans\r\n"

                + "Visit when possible\r\n"

                + "Send notes and cards\r\n"

                + "Offer to chauffeur or even attend appointments\r\n"

                + "";

        Label c1a4 = new Label(a4);

        c1a4.setStyle("-fx-text-fill: #2f6de0;"

                    + "-fx-font: normal bold 15px 'arial';");

        FileInputStream inputstream = new FileInputStream("Images/plus.png");

        Image plus\_img = new Image(inputstream);

        ImageView plus\_imv = new ImageView(plus\_img);

        plus\_imv.setFitHeight(20);

        plus\_imv.setFitWidth(20);

        ImageView plus1\_imv = new ImageView(plus\_img);

        plus1\_imv.setFitHeight(20);

        plus1\_imv.setFitWidth(20);

        ImageView plus2\_imv = new ImageView(plus\_img);

        plus2\_imv.setFitHeight(20);

        plus2\_imv.setFitWidth(20);

        ImageView plus3\_imv = new ImageView(plus\_img);

        plus3\_imv.setFitHeight(20);

        plus3\_imv.setFitWidth(20);

        FileInputStream inputstream1 = new FileInputStream("Images/minus.png");

        Image minus\_img = new Image(inputstream1);

        hbox1.getChildren().add(c1q1);

        hbox1.getChildren().add(plus\_imv);

        hbox2.getChildren().add(c1q2);

        hbox2.getChildren().add(plus1\_imv);

        hbox3.getChildren().add(c1q3);

        hbox3.getChildren().add(plus2\_imv);

        hbox4.getChildren().add(c1q4);

        hbox4.getChildren().add(plus3\_imv);

        vbox3.getChildren().add(hbox1);

        vbox3.getChildren().add(c1a1);

        vbox3.setPrefHeight(80);

        vbox3.setPrefWidth(500);

        c1a1.setVisible(false);

        vbox4.getChildren().add(hbox2);

        vbox4.getChildren().add(c1a2);

        vbox4.setPrefHeight(80);

        vbox4.setPrefWidth(500);

        c1a2.setVisible(false);

        vbox5.getChildren().add(hbox3);

        vbox5.getChildren().add(c1a3);

        vbox5.setPrefHeight(80);

        vbox5.setPrefWidth(500);

        c1a3.setVisible(false);

        vbox6.getChildren().add(hbox4);

        vbox6.getChildren().add(c1a4);

        vbox6.setPrefHeight(80);

        vbox6.setPrefWidth(500);

        c1a4.setVisible(false);

        vbox2.getChildren().add(vbox3);

        vbox2.getChildren().add(vbox4);

        vbox2.getChildren().add(vbox5);

        vbox2.getChildren().add(vbox6);

        //contents of Coronavirus

        VBox vvboxx3 = new VBox();

        vvboxx3.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 2;" +

                "-fx-border-color: #5494e3;");

        vvboxx3.setAlignment(Pos.CENTER);

        HBox hhbox = new HBox();

        hhbox.setAlignment(Pos.CENTER);

        hhbox.setSpacing(10);

        Label hhead = new Label("Coronavirus Updates");

        hhead.setStyle("-fx-font: normal bold 18px 'arial' ");

        hhead.setAlignment(Pos.BASELINE\_CENTER);

        vvboxx3.getChildren().add(hhead);

        vvboxx3.getChildren().add(hhbox);

        VBox cvbox3 = new VBox();

        cvbox3.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 2;" +

                "-fx-border-color: #4a5ad9;");

        cvbox3.setAlignment(Pos.BASELINE\_LEFT);

        Label tc = new Label("Total Cases: 46,482,200");

        tc.setStyle("-fx-font: normal bold 12px 'arial';" +

                "-fx-text-fill : #4a5ad9;");

        tc.setAlignment(Pos.CENTER);

        cvbox3.getChildren().add(tc);

        VBox cvbox4 = new VBox();

        cvbox4.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 2;" +

                "-fx-border-color: #53d43f;");

        cvbox4.setAlignment(Pos.BASELINE\_CENTER);

        Label tr = new Label("Total Recovered: 33,556,292");

        tr.setStyle("-fx-font: normal bold 12px 'arial';" +

                "-fx-text-fill : #53d43f;");

        tr.setAlignment(Pos.CENTER);

        cvbox4.getChildren().add(tr);

        VBox cvbox5 = new VBox();

        cvbox5.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 2;" +

                "-fx-border-color: #d43a2c;");

        cvbox5.setAlignment(Pos.BASELINE\_RIGHT);

        Label td = new Label("Total Deaths: 1,201,759");

        td.setStyle("-fx-font: normal bold 12px 'arial';" +

                "-fx-text-fill : #d43a2c");

        td.setAlignment(Pos.CENTER);

        cvbox5.getChildren().add(td);

        hhbox.getChildren().add(cvbox3);

        hhbox.getChildren().add(cvbox4);

        hhbox.getChildren().add(cvbox5);

        VBox vvbox3 = new VBox();

        vvbox3.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 2;" +

                "-fx-border-color: #5494e3;");

        VBox vvbox4 = new VBox();

        vvbox4.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 2;" +

                "-fx-border-color: #5494e3;");

        VBox vvbox5 = new VBox();

        vvbox5.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 2;" +

                "-fx-border-color: #5494e3;");

        HBox hhbox1 = new HBox(2);

        hhbox1.setAlignment(Pos.BASELINE\_LEFT);

        hhbox1.setSpacing(10);

        HBox hhbox2 = new HBox(2);

        hhbox2.setAlignment(Pos.BASELINE\_LEFT);

        hhbox2.setSpacing(10);

        HBox hhbox3 = new HBox(2);

        hhbox3.setAlignment(Pos.BASELINE\_LEFT);

        hhbox3.setSpacing(10);

        HBox hhbox4 = new HBox(2);

        hhbox4.setAlignment(Pos.BASELINE\_LEFT);

        hhbox4.setSpacing(10);

        String cq1 = "What are the symptoms of the coronavirus?";

        Label c2q1 = new Label(cq1);

        c2q1.setStyle("-fx-font: normal bold 16px 'arial' ;");

        String ca1 = "\nMost common symptoms:\r\n"

                + "\tFever\r\n"

                + "\tdry cough\r\n"

                + "\ttiredness\r\n"

                + "Less common symptoms:\r\n"

                + "\taches and pains\r\n"

                + "\tsore throat\r\n"

                + "\tDiarrhoea\r\n"

                + "\tConjunctivitis\r\n"

                + "\tHeadache\r\n"

                + "\tloss of taste or smell\r\n";

        Label c2a1 = new Label(ca1);

        c2a1.setStyle("-fx-text-fill: #2f6de0;"

                    + "-fx-font: normal bold 15px 'arial';");

        String cq2 = "How to prevent catching the coronavirus?";

        Label c2q2 = new Label(cq2);

        c2q2.setStyle("-fx-font: normal bold 16px 'arial' ;");

        String ca2 = "\nClean your hands often. Use soap and water, or an alcohol-based hand rub.\r\n"

                + "Maintain a safe distance from anyone who is coughing or sneezing.\r\n"

                + "Wear a mask when physical distancing is not possible.\r\n"

                + "Dont touch your eyes, nose or mouth.\n"

                + "Cover your nose and mouth with your elbow or a tissue when you cough or sneeze.\r\n"

                + "Stay home if you feel unwell.\r\n";

        Label c2a2 = new Label(ca2);

        c2a2.setStyle("-fx-text-fill: #2f6de0;"

                    + "-fx-font: normal bold 15px 'arial';");

        String cq3 = "What are the treatments of the coronavirus?";

        Label c2q3 = new Label(cq3);

        c2q3.setStyle("-fx-font: normal bold 16px 'arial' ;");

        String ca3 = "\nIf you feel sick you should rest, drink plenty of fluid, and eat nutritious food.\n"

                + "Stay in a separate room fromother family members, and use a dedicated \n"

                + "bathroom if possible.\n"

                + "Clean and disinfect frequently touched surfaces.\n"

                + "Everyone should keep a healthy lifestyle at home.\n"

                + "Maintain a healthy diet, sleep, stay active, and make social contact  with loved ones\n"

                + "through the phone or internet. \n"

                + "Children need extra love and attention from adults during difficult times. \n"

                + "Keep to regular routines and schedules as much as possible.\r\n";

        Label c2a3 = new Label(ca3);

        c2a3.setStyle("-fx-text-fill: #2f6de0;"

                    + "-fx-font: normal bold 15px 'arial';");

        ImageView cplus\_imv = new ImageView(plus\_img);

        cplus\_imv.setFitHeight(20);

        cplus\_imv.setFitWidth(20);

        ImageView cplus1\_imv = new ImageView(plus\_img);

        cplus1\_imv.setFitHeight(20);

        cplus1\_imv.setFitWidth(20);

        ImageView cplus2\_imv = new ImageView(plus\_img);

        cplus2\_imv.setFitHeight(20);

        cplus2\_imv.setFitWidth(20);

        hhbox1.getChildren().add(c2q1);

        hhbox1.getChildren().add(cplus\_imv);

        hhbox2.getChildren().add(c2q2);

        hhbox2.getChildren().add(cplus1\_imv);

        hhbox3.getChildren().add(c2q3);

        hhbox3.getChildren().add(cplus2\_imv);

        vvbox3.getChildren().add(hhbox1);

        vvbox3.getChildren().add(c2a1);

        vvbox3.setPrefHeight(80);

        vvbox3.setPrefWidth(500);

        c2a1.setVisible(false);

        vvbox4.getChildren().add(hhbox2);

        vvbox4.getChildren().add(c2a2);

        vvbox4.setPrefHeight(80);

        vvbox4.setPrefWidth(500);

        c2a2.setVisible(false);

        vvbox5.getChildren().add(hhbox3);

        vvbox5.getChildren().add(c2a3);

        vvbox5.setPrefHeight(80);

        vvbox5.setPrefWidth(500);

        c2a3.setVisible(false);

        //contents of Mission & Vision

        VBox mvbox3 = new VBox();

        mvbox3.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 2;" +

                "-fx-border-color: #5494e3;");

        VBox mvbox4 = new VBox();

        mvbox4.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 2;" +

                "-fx-border-color: #5494e3;");

        VBox mvbox5 = new VBox();

        mvbox5.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 2;" +

                "-fx-border-color: #5494e3;");

        HBox mhbox1 = new HBox(2);

        mhbox1.setAlignment(Pos.BASELINE\_LEFT);

        mhbox1.setSpacing(10);

        HBox mhbox2 = new HBox(2);

        mhbox2.setAlignment(Pos.BASELINE\_LEFT);

        mhbox2.setSpacing(10);

        HBox mhbox3 = new HBox(2);

        mhbox3.setAlignment(Pos.BASELINE\_LEFT);

        mhbox3.setSpacing(10);

        String mq1 = "Mission";

        Label c3q1 = new Label(mq1);

        c3q1.setStyle("-fx-font: normal bold 16px 'arial' ;");

        String ma1 = "\nWe share our experience serving patients that makes you happy, giving service \n"

                + "that makes you smile, in passionate pursuit of our mission, showing love and caring\n"

                + " in all our actions, to enrich as many lives as we possibly can. ";

        Label c3a1 = new Label(ma1);

        c3a1.setStyle("-fx-text-fill: #2f6de0;"

                    + "-fx-font: normal bold 15px 'arial';");

        String mq2 = "Vision";

        Label c3q2 = new Label(mq2);

        c3q2.setStyle("-fx-font: normal bold 16px 'arial' ;");

        String ma2 = "\nTo create and maintain a framework where health care professionals can practice\n"

                + "their skills in the right spirit with empathy, pride and passion.\n"

                + "To be able to adapt to dynamic changes in health care delivery not only\n"

                +"in curing illnesses but also in preserving health. ";

        Label c3a2 = new Label(ma2);

        c3a2.setStyle("-fx-text-fill: #2f6de0;"

                    + "-fx-font: normal bold 15px 'arial';");

        String mq3 = "Strength";

        Label c3q3 = new Label(mq3);

        c3q3.setStyle("-fx-font: normal bold 16px 'arial' ;");

        String ma3 = "\nEmployees are recognized as the most valuable asset in the organization.\n"

                + "We are committed to create & maintain a culture that is conducive to learning.";

        Label c3a3 = new Label(ma3);

        c3a3.setStyle("-fx-text-fill: #2f6de0;"

                    + "-fx-font: normal bold 15px 'arial';");

        ImageView mplus\_imv = new ImageView(plus\_img);

        mplus\_imv.setFitHeight(20);

        mplus\_imv.setFitWidth(20);

        ImageView mplus1\_imv = new ImageView(plus\_img);

        mplus1\_imv.setFitHeight(20);

        mplus1\_imv.setFitWidth(20);

        ImageView mplus2\_imv = new ImageView(plus\_img);

        mplus2\_imv.setFitHeight(20);

        mplus2\_imv.setFitWidth(20);

        ImageView mplus3\_imv = new ImageView(plus\_img);

        mplus3\_imv.setFitHeight(20);

        mplus3\_imv.setFitWidth(20);

        mhbox1.getChildren().add(c3q1);

        mhbox1.getChildren().add(mplus\_imv);

        mhbox2.getChildren().add(c3q2);

        mhbox2.getChildren().add(mplus1\_imv);

        mhbox3.getChildren().add(c3q3);

        mhbox3.getChildren().add(mplus2\_imv);

        mvbox3.getChildren().add(mhbox1);

        mvbox3.getChildren().add(c3a1);

        mvbox3.setPrefHeight(80);

        mvbox3.setPrefWidth(500);

        c3a1.setVisible(false);

        mvbox4.getChildren().add(mhbox2);

        mvbox4.getChildren().add(c3a2);

        mvbox4.setPrefHeight(80);

        mvbox4.setPrefWidth(500);

        c3a2.setVisible(false);

        mvbox5.getChildren().add(mhbox3);

        mvbox5.getChildren().add(c3a3);

        mvbox5.setPrefHeight(80);

        mvbox4.setPrefWidth(500);

        c3a3.setVisible(false);

        //Contents of Contact Us

        Label uhead = new Label("Developors");

        uhead.setAlignment(Pos.BASELINE\_CENTER);

        uhead.setStyle("-fx-font: normal bold 15px 'arial';"

                + "-fx-text-fill : black");

        HBox uhbox = new HBox(2);

        uhbox.setAlignment(Pos.CENTER);

        uhbox.setSpacing(10);

        VBox uvbox4 = new VBox();

        uvbox4.setAlignment(Pos.CENTER);

        uvbox4.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 2;" +

                "-fx-border-color: #5494e3;");

        VBox uvbox5 = new VBox();

        uvbox5.setAlignment(Pos.CENTER);

        uvbox5.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 2;" +

                "-fx-border-color: #5494e3;");

        FileInputStream inputstream2 = new FileInputStream("Images/man.png");

        Image man\_img = new Image(inputstream2);

        ImageView man\_imv = new ImageView(man\_img);

        man\_imv.setFitHeight(200);

        man\_imv.setFitWidth(150);

        ImageView man1\_imv = new ImageView(man\_img);

        man1\_imv.setFitHeight(200);

        man1\_imv.setFitWidth(150);

        String name1 = "\nName: Abhinav Rathi\n";

        Label n1 = new Label(name1);

        n1.setAlignment(Pos.CENTER);

        Label e1 = new Label("Email: abhinav.rathi@science.christuniversity.in");

        e1.setAlignment(Pos.CENTER);

        String name2 = "\nName: Vedant Mehrotra\n";

        Label n2 = new Label(name2);

        n2.setAlignment(Pos.CENTER);

        Label e2 = new Label("Email: vedant.mehrotra@science.christuniversity.in");

        e2.setAlignment(Pos.CENTER);

        uvbox4.getChildren().add(man\_imv);

        uvbox4.getChildren().add(n1);

        uvbox4.getChildren().add(e1);

        uvbox5.getChildren().add(man1\_imv);

        uvbox5.getChildren().add(n2);

        uvbox5.getChildren().add(e2);

        uhbox.getChildren().add(uvbox4);

        uhbox.getChildren().add(uvbox5);

        // Adding Contents of vbox

        vbox1.getChildren().addAll(general,corona,mv,contact,back);

        hbox.getChildren().add(vbox1);

        hbox.getChildren().add(vbox2);

        vbox.getChildren().add(heading);

        vbox.getChildren().add(hbox);

        Scene scene = new Scene(scrollPane, 950, 750);

        primaryStage.setScene(scene);

        primaryStage.show();

        primaryStage.getIcons().add(new Image("file:Images/icon.png"));

        primaryStage.setTitle("About Us");

        primaryStage.setAlwaysOnTop(true);

        //event handling starts here

        hbox1.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                if(plus\_imv.getImage() == plus\_img) {

                    vbox3.setPrefHeight(150);

                    c1a1.setVisible(true);

                    plus\_imv.setImage(minus\_img);

                }

                else {

                    vbox3.setPrefHeight(70);

                    c1a1.setVisible(false);

                    plus\_imv.setImage(plus\_img);

                }

            }

        });

        hbox2.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                if(plus1\_imv.getImage() == plus\_img) {

                    vbox4.setPrefHeight(185);

                    c1a2.setVisible(true);

                    plus1\_imv.setImage(minus\_img);

                }

                else {

                    vbox4.setPrefHeight(70);

                    c1a2.setVisible(false);

                    plus1\_imv.setImage(plus\_img);

                }

            }

        });

        hbox3.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                if(plus2\_imv.getImage() == plus\_img) {

                    vbox5.setPrefHeight(135);

                    c1a3.setVisible(true);

                    plus2\_imv.setImage(minus\_img);

                }

                else {

                    vbox5.setPrefHeight(70);

                    c1a3.setVisible(false);

                    plus2\_imv.setImage(plus\_img);

                }

            }

        });

        hbox4.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                if(plus3\_imv.getImage() == plus\_img) {

                    vbox6.setPrefHeight(185);

                    c1a4.setVisible(true);

                    plus3\_imv.setImage(minus\_img);

                }

                else {

                    vbox6.setPrefHeight(70);

                    c1a4.setVisible(false);

                    plus3\_imv.setImage(plus\_img);

                }

            }

        });

        hhbox1.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                if(cplus\_imv.getImage() == plus\_img) {

                    vbox.setPrefHeight(980);

                    //vbox2.setPrefHeight(980);

                    vvbox3.setPrefHeight(300);

                    c2a1.setVisible(true);

                    cplus\_imv.setImage(minus\_img);

                }

                else {

                    vbox.setPrefHeight(750);

                    vvbox3.setPrefHeight(70);

                    c2a1.setVisible(false);

                    cplus\_imv.setImage(plus\_img);

                }

            }

        });

        hhbox2.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                if(cplus1\_imv.getImage() == plus\_img) {

                    vbox.setPrefHeight(980);

                    //vbox2.setPrefHeight(980);

                    vvbox4.setPrefHeight(180);

                    c2a2.setVisible(true);

                    cplus1\_imv.setImage(minus\_img);

                }

                else {

                    vbox.setPrefHeight(750);

                    vvbox4.setPrefHeight(70);

                    c2a2.setVisible(false);

                    cplus1\_imv.setImage(plus\_img);

                }

            }

        });

        hhbox3.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                if(cplus2\_imv.getImage() == plus\_img) {

                    vbox.setPrefHeight(980);

                    //vbox2.setPrefHeight(980);

                    vvbox5.setPrefHeight(200);

                    c2a3.setVisible(true);

                    cplus2\_imv.setImage(minus\_img);

                }

                else {

                    vbox.setPrefHeight(750);

                    vvbox5.setPrefHeight(70);

                    c2a3.setVisible(false);

                    cplus2\_imv.setImage(plus\_img);

                }

            }

        });

        mhbox1.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                if(mplus\_imv.getImage() == plus\_img) {

                    mvbox3.setPrefHeight(140);

                    c3a1.setVisible(true);

                    mplus\_imv.setImage(minus\_img);

                }

                else {

                    mvbox3.setPrefHeight(70);

                    c3a1.setVisible(false);

                    mplus\_imv.setImage(plus\_img);

                }

            }

        });

        mhbox2.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                if(mplus1\_imv.getImage() == plus\_img) {

                    mvbox4.setPrefHeight(145);

                    c3a2.setVisible(true);

                    mplus1\_imv.setImage(minus\_img);

                }

                else {

                    mvbox4.setPrefHeight(70);

                    c3a2.setVisible(false);

                    mplus1\_imv.setImage(plus\_img);

                }

            }

        });

        mhbox3.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                if(mplus2\_imv.getImage() == plus\_img) {

                    mvbox5.setPrefHeight(120);

                    c3a3.setVisible(true);

                    mplus2\_imv.setImage(minus\_img);

                }

                else {

                    mvbox5.setPrefHeight(70);

                    c3a3.setVisible(false);

                    mplus2\_imv.setImage(plus\_img);

                }

            }

        });

        general.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                general.setText("> General");

                corona.setText("Coronavirus");

                mv.setText("Mission & Vision");

                contact.setText("Contact Us");

                vbox2.getChildren().clear();

                vbox2.getChildren().add(vbox3);

                vbox2.getChildren().add(vbox4);

                vbox2.getChildren().add(vbox5);

                vbox2.getChildren().add(vbox6);

            }

        });

        general.hoverProperty().addListener((ChangeListener<Boolean>) (observable, oldValue, newValue) -> {

            if (newValue) {

                general.setStyle("-fx-font: normal bold 18px 'arial';"

                        + "-fx-text-fill : #1487d9");

            } else {

                general.setStyle("-fx-font: normal bold 16px 'arial';"

                        + "-fx-text-fill : black");

            }

        });

        corona.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                general.setText("General");

                corona.setText("> Coronavirus");

                mv.setText("Mission & Vision");

                contact.setText("Contact Us");

                vbox2.getChildren().clear();

                vbox2.getChildren().add(vvboxx3);

                vbox2.getChildren().add(vvbox3);

                vbox2.getChildren().add(vvbox4);

                vbox2.getChildren().add(vvbox5);

            }

        });

        corona.hoverProperty().addListener((ChangeListener<Boolean>) (observable, oldValue, newValue) -> {

            if (newValue) {

                corona.setStyle("-fx-font: normal bold 18px 'arial';"

                        + "-fx-text-fill : #1487d9");

            } else {

                corona.setStyle("-fx-font: normal bold 16px 'arial';"

                        + "-fx-text-fill : black");

            }

        });

        mv.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                general.setText("General");

                corona.setText("Coronavirus");

                mv.setText("> Mission & Vision");

                contact.setText("Contact Us");

                vbox2.getChildren().clear();

                vbox2.getChildren().add(mvbox3);

                vbox2.getChildren().add(mvbox4);

                vbox2.getChildren().add(mvbox5);

            }

        });

        mv.hoverProperty().addListener((ChangeListener<Boolean>) (observable, oldValue, newValue) -> {

            if (newValue) {

                mv.setStyle("-fx-font: normal bold 18px 'arial';"

                        + "-fx-text-fill : #1487d9");

            } else {

                mv.setStyle("-fx-font: normal bold 16px 'arial';"

                        + "-fx-text-fill : black");

            }

        });

        contact.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                general.setText("General");

                corona.setText("Coronavirus");

                mv.setText("Mission & Vision");

                contact.setText("> Contact Us");

                vbox2.getChildren().clear();

                vbox2.getChildren().add(uhead);

                vbox2.getChildren().add(uhbox);

            }

        });

        contact.hoverProperty().addListener((ChangeListener<Boolean>) (observable, oldValue, newValue) -> {

            if (newValue) {

                contact.setStyle("-fx-font: normal bold 18px 'arial';"

                        + "-fx-text-fill : #1487d9");

            } else {

                contact.setStyle("-fx-font: normal bold 16px 'arial';"

                        + "-fx-text-fill : black");

            }

        });

        back.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                String role;

                role = new CurrentUser().GetRole();

                if (role.equals("")){

                    try{

                        Login login = new Login();

                        login.start(primaryStage);

                    } catch (FileNotFoundException e)

                    {

                        e.printStackTrace();

                    }

                } else if (role.equals("Doctor")){

                    try{

                        DMenu dmenu = new DMenu();

                        dmenu.start(primaryStage);

                    } catch (FileNotFoundException e)

                    {

                        e.printStackTrace();

                    }

                } else {

                    try{

                        Menu menu = new Menu();

                        menu.start(primaryStage);

                    } catch (FileNotFoundException e)

                    {

                        e.printStackTrace();

                    }

                }

            }

        });

        back.hoverProperty().addListener((ChangeListener<Boolean>) (observable, oldValue, newValue) -> {

            if (newValue) {

                back.setStyle("-fx-font: normal bold 18px 'arial';"

                        + "-fx-text-fill : #1487d9");

            } else {

                back.setStyle("-fx-font: normal bold 16px 'arial';"

                        + "-fx-text-fill : black");

            }

        });

    }

    public static void main(String[] args) {

        launch(args);

    }

}

**-----------------------------------------------------------------------------------------------------------------------------------------------------**

**Doctor Menu :**

package Screens;

import javafx.application.Application;

import javafx.scene.Scene;

import javafx.scene.control.Label;

import javafx.stage.Stage;

import javafx.scene.image.\*;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import javafx.geometry.Pos;

import javafx.beans.value.ChangeListener;

import javafx.scene.layout.VBox;

import javafx.scene.layout.HBox;

import javafx.scene.input.MouseEvent;

import javafx.event.EventHandler;

public class DMenu extends Application  {

    @Override

    public void start(Stage primaryStage) throws FileNotFoundException{

        Label heading = new Label("Menu");

        heading.setStyle("-fx-font: normal bold 30px 'arial' ");

        Label user = new Label("User Profile");

        user.setStyle("-fx-text-fill: #67d0eb;" +

                "-fx-font: normal bold 23px 'arial' ");

        ImageView user\_imv = ImgVw("Images/user\_profile.png");

        HBox hbox1 = BHBox();

        hbox1.getChildren().addAll(user\_imv,user);

        Label app = new Label("  Check Up  ");

        app.setStyle("-fx-text-fill: #4ea5d2;" +

                "-fx-font: normal bold 23px 'arial' ");

        ImageView app\_imv = ImgVw("Images/checkup.png");

        HBox hbox2 = BHBox();

        hbox2.getChildren().addAll(app\_imv,app);

        HBox hboxa = new HBox();

        hboxa.setAlignment(Pos.CENTER);

        hboxa.setSpacing(30);

        hboxa.getChildren().addAll(hbox1,hbox2);

        Label qa = new Label("  About Us  ");

        qa.setStyle("-fx-text-fill: #677feb;" +

                "-fx-font: normal bold 23px 'arial' ");

        ImageView qa\_imv = ImgVw("Images/q&a.png");

        HBox hbox3 = BHBox();

        hbox3.getChildren().addAll(qa\_imv,qa);

        Label logout = new Label("   Logout   ");

        logout.setStyle("-fx-text-fill: #677feb;" +

                "-fx-font: normal bold 23px 'arial' ");

        ImageView logout\_imv = ImgVw("Images/logout.png");

        HBox hbox4 = BHBox();

        hbox4.getChildren().addAll(logout\_imv,logout);

        HBox hboxb = new HBox();

        hboxb.setAlignment(Pos.CENTER);

        hboxb.setSpacing(30);

        hboxb.getChildren().addAll(hbox3,hbox4);

        VBox vbox = new VBox(3);

        vbox.setAlignment(Pos.TOP\_CENTER);

        vbox.setSpacing(50);

        vbox.setStyle("-fx-background-color: LIGHTBLUE;");

        vbox.getChildren().addAll(heading,hboxa,hboxb);

        Scene scene = new Scene(vbox, 700, 600);

        primaryStage.setScene(scene);

        primaryStage.show();

        primaryStage.getIcons().add(new Image("file:Images/icon.png"));

        primaryStage.setTitle("Menu");

        primaryStage.setAlwaysOnTop(true);

        hbox1.hoverProperty().addListener((ChangeListener<Boolean>) (observable, oldValue, newValue) -> {

            if (newValue) {

                hbox1.setMinSize(200, 200);

            } else {

                hbox1.setMinSize(150, 150);

            }

        });

        hbox2.hoverProperty().addListener((ChangeListener<Boolean>) (observable, oldValue, newValue) -> {

            if (newValue) {

                hbox2.setMinSize(250, 200);

            } else {

                hbox2.setMinSize(150, 150);

            }

        });

        hbox3.hoverProperty().addListener((ChangeListener<Boolean>) (observable, oldValue, newValue) -> {

            if (newValue) {

                hbox3.setMinSize(250, 200);

            } else {

                hbox3.setMinSize(150, 150);

            }

        });

        hbox4.hoverProperty().addListener((ChangeListener<Boolean>) (observable, oldValue, newValue) -> {

            if (newValue) {

                hbox4.setMinSize(250, 200);

            } else {

                hbox4.setMinSize(150, 150);

            }

        });

        hbox1.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                try{

                    DUserDetails duser = new DUserDetails();

                    duser.start(primaryStage);

                } catch (FileNotFoundException e)

                {

                    e.printStackTrace();

                }

            }

        });

        hbox2.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                try{

                    DAppointment dappointment = new DAppointment();

                    dappointment.start(primaryStage);

                } catch (FileNotFoundException e)

                {

                    e.printStackTrace();

                }

            }

        });

        hbox3.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                try{

                    AboutUs aboutus = new AboutUs();

                    aboutus.start(primaryStage);

                } catch (FileNotFoundException e)

                {

                    e.printStackTrace();

                }

            }

        });

        hbox4.setOnMouseClicked(new EventHandler<MouseEvent>(){

            @Override

            public void handle(MouseEvent arg0) {

                try{

                    Login login = new Login();

                    login.start(primaryStage);

                } catch (FileNotFoundException e)

                {

                    e.printStackTrace();

                }

            }

        });

    }

    private ImageView ImgVw(String s) throws FileNotFoundException{

        FileInputStream inputstream = new FileInputStream(s);

        Image img = new Image(inputstream);

        ImageView imv = new ImageView(img);

        imv.setFitHeight(180);

        imv.setFitWidth(130);

        return imv;

    }

    private HBox BHBox(){

        HBox hbox = new HBox(20);

        hbox.setAlignment(Pos.CENTER);

        hbox.setStyle("-fx-padding: 10;" +

                "-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 2;" +

                "-fx-border-insets: 5;" +

                "-fx-border-radius: 5;" +

                "-fx-border-color: #5494e3;");

        return hbox;

    }

    public static void main(String[] args) {

        launch(args);

    }

}

**-----------------------------------------------------------------------------------------------------------------------------------------------------**

**Doctor User Details :**

package Screens;

import FileUtils.CurrentUser;

import FileUtils.DoctorFile;

import DataModel.Doctor;

import javafx.application.Application;

import javafx.scene.Scene;

import javafx.scene.control.Button;

import javafx.scene.control.Label;

import javafx.stage.Stage;

import javafx.scene.layout.GridPane;

import javafx.scene.layout.HBox;

import javafx.scene.layout.VBox;

import javafx.scene.image.\*;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import javafx.geometry.Pos;

import javafx.scene.input.MouseEvent;

import javafx.event.EventHandler;

public class DUserDetails extends Application {

    @Override

    public void start(Stage primaryStage) throws FileNotFoundException{

        String did;

        did = new CurrentUser().GetUser();

        if (did.equals("")){

            try{

                Login login = new Login();

                login.start(primaryStage);

            } catch (FileNotFoundException e)

            {

                e.printStackTrace();

            }

        } else {

            Doctor d = new DoctorFile().GetDetails(did);

            Label heading = new Label("Doctor Details");

            heading.setStyle("-fx-font: normal bold 20px 'arial' ");

            FileInputStream inputstream = new FileInputStream("Images/user\_profile.png");

            Image user\_img = new Image(inputstream);

            ImageView user\_imv = new ImageView(user\_img);

            user\_imv.setFitHeight(200);

            user\_imv.setFitWidth(200);

            VBox top = new VBox(20);

            top.getChildren().addAll(user\_imv, heading);

            top.setAlignment(Pos.CENTER);

            Label id = dlabel("Doctor ID :");

            Label Did = plabel(d.getId());

            HBox hid = new HBox(5);

            hid.getChildren().addAll(id, Did);

            Label name = dlabel("Name :");

            Label Dname = plabel(d.getName());

            HBox hname = new HBox(5);

            hname.getChildren().addAll(name, Dname);

            Label phone = dlabel("Phone :");

            Label Dphone = plabel(d.getPhone());

            HBox hphone = new HBox(5);

            hphone.getChildren().addAll(phone, Dphone);

            Label address = dlabel("Address :");

            Label Daddress = plabel(d.getAddress());

            HBox haddress = new HBox(5);

            haddress.getChildren().addAll(address, Daddress);

            Label speciality = dlabel("Speciality :");

            Label Dspeciality = plabel(d.getSpeciality());

            HBox hspeciality = new HBox(5);

            hspeciality.getChildren().addAll(speciality, Dspeciality);

            Button ok = new Button("OK");

            ok.setStyle("-fx-background-color: #278fcc; -fx-text-fill: white;");

            VBox element = new VBox(20);

            element.getChildren().addAll(hid, hname, hphone, haddress, hspeciality, ok);

            element.setAlignment(Pos.CENTER);

            VBox all = new VBox(30);

            all.getChildren().addAll(top,element);

            all.setAlignment(Pos.CENTER);

            GridPane gp = new GridPane();

            gp.setMinSize(700, 600);

            gp.setStyle("-fx-background-color: LIGHTBLUE;");

            gp.setAlignment(Pos.CENTER);

            gp.add(all,0,0);

            primaryStage.setScene(new Scene(gp,700,600));

            primaryStage.show();

            primaryStage.getIcons().add(new Image("file:Images/icon.png"));

            primaryStage.setTitle("User Details");

            primaryStage.setAlwaysOnTop(true);

            ok.setOnMouseClicked(new EventHandler<MouseEvent>(){

                @Override

                public void handle(MouseEvent arg0) {

                    try{

                        DMenu dmenu = new DMenu();

                        dmenu.start(primaryStage);

                    } catch (FileNotFoundException e)

                    {

                        e.printStackTrace();

                    }

                }

            });

        }

    }

    public Label plabel(String s){

        Label label = new Label(s);

        label.setWrapText(false);

        label.setStyle("-fx-background-color: WHITE;" +

                "-fx-border-style: solid inside;" +

                "-fx-border-width: 1;" +

                "-fx-border-insets: 1;" +

                "-fx-border-radius: 1;" +

                "-fx-border-color: #5494e3;");

        return label;

    }

    public Label dlabel(String s){

        Label label = new Label(s);

        label.setStyle("-fx-font: normal bold 15px 'arial' ");

        return label;

    }

    public static void main(String[] args) {

        launch(args);

    }

}

**-----------------------------------------------------------------------------------------------------------------------------------------------------**

**Doctor Appointment :**

package Screens;

import FileUtils.DoctorFile;

import javafx.application.Application;

import javafx.scene.Scene;

import javafx.stage.Stage;

import javafx.scene.layout.VBox;

import javafx.scene.layout.HBox;

import javafx.scene.control.ListView;

import java.util.ArrayList;

import java.util.List;

import java.util.Arrays;

import javafx.collections.FXCollections;

import javafx.collections.ObservableList;

import javafx.geometry.Pos;

import javafx.scene.control.Label;

import javafx.scene.control.Button;

import javafx.scene.input.MouseEvent;

import javafx.event.EventHandler;

import javafx.scene.paint.Color;

import javafx.beans.value.ChangeListener;

import java.io.FileNotFoundException;

import javafx.scene.image.\*;

import javafx.scene.control.TextArea;

public class DAppointment extends Application{

    @Override

    public void start(Stage primaryStage) throws FileNotFoundException{

        List<String> pList = new DoctorFile().GetAppointmentList();

        if (pList.size() == 0){

            Label heading = new Label("No Appointments");

            heading.setStyle("-fx-font: normal bold 30px 'arial' ");

            Button back = new Button("Back to Menu");

            back.setStyle("-fx-background-color: #278fcc; -fx-text-fill: white;");

            VBox elements = new VBox(20);

            elements.setAlignment(Pos.CENTER);

            elements.getChildren().addAll(heading,back);

            primaryStage.setScene(new Scene(elements,700,600));

            primaryStage.show();

            primaryStage.getIcons().add(new Image("file:Images/icon.png"));

            primaryStage.setTitle("Appointment");

            primaryStage.setAlwaysOnTop(true);

            back.setOnMouseClicked(new EventHandler<MouseEvent>(){

                @Override

                public void handle(MouseEvent arg0) {

                    try{

                        DMenu dmenu = new DMenu();

                        dmenu.start(primaryStage);

                    } catch (FileNotFoundException e)

                    {

                        e.printStackTrace();

                    }

                }

            });

        } else {

            VBox vbox = new VBox();

            vbox.setAlignment(Pos.TOP\_CENTER);

            vbox.setSpacing(50);

            vbox.setStyle("-fx-background-color: LIGHTBLUE;");

            HBox hbox = new HBox();

            hbox.setAlignment(Pos.CENTER);

            hbox.setPrefWidth(400);

            hbox.setPrefWidth(500);

            VBox vbox1 = new VBox();

            vbox1.setPrefSize(300, 400);

            vbox1.setSpacing(20);

            vbox1.setAlignment(Pos.CENTER);

            vbox1.setStyle("-fx-padding: 10;" +

            "-fx-background-color: WHITE;" +

            "-fx-border-style: solid inside;" +

            "-fx-border-width: 2;" +

            "-fx-border-insets: 5;" +

            "-fx-border-radius: 5;" +

            "-fx-border-color: #5494e3;");

            ObservableList<String> patientsList = FXCollections.observableArrayList(pList);

            ListView<String> lv = new ListView<String>(patientsList);

            lv.setMaxSize(200, 180);

            Label head = new Label("Patient List");

            head.setStyle("-fx-font: normal bold 30px 'arial';"

                            + "-fx-text-fill: #d94364;");

            head.setAlignment(Pos.CENTER);

            Button select = new Button("Select");

            select.setStyle("-fx-background-color: lightgreen; -fx-text-fill: white;");

            Label back = new Label("<- Back to Menu");

            back.setStyle("-fx-font: normal bold 16px 'arial';"

                    + "-fx-text-fill : black");

            vbox1.getChildren().add(lv);

            vbox1.getChildren().add(select);

            vbox1.getChildren().add(back);

            hbox.getChildren().add(vbox1);

            vbox.getChildren().add(head);

            vbox.getChildren().add(hbox);

            Scene scene = new Scene(vbox, 700, 600);

            primaryStage.setScene(scene);

            primaryStage.show();

            primaryStage.getIcons().add(new Image("file:Images/icon.png"));

            primaryStage.setTitle("Appointment");

            primaryStage.setAlwaysOnTop(true);

            //Screen2

            HBox hbox1 = new HBox();

            hbox1.setAlignment(Pos.CENTER);

            hbox1.setPrefWidth(400);

            hbox1.setPrefWidth(500);

            VBox vbox2 = new VBox();

            vbox2.setPrefSize(600, 500);

            vbox2.setSpacing(20);

            vbox2.setStyle("-fx-padding: 10;" +

            "-fx-background-color: WHITE;" +

            "-fx-border-style: solid inside;" +

            "-fx-border-width: 2;" +

            "-fx-border-insets: 5;" +

            "-fx-border-radius: 5;" +

            "-fx-border-color: #5494e3;");

            Label head1 = new Label("Appointment");

            head1.setStyle("-fx-font: normal bold 30px 'arial';"

                            + "-fx-text-fill: #d94364;");

            head1.setAlignment(Pos.CENTER);

            Label symptoms = new Label("Symptoms");

            symptoms.setStyle("-fx-font: normal bold 20px 'arial';"

                            + "-fx-text-fill: DARKBLUE;");

            TextArea sym = new TextArea();

            sym.setPrefHeight(150);

            sym.setEditable(false);

            Label feedback = new Label("Doctor's Feedback");

            feedback.setStyle("-fx-font: normal bold 20px 'arial';"

                            + "-fx-text-fill: DARKBLUE;");

            TextArea fb = new TextArea();

            fb.setPrefHeight(150);

            HBox hbox2 = new HBox();

            hbox2.setAlignment(Pos.CENTER);

            hbox2.setSpacing(10);

            Button submit = new Button("Submit");

            submit.setStyle("-fx-background-color: lightgreen; -fx-text-fill: white;");

            Button back1 = new Button("Back");

            back1.setStyle("-fx-background-color: lightgreen; -fx-text-fill: white;");

            hbox2.getChildren().add(back1);

            hbox2.getChildren().add(submit);

            vbox2.getChildren().add(symptoms);

            vbox2.getChildren().add(sym);

            vbox2.getChildren().add(feedback);

            vbox2.getChildren().add(fb);

            vbox2.getChildren().add(hbox2);

            Label cheat = new Label();

            //Event Handling

            back.hoverProperty().addListener((ChangeListener<Boolean>) (observable, oldValue, newValue) -> {

                if (newValue) {

                    back.setTextFill(Color.BLUEVIOLET);

                } else {

                    back.setTextFill(Color.BLACK);

                }

            });

            back.setOnMouseClicked(new EventHandler<MouseEvent>(){

                @Override

                public void handle(MouseEvent arg0) {

                    try{

                        DMenu dm = new DMenu();

                        dm.start(primaryStage);

                    } catch (FileNotFoundException e){

                        e.printStackTrace();

                    }

                }

            });

            select.setOnMouseClicked(new EventHandler<MouseEvent>(){

                @Override

                public void handle(MouseEvent arg0) {

                    if ( lv.getSelectionModel().getSelectedItem() != null){

                        vbox.getChildren().clear();

                        String sid = lv.getSelectionModel().getSelectedItem();

                        cheat.setText(sid);

                        List<String> symptoms = new DoctorFile().GetSymptoms (sid);

                        String symp = String.join("\n", symptoms);

                        sym.setText(symp);

                        hbox1.getChildren().add(vbox2);

                        vbox.getChildren().add(head1);

                        vbox.getChildren().add(hbox1);

                    }

                }

            });

            back1.setOnMouseClicked(new EventHandler<MouseEvent>(){

                @Override

                public void handle(MouseEvent arg0) {

                    try{

                        DAppointment dappointment = new DAppointment();

                        dappointment.start(primaryStage);

                    } catch (FileNotFoundException e)

                    {

                        e.printStackTrace();

                    }

                }

            });

            submit.setOnMouseClicked(new EventHandler<MouseEvent>(){

                @Override

                public void handle(MouseEvent arg0) {

                    if (!fb.getText().isEmpty()){

                        DoctorFile df = new DoctorFile();

                        df.UpdateStatus(cheat.getText(), "DONE", fb.getText());

                        pList.remove(cheat.getText());

                        df.RemoveAppointment(pList);

                        try{

                            DAppointment dappointment = new DAppointment();

                            dappointment.start(primaryStage);

                        } catch (FileNotFoundException e)

                        {

                            e.printStackTrace();

                        }

                    }

                }

            });

        }

    }

    public static void main(String args[]){

        launch(args);

    }

}

**-----------------------------------------------------------------------------------------------------------------------------------------------------**

**DATA MODELS**

**Patient :**

package DataModel;

public class Patient{

    private String id;

    private String name;

    private String phone;

    private String gender;

    private String address;

    private String state;

    private String status;

    public Patient(String id, String name, String phone, String gender,String address, String state){

        this.id = id;

        this.name = name;

        this.phone = phone;

        this.gender = gender;

        this.address = address;

        this.state = state;

        this.status = "FREE";

    }

    public Patient(String id, String name, String phone, String gender,String address, String state, String status){

        this.id = id;

        this.name = name;

        this.phone = phone;

        this.gender = gender;

        this.address = address;

        this.state = state;

        this.status = status;

    }

    public Patient(Patient p){

        this.id = p.getId();

        this.name = p.getName();

        this.phone = p.getPhone();

        this.gender = p.getGender();

        this.address = p.getAddress();

        this.state = p.getState();

        this.status = p.getStatus();

    }

    public void setStatus(String status){

        this.status = status;

    }

    public String getId(){

        return id;

    }

    public String getName(){

        return name;

    }

    public String getPhone(){

        return phone;

    }

    public String getGender(){

        return gender;

    }

    public String getAddress(){

        return address;

    }

    public String getState(){

        return state;

    }

    public String getStatus(){

        return status;

    }

}

**-----------------------------------------------------------------------------------------------------------------------------------------------------**

**Doctor :**

package DataModel;

public class Doctor{

    private String id;

    private String name;

    private String phone;

    private String address;

    private String speciality;

    private String status;

    public Doctor(String id, String name, String phone, String address, String speciality){

        this.id = id;

        this.name = name;

        this.phone = phone;

        this.address = address;

        this.speciality = speciality;

        this.status = "FREE";

    }

    public Doctor(String id, String name, String phone, String address, String speciality, String status){

        this.id = id;

        this.name = name;

        this.phone = phone;

        this.address = address;

        this.speciality = speciality;

        this.status = status;

    }

    public void setStatus(String status){

        this.status = status;

    }

    public String getId(){

        return id;

    }

    public String getName(){

        return name;

    }

    public String getPhone(){

        return phone;

    }

    public String getAddress(){

        return address;

    }

    public String getSpeciality(){

        return speciality;

    }

    public String getStatus(){

        return status;

    }

}

**-----------------------------------------------------------------------------------------------------------------------------------------------------**

**FILE UTILS**

**Patient File :**

package FileUtils;

import DataModel.Patient;

import java.io.\*;

import java.util.\*;

import java.nio.charset.StandardCharsets;

import java.nio.file.\*;

public class PatientFile{

    public void addPatient(Patient p,String password){

        String id = p.getId();

        try{

            File patient = new File(id.concat(".txt"));

            if(patient.createNewFile()) {

                try {

                    FileWriter fw = new FileWriter(patient);

                    BufferedWriter bw = new BufferedWriter(fw);

                    bw.write(p.getName() + "\n" + p.getPhone() + "\n" + p.getGender() + "\n" + p.getAddress() + "\n" + p.getState() + "\n" + password);

                    bw.close();

                    fw.close();

                    UpdateStatus(id,"FREE");

                    System.out.println("Account Created");

                } catch (IOException e) {

                    System.out.println("An error occurred.");

                    patient.delete();

                    e.printStackTrace();

                }

            } else {

                System.out.println("Account already exists.");

            }

        } catch (IOException e) {

            System.out.println("An error occurred.");

            e.printStackTrace();

        }

    }

    public boolean IsAuthenticatePatient(String id, String password){

        File user = new File(id.concat(".txt"));

        if(user.exists()){

            try{

                Scanner read = new Scanner(user);

                String pass;

                pass = read.nextLine();

                pass = read.nextLine();

                pass = read.nextLine();

                pass = read.nextLine();

                pass = read.nextLine();

                pass = read.nextLine();

                if(password.equals(pass)){

                   return true;

                }

            } catch (IOException e) {

                System.out.println("An error occurred.");

                e.printStackTrace();

            }

        }

        return false;

    }

    public void UpdateStatus(String id, String s){

        File status = new File(id.concat("\_Status.txt"));

        try {

            FileWriter fw = new FileWriter(status);

            BufferedWriter bw = new BufferedWriter(fw);

            bw.write(s);

            bw.close();

            fw.close();

        } catch (IOException e) {

            System.out.println("An error occurred.");

            status.delete();

            e.printStackTrace();

        }

    }

    public void UpdateStatus(String id, String s, String fb){

        File status = new File(id.concat("\_Status.txt"));

        try {

            FileWriter fw = new FileWriter(status);

            BufferedWriter bw = new BufferedWriter(fw);

            bw.write(s + "\n" + fb);

            bw.close();

            fw.close();

        } catch (IOException e) {

            System.out.println("An error occurred.");

            status.delete();

            e.printStackTrace();

        }

    }

    public String GetStatus(String id){

        String status;

        try{

            File st = new File(id.concat("\_Status.txt"));

            if(st.exists()) {

                Scanner s = new Scanner(st);

                status = s.nextLine();

                s.close();

                return status;

            } else {

                System.out.println("Account does not exists.");

            }

        } catch (IOException e) {

            System.out.println("An error occurred.");

            e.printStackTrace();

        }

        return "";

    }

    public String GetFeedback(String id){

        String fb = "";

        String str;

        try{

            File st = new File(id.concat("\_Status.txt"));

            if(st.exists()) {

                Scanner s = new Scanner(st);

                str = s.nextLine();

                while (s.hasNext()){

                    str = s.nextLine();

                    fb = fb.concat(str + "\n");

                }

                s.close();

                return fb;

            } else {

                System.out.println("Account does not exists.");

            }

        } catch (IOException e) {

            System.out.println("An error occurred.");

            e.printStackTrace();

        }

        return fb;

    }

    public void AddAppointmentList(String id){

        try {

            File list = new File("AppointmentList.txt");

            if(!list.exists()){

                list.createNewFile();

            }

            try {

                    FileWriter fw = new FileWriter(list,true);

                    BufferedWriter bw = new BufferedWriter(fw);

                    bw.write(id);

                    bw.close();

                    fw.close();

            } catch (IOException e) {

                System.out.println("An error occurred.");

                e.printStackTrace();

            }

        } catch (IOException e) {

            System.out.println("An error occurred.");

            e.printStackTrace();

        }

    }

    public Patient GetDetails(String id){

        String name;

        String phone;

        String gender;

        String address;

        String state;

        String status;

        try{

            File patient = new File(id.concat(".txt"));

            if(patient.exists()) {

                Scanner p = new Scanner(patient);

                name = p.nextLine();

                phone = p.nextLine();

                gender = p.nextLine();

                address = p.nextLine();

                state = p.nextLine();

                p.close();

                status = GetStatus(id);

                return new Patient(id, name, phone, gender, address, state, status);

            } else {

                System.out.println("Account does not exists.");

            }

        } catch (IOException e) {

            System.out.println("An error occurred.");

            e.printStackTrace();

        }

        return null;

    }

    public void AddSymptoms(List<String> symptoms,String id){

        ListIterator<String> sitr = symptoms.listIterator();

        try {

            File symp = new File(id.concat("\_symptoms.txt"));

            if(!symp.exists()){

                symp.createNewFile();

            }

            try {

                FileWriter fw = new FileWriter(symp);

                BufferedWriter bw = new BufferedWriter(fw);

                bw.write(sitr.next());

                while(sitr.hasNext()){

                    bw.newLine();

                    bw.write(sitr.next());

                }

                bw.close();

                fw.close();

            } catch (IOException e) {

                System.out.println("An error occurred.");

                e.printStackTrace();

            }

        } catch (IOException e) {

            System.out.println("An error occurred.");

            e.printStackTrace();

        }

    }

    public void ClearSymptoms(String id){

        File symp = new File(id.concat("\_symptoms.txt"));

        if(symp.exists()){

            try {

                PrintWriter pw = new PrintWriter(symp);

                pw.print("");

                pw.close();

            } catch (IOException e) {

                System.out.println("An error occurred.");

                e.printStackTrace();

            }

        }

    }

}

**-----------------------------------------------------------------------------------------------------------------------------------------------------**

**Doctor File :**

package FileUtils;

import DataModel.Doctor;

import java.io.\*;

import java.util.\*;

import java.nio.charset.StandardCharsets;

import java.nio.file.\*;

public class DoctorFile{

    public boolean IsAuthenticateDoctor(String id, String password){

        File user = new File(id.concat(".txt"));

        if(user.exists()){

            try{

                Scanner read = new Scanner(user);

                String pass;

                pass = read.nextLine();

                pass = read.nextLine();

                pass = read.nextLine();

                pass = read.nextLine();

                pass = read.nextLine();

                if(password.equals(pass)){

                   return true;

                }

            } catch (IOException e) {

                System.out.println("An error occurred.");

                e.printStackTrace();

            }

        }

        return false;

    }

    public void UpdateStatus(String id, String s){

        File status = new File(id.concat("\_Status.txt"));

        try {

            FileWriter fw = new FileWriter(status);

            BufferedWriter bw = new BufferedWriter(fw);

            bw.write(s);

            bw.close();

            fw.close();

        } catch (IOException e) {

            System.out.println("An error occurred.");

            status.delete();

            e.printStackTrace();

        }

    }

    public void UpdateStatus(String id, String s, String fb){

        File status = new File(id.concat("\_Status.txt"));

        try {

            FileWriter fw = new FileWriter(status);

            BufferedWriter bw = new BufferedWriter(fw);

            bw.write(s + "\n" + fb);

            bw.close();

            fw.close();

        } catch (IOException e) {

            System.out.println("An error occurred.");

            status.delete();

            e.printStackTrace();

        }

    }

    public String GetStatus(String id){

        String status;

        try{

            File st = new File(id.concat("\_Status.txt"));

            if(st.exists()) {

                Scanner s = new Scanner(st);

                status = s.nextLine();

                s.close();

                return status;

            } else {

                System.out.println("Account does not exists.");

            }

        } catch (IOException e) {

            System.out.println("An error occurred.");

            e.printStackTrace();

        }

        return "";

    }

    public String GetFeedback(String id){

        String pid = "";

        try{

            File st = new File(id.concat("\_Status.txt"));

            if(st.exists()) {

                Scanner s = new Scanner(st);

                pid = s.nextLine();

                pid = s.nextLine();

                s.close();

                return pid;

            } else {

                System.out.println("Account does not exists.");

            }

        } catch (IOException e) {

            System.out.println("An error occurred.");

            e.printStackTrace();

        }

        return pid;

    }

    public List<String> GetDoctorList(){

        File list = new File("DoctorList.txt");

        if(list.exists()){

            List<String> lines = Collections.emptyList();

            try

            {

              lines = Files.readAllLines(Paths.get(list.getPath()), StandardCharsets.UTF\_8);

            } catch (IOException e)

            {

              e.printStackTrace();

            }

            return lines;

        }

        return Collections.emptyList();

    }

    public List<String> GetAppointmentList(){

        File list = new File("AppointmentList.txt");

        if(list.exists()){

            List<String> lines = Collections.emptyList();

            try

            {

              lines = Files.readAllLines(Paths.get(list.getPath()), StandardCharsets.UTF\_8);

            } catch (IOException e)

            {

              e.printStackTrace();

            }

            return lines;

        }

        return Collections.emptyList();

    }

    public void RemoveAppointment(List<String> appointments){

        ListIterator<String> sitr = appointments.listIterator();

        File symp = new File("AppointmentList.txt");

        try {

            FileWriter fw = new FileWriter(symp);

            BufferedWriter bw = new BufferedWriter(fw);

            while(sitr.hasNext()){

                bw.newLine();

                bw.write(sitr.next());

            }

            bw.close();

            fw.close();

        } catch (IOException e) {

            System.out.println("An error occurred.");

            e.printStackTrace();

        }

    }

    public List<String> GetSymptoms (String id){

        File list = new File(id.concat("\_symptoms.txt"));

        if(list.exists()){

            List<String> lines = Collections.emptyList();

            try

            {

              lines = Files.readAllLines(Paths.get(list.getPath()), StandardCharsets.UTF\_8);

            } catch (IOException e)

            {

              e.printStackTrace();

            }

            return lines;

        }

        return Collections.emptyList();

    }

    public Doctor GetDetails(String id){

        String name;

        String phone;

        String address;

        String speciality;

        String status;

        try{

            File doctor = new File(id.concat(".txt"));

            if(doctor.exists()) {

                Scanner d = new Scanner(doctor);

                name = d.nextLine();

                phone = d.nextLine();

                address = d.nextLine();

                speciality = d.nextLine();

                d.close();

                //status = GetStatus(id);

                return new Doctor(id, name, phone, address, speciality);

            } else {

                System.out.println("Account does not exists.");

            }

        } catch (IOException e) {

            System.out.println("An error occurred.");

            e.printStackTrace();

        }

        return null;

    }

}

**-----------------------------------------------------------------------------------------------------------------------------------------------------**

**Current User :**

package FileUtils;

import java.io.\*;

import java.util.\*;

public class CurrentUser{

    public void UpdateUser(String id ,String role){

        File user = new File("cuser.txt");

        try {

            FileWriter fw = new FileWriter(user);

            BufferedWriter bw = new BufferedWriter(fw);

            bw.write(id + "\n" + role);

            bw.close();

            fw.close();

        } catch (IOException e) {

            System.out.println("An error occurred.");

            user.delete();

            e.printStackTrace();

        }

    }

    public String GetUser(){

        String id;

        try{

            File user = new File("cuser.txt");

            if(user.exists()) {

                Scanner s = new Scanner(user);

                id = s.nextLine();

                s.close();

                return id;

            } else {

                System.out.println("Account does not exists.");

            }

        } catch (IOException e) {

            System.out.println("An error occurred.");

            e.printStackTrace();

        }

        return "";

    }

    public String GetRole(){

        String role;

        try{

            File user = new File("cuser.txt");

            if(user.exists()) {

                Scanner s = new Scanner(user);

                role = s.nextLine();

                role = s.nextLine();

                s.close();

                return role;

            } else {

                System.out.println("Account does not exists.");

            }

        } catch (IOException e) {

            System.out.println("An error occurred.");

            e.printStackTrace();

        }

        return "";

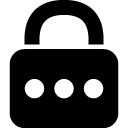
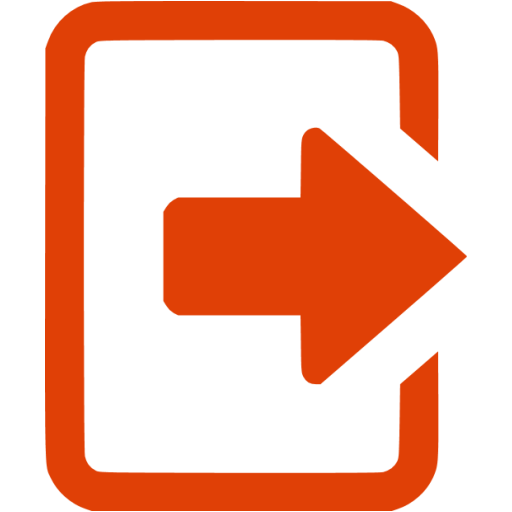
    }

}

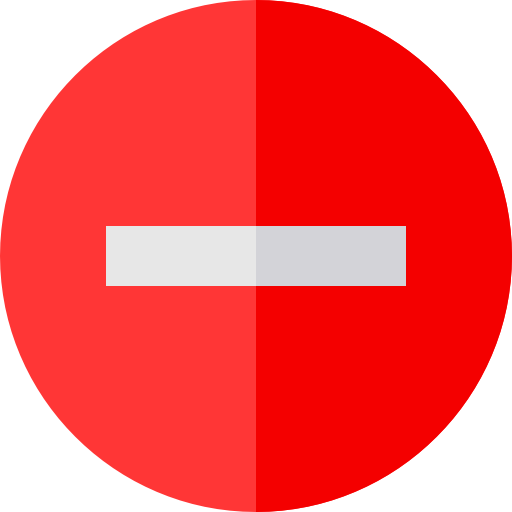
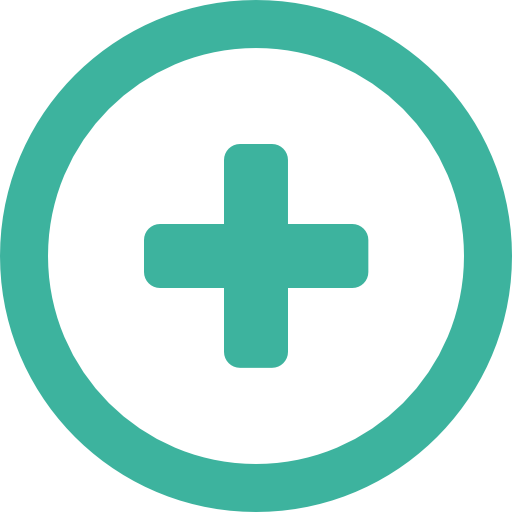
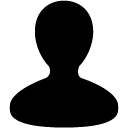
**IMAGES**

**   **

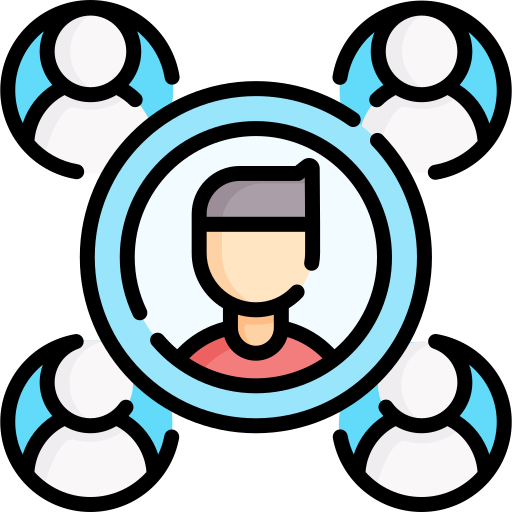
Appointment.png checkup.png file.png icon.png

**   **

icon1.png lock.png logout.png man.png

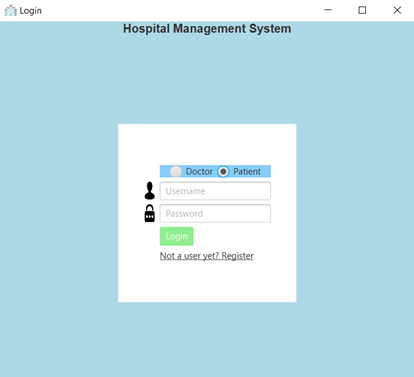
**   **

minus.png plus.png q&a.png user.png

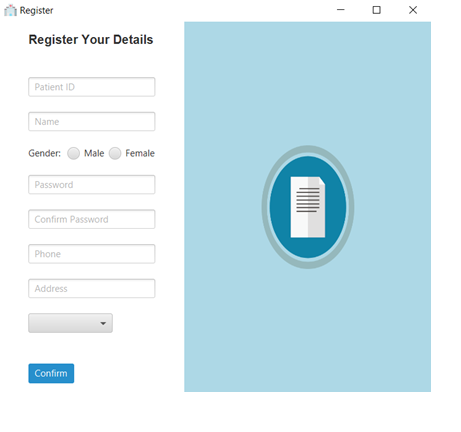
****

user\_profile.png

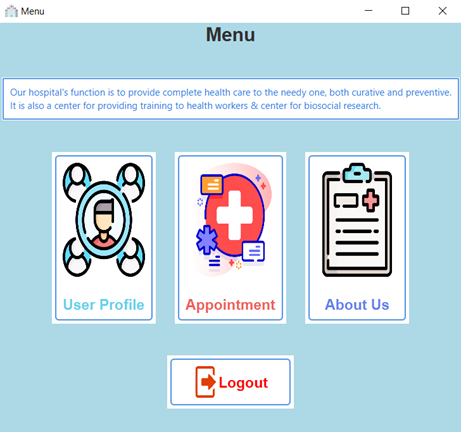
**SCREENSHOTS**

****

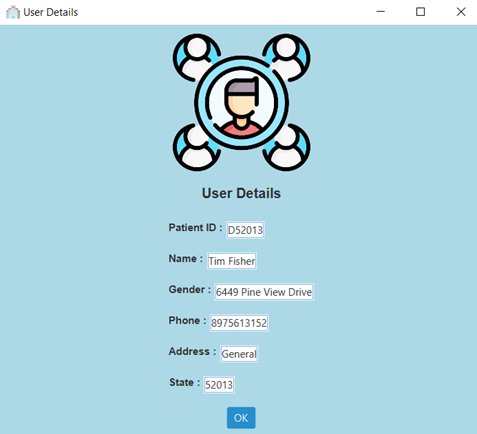
**Login Screen :** This Screen lets the user login using username and password in their roles and also register if patient is not registered.

****

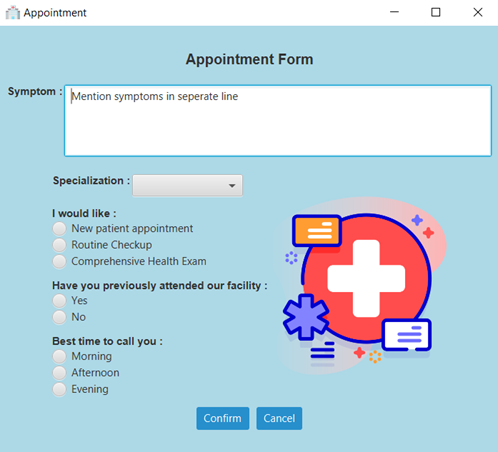
**Register Screen :** This screen lets the patient register his details in the hospital system by entering some basic details about them.

****

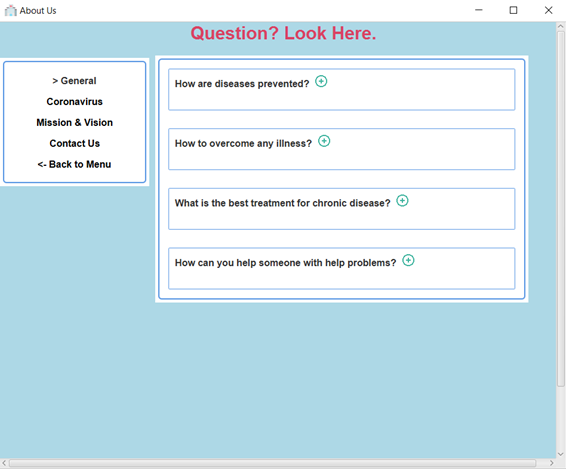
**Menu Screen :** This screen is the home page for patient and it acts as a gateway to the other pages such as user profile, appointment and about us pages and it also gives the option to the patient to logout of his/her account.

****

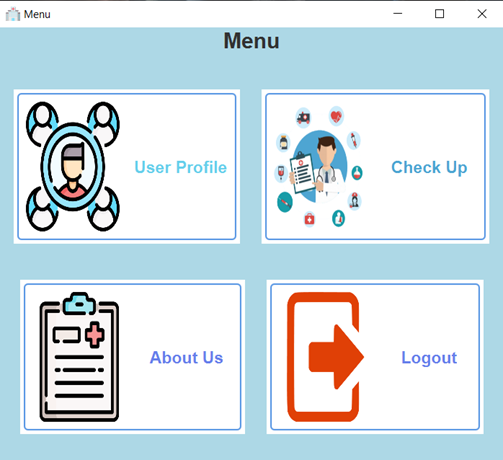
**Patient Details :** This screen shows the patient details which includes all the details which the patient entered while registering for an account.

****

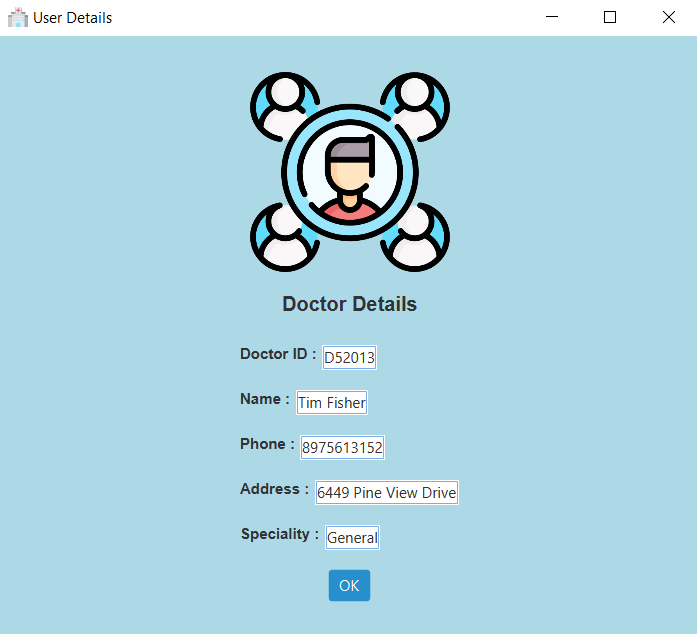
**Appointment Screen :** This screen lets the user to fill the form for appointment and it acts as one of the main pages as this is the screen which directly communicates with one of the pages of the doctor side.

****

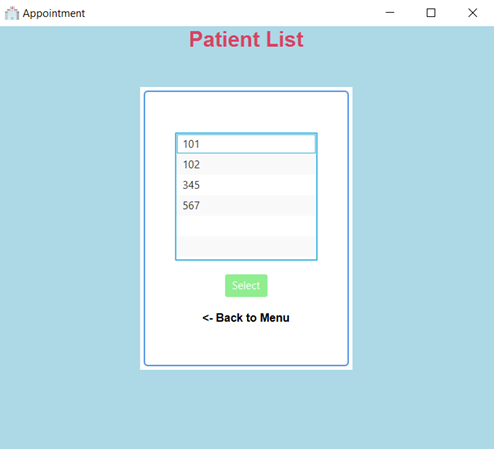
**About Us Screen :** This screen shows FAQs, information about COVID-19 and how to protect yourself from it, the main goals of the hospital and details of the developers.

****

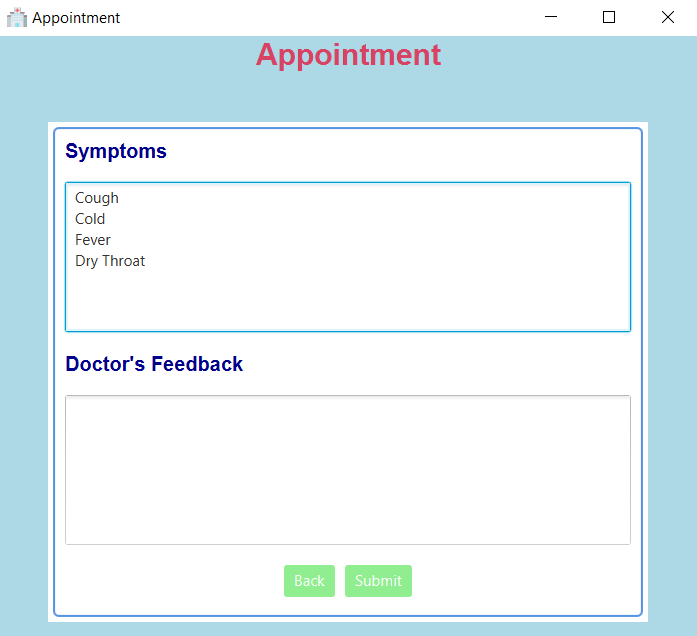
**Doctor’s Menu :** This screen is the home page for the doctor which gives the options such as user profile, check up and the option to view the FAQ page.

****

**Doctor Details :** This screen shows the doctor details which are stored in the hospital’s database and are used to identify doctors.

****

**Appointment (1) :** This screen shows the appointment list to doctor and let him select any one patient appointment so that he/she can give his/her feedback to the patient.

****

**Appointment (2) :** This screen shows the appointment details of a patient to the doctor and let him give his feedback upon proper analysis using the given symptoms and other necessary information (if specified).