ASSIGNMENT # 2

ZARA BAIG SP24-BSE-128 SECTION A

CODE

```
package com.example.dataentry;
         public class DataEntryForm extends Application {
 24 © @
              public void start(Stage stage) throws IOException {
                  VBox box = new VBox();
                  box.getChildren().add(imageView);
                  gridPane.setPadding(new Insets( v: 20));
                  gridPane.setVgap(10);
                  GridPane.setMargin(nameLabel, new Insets( v: 0, v1: 0, v2: 0, v3: 50));
                  gridPane.add(name, i: 1, i1: 1);
                  Label fatherNameLabel = new Label( s: "Father's Name"); fatherNameLabel.setFont(Font.font( s: "Times New Roman", v: 18));
                  fatherNameLabel.setAlignment(Pos.BOTTOM_LEFT);
                  gridPane.add(fatherNameLabel, i: 0, i1: 2);
                  TextField fatherName = new TextField();
```

```
Label cityLabel = new Label(s: "City");

cityLabel.setFont(Font.font(s: "Times New Roman", v. 18));

cityLabel.setAlignment(Pos.BOTTOM_LEFT);

GridPane.setMargin(cityLabel, new Insets(v. 0, VE 0, VE 0, VE 0, VE 0);

gridPane.add(cityLabel, E 0, HE 3);

ComboBox<String> city = new ComboBox<>();

city.getItems().addAl([..es: "New York", "Florida", "Washington", "Miami");

city.setValue("Select a City");

gridPane.add(city, HE 1, HE 3);

Label addressLabel = new Label(s: "Address");

addressLabel.setFont(Font.font(s: "Times New Roman", v. 18));

addressLabel.setAlignment(Pos.BOTTOM_LEFT);

GridPane.setMargin(addressLabel, new Insets(v. 0, vt. 0, vt. 0, vt. 0, vt. 0, vt. 0);

gridPane.add(addressLabel, HE 0, HE 4);

TextField address = new TextField();

address.setFont(Font.font(s: "Times New Roman", v. 16));

gridPane.add(address, HE 1, HE 4);

GridPane.setMargin(fatherNameLabel, new Insets(v. 0, vt. 0
```

```
TextField email = new TextField();
email.setFont(Font.font(s. "Times New Roman", v. 16));
gridPane.add(email, E.1, 1E.5);
GridPane.setMargin(fatherNameLabel, new Insets( v. 0, vt. 0, vz. 0, v3. 50));

Label genderLabel = new Label(s. "Gender");
genderLabel.setFont(Font.font(s. "Times New Roman", v. 18));
genderLabel.setAlignment(Pos.BOTTOM_LEFT);
GridPane.setMargin(genderLabel, new Insets( v. 20, vt. 0, vz. 0, v3. 50));

gridPane.add(genderLabel, E.0, 1E.6);

RadioButton radioButton = new RadioButton(s. "Male");
RadioButton radioButton1 = new RadioButton(s. "Female");
radioButton.setFont(Font.font(s. "Times New Roman", v. 14));

vadioButton.setFont(Font.font(s. "Times New Roman", v. 14));

VBox genderBox = new VBox();

ToggleGroup genderToggleGroup = new ToggleGroup();
radioButton1.setToggleGroup(genderToggleGroup);
genderBox.getthlidren().addAtl(radioButton), radioButton1);
genderBox.setSpacing(S);
GridPane.setMargin(genderBox,new Insets( v. 0, vt. 0, vz. 0, v3. 50));
gridPane.add(genderBox, E.0, 1E.7);
```

```
submit.setOnAction( ActionEvent e -> {

String userName = name.getText().trim();

String userFatherName = fatherName.getText().trim();

String userAddress = address.getText().trim();

String userAddress = address.getText().trim();

String userAddress = address.getText().trim();

String userEmail = email.getText().trim();

RadioButton selectedGender = (RadioButton) genderToggleGroup.getSelectedToggle();

String userGender = selectedGender.getText();

UserInfo newUser = new UserInfo(userName, userFatherName, userCity, userAddress, userEmail, userGender);

userInfo.add(newUser);

System.out.println(newUser);

popenNewScene(stage, newUser);

});

Scene scene = new Scene(box, v. 580, vt. 650);

box.setBackground(new Background(new BackgroundFill(Color.ANTIQUEWHITE, CornerRadii.EMPTY, Insets.EMPTY)));

box.getChildren().add(gridPane);

stage.setTitle("Data Entry Form");

stage.setTitle("Data Entry Form");

stage.setResizable(false);

stage.setResizable(false);

stage.setResizable(false);
```

```
private void openNewScene(Stage stage, UserInfo user) { 1 usage

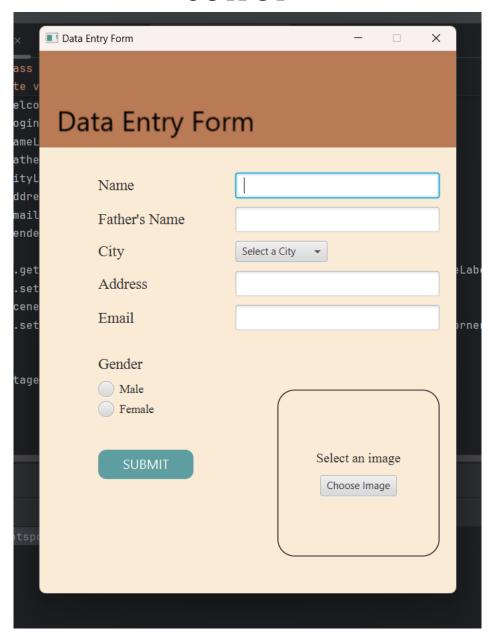
VBox v = new VBox(v:10);
v.setPadding(new Insets(v:20));
v.setAlignment(Pos.TOP_CENTER);

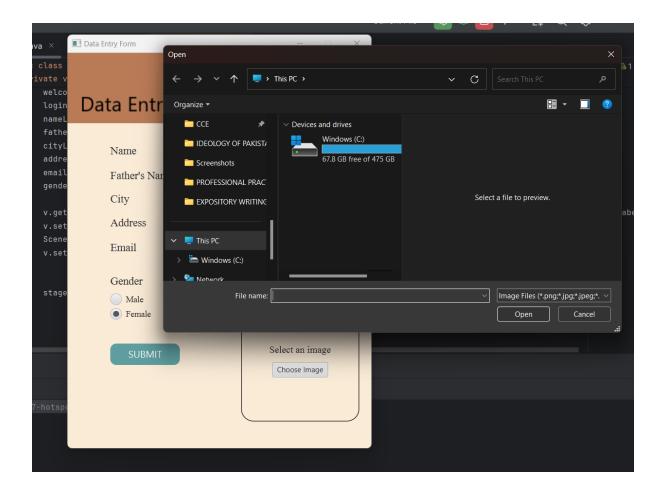
Label welcomeLabel = new Label(s: "WELCOME!");
Label loginLabel = new Label(s: "Login Info");
Label nameLabel = new Label(s: "Name: " + user.getName());
Label fatherNameLabel = new Label(s: "Father's Name: " + user.getFatherName());
Label cityLabel = new Label(s: "City: " + user.getCity());
Label addressLabel = new Label(s: "Address: " + user.getAddress());
Label emailLabel = new Label(s: "Email: " + user.getEmail());
Label genderLabel = new Label(s: "Gender: " + user.getGender());

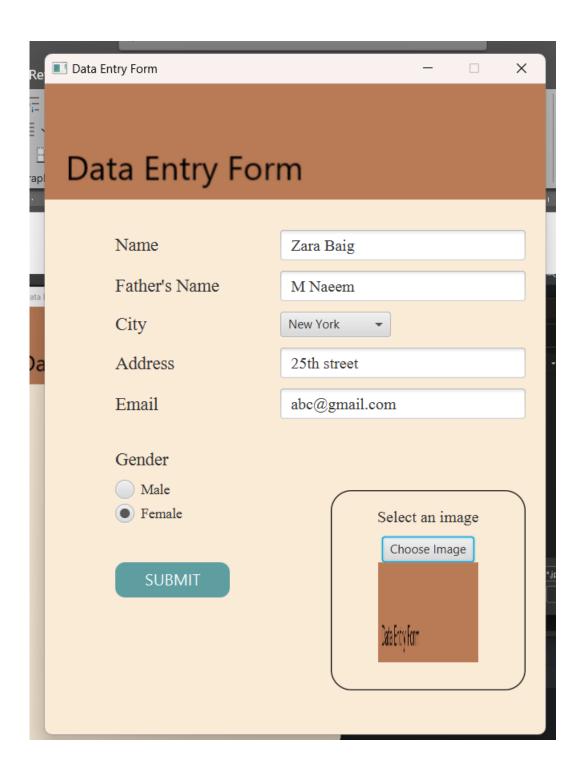
welcomeLabel.setFont(Font.font(s: "Times New Roman", v: 20));
nameLabel.setFont(Font.font(s: "Times New Roman", v: 20));
nameLabel.setFont(Font.font(s: "Times New Roman", v: 18));
cityLabel.setFont(Font.font(s: "Times New Roman", v: 18));
emailLabel.setFont(Font.font(s: "Times New Roman", v: 18));
genderLabel.setFont(Font.font(s: "Times New Roman", v: 18));
genderLabel.setFont(Font.font(s: "Times New Roman", v: 18));
```

```
v.getChildren().addAll(welcomeLabel,loginLabel,nameLabel, fatherNameLabel, cityLabel, addressLabel, emailLabel, genderLabel);
v.setSpacing(10);
Scene newScene = new Scene(v, v: 500, v1: 650);
v.setBackground(new BackgroundFill(Color.LAVENDER, CornerRadii.EMPTY, Insets.EMPTY)));
vsetBackground(new BackgroundFill(Color.LAVENDER, CornerRadii.EMPTY, Insets.EMPTY)));
stage.setScene(newScene);
```

OUTPUT









"C:\Program Files\Eclipse Adoptium\jdk-21.0.4.7-hotspot\bin\java.exe" ...
User Name: Zara Baig | Father Name: M Naeem | City: New York | Address: 25th street | Email: abc@gmail.com | Gender: Female