

Object Oriented Programming Lab Assignment 3

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Project:

Marriage Application (Partially Completed)

Overview:

The application works in the following sequence. It has the following screens.

Screen no.1:

This screen stays for a few seconds for as long as the progress bar loads.



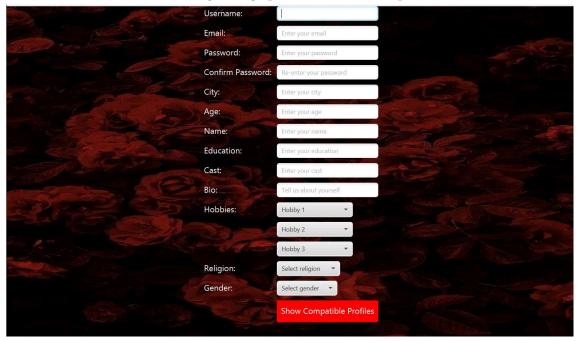
Screen no.2:

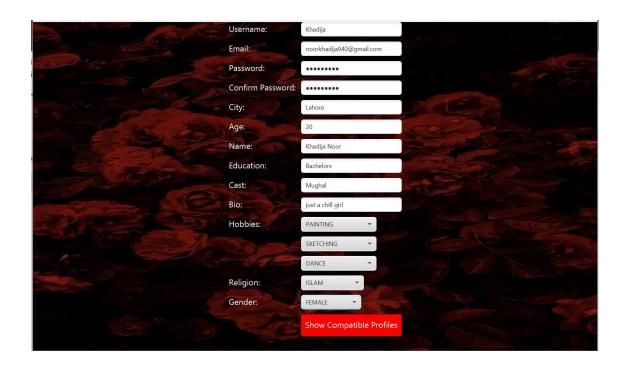
This screen has one button that takes you to the next screen when clicked upon.



Screen no.3:

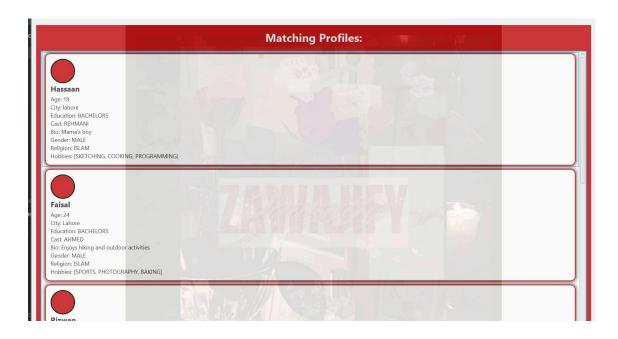
This screen shows a menu with text input boxes. It allows the user to add their data in them with certain conditions e.g. using special characters in password, etc.





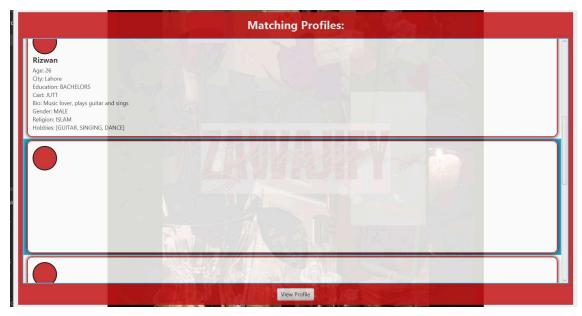
Screen no.4:

When clicked on the button 'Show Compatible Profiles', it shows a list of profiles that match with the details added.



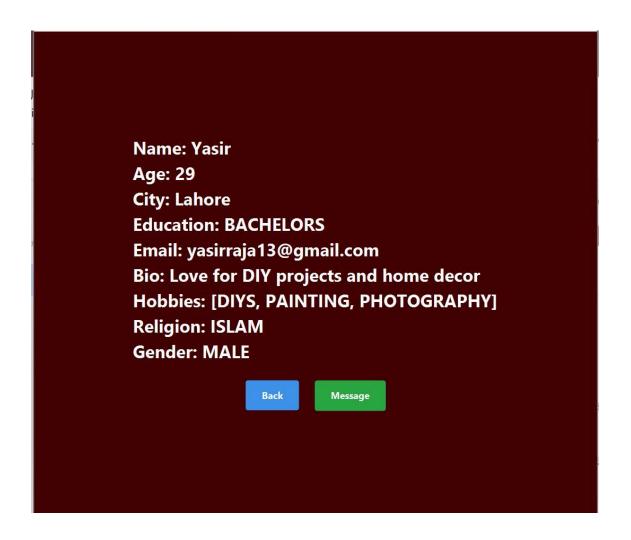
Screen no.5:

When clicked on any profile, you can view it by then clicking on the 'View Profile' button.



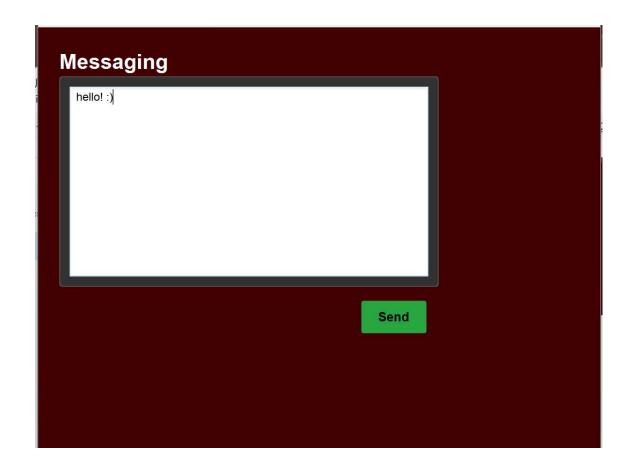
Screen no. 6:

The profile details are shown. The back button takes you back to the previous screen of the list of profiles.



Messaging:

You can message the person as shown:



Code and functioning of the Screens:

Following are the code snippets and functioning of the screens.

HelloApplication Class:

This class basically starts the program and sets the stage of the application.

```
package com.example.connect;

import ...

public class HelloApplication extends Application {
    private Stage primaryStage; nousages
    private Scene startupScene, intermediateScene, signupScene, matchingProfilesScene, detailedProfileScene; nousages
    private ArrayList<Profile> profiles; nousages

@Override
    public void start(Stage stage) throws IOException {
        try {
            FXMLLoader loader = new FXMLLoader(HelloApplication.class.getResource( name: "startupScene.fxml"));
            Scene scene = new Scene(loader.load());
            stage.setScene(scene);
            stage.show();
        } catch (Exception e) {
            e.printStackTrace();
        }
    }

public static void main(String[] args) { launch(args); }
}
```

IntermediateController Class:

This class creates a link between the GUI and the functioning code.

It loads the FXML files from the code and also inputs the font used in the application.

SignupUser Class:

Takes input from the user.

```
public class Signup_user {

private static String city; 2 usages

private static int age; 2 usages

private static String name; 2 usages

private static String education; 2 usages

private static String cast; 2 usages

private static String bio; 2 usages

private static ArrayList<Hobbies> hobby = new ArrayList

private static Religion religion; 2 usages

private static Gender gender; 2 usages

private static int userId; 2 usages

private static String username; 2 usages

private static String email; 2 usages

private static String email; 2 usages

private static String password; 2 usages
```

SignController Class:

Stores data.

Match Class:

Checks for matches.

FXML Files:

They run the gui.

Messaging Class: