

User Management System

This is a very simple user management system.

Task 1: Marks: 5

Design the following screen: This should be the first screen to display.

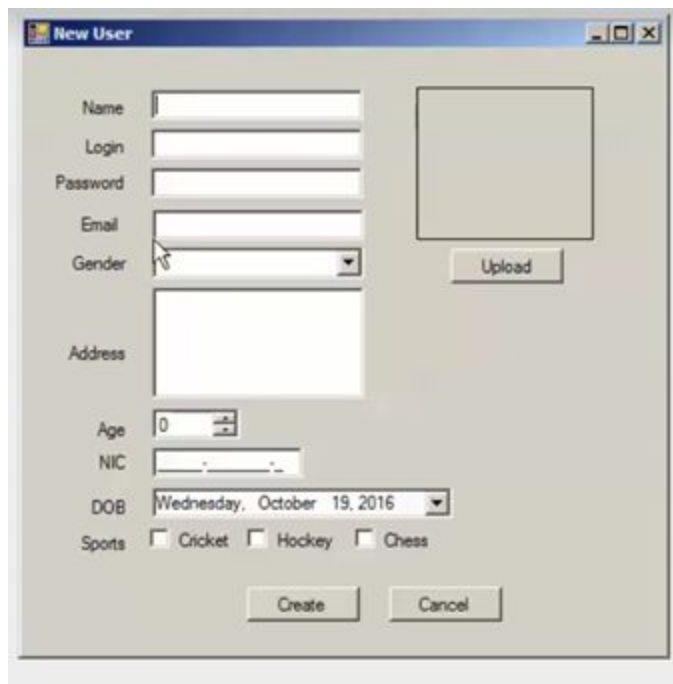


Task 2: Marks: 30

Consider the **MAIN SCREEN**



If user press the **NEW USER** button then following screen must be displayed.

A screenshot of a Windows-style application window titled "New User". The window has a standard title bar. The main content area is light gray and contains a form for creating a new user. The form has the following fields and controls: "Name" (text input), "Login" (text input), "Password" (text input), "Email" (text input), "Gender" (dropdown menu), "Address" (text area), "Age" (spin box with value 0), "NIC" (text input), "DOB" (date picker showing "Wednesday, October 19, 2016"), and "Sports" (checkboxes for "Cricket", "Hockey", and "Chess"). There is an "Upload" button next to a large empty box for a profile picture. At the bottom of the form are "Create" and "Cancel" buttons.

This screen must be opened up. User have to fill in all fields and upload a picture as well. You have to put validations on all fields and none of the fields or the image box must be left emptied. You can use to display a **MESSAGE BOX** in case

user press **CREATE** without filling in all the fields. Moreover if a user already exists with same Login or Email, the user account should not be created and must be displayed a message that “User Already Exist”.

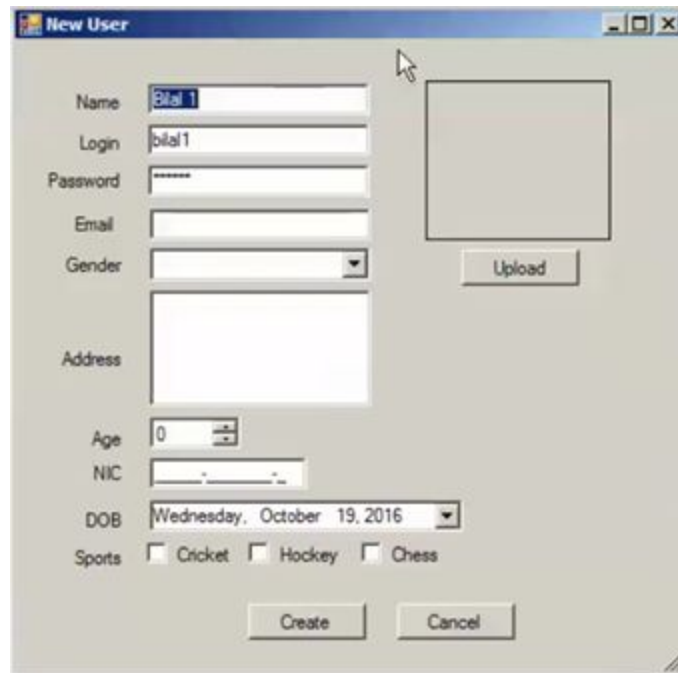
Note: all these entries are to be made in dbo.Users in database (look at end of assignment).

Next when user have entered all fields and press **CREATE** you are to close this screen and open up the following screen.



Here if the user clicks on the **LOGOUT** button simply close this screen and return to **MAIN SCREEN**.

However if user press the **EDIT PROFILE** Button then following Screen must be displayed:



Here if user clicks **CANCEL** no changes are made to the profile else if create is clicked then update all the fields for which values were provided.
Pressing either the button must also close this window and get back the **HOME SCREEN**.

Task3: Marks: 25

Consider the **MAIN SCREEN** again:



Now if user press the **EXISTING USER** button following **LOGIN SCREEN** must be shown.




Now if user Presses **CANCEL** get back to **MAIN SCREEN**.

If User Press **LOGIN** then first validate all fields. Then check for a matching Login and password. If no match found then display **Error Message** else go to **HOME SCREEN** which is described in task2.

If user presses **RESET PASSWORD** then if email address exists, a code will be sent on that email else display Error Message.

Next a reset password screen would be shown where user will enter that code in "Reset Password" Field.

A Windows-style dialog box titled "Enter Reset Code". It has a light gray background and a blue border. Inside, the text "Enter Code" is centered above a white text input field. Below the input field is a blue button with the text "Confirm".

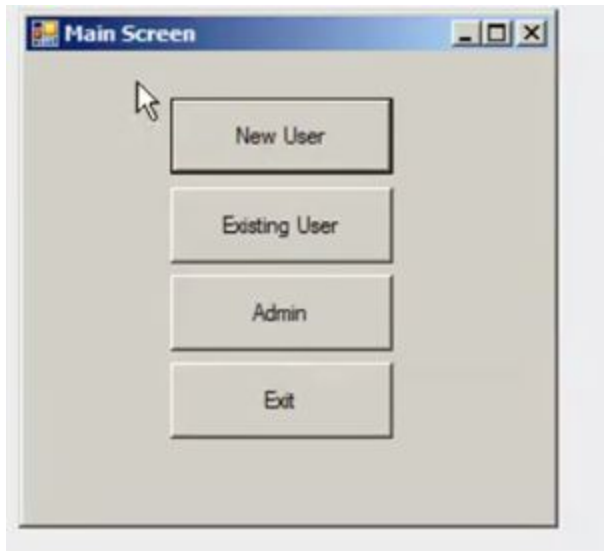
If correct code is entered, user will see password field, user will provide new password in the field and will click on update, then password in dbo.Users against that user will be updated.

A Windows-style dialog box titled "Update Password". It has a light gray background and a blue border. Inside, the text "Enter New Password" is centered above a white text input field. Below the input field is a blue button with the text "Update".

User will be then redirected to HOME screen.

Task 4: Marks: 40

Consider the **MAIN SCREEN** again:



Now if the user presses **ADMIN** then following screen must be displayed:



If user press **CANCEL** get back to **MAIN SCREEN**. Else if user press **LOGIN** Validate then look for a matching record in the `dbo.Admin` (for details look at the end of assignment). If Admin does not exist then display Error Message. Else following screen must be displayed:

Admin Home

Logout

Users

	UserID	Name	Login	Address	Age	Edit
▶	1	Bilal 1	bilal1	Lahore 1	30	Edit
	2	Bilal 2	bilal2	Lahore 2	30	Edit
	3	Bilal 3	bilal3	Lahore 3	30	Edit

This screen shows all records from the `dbo.Users`. If the admin clicks **LOGOUT** then go back to **MAIN SCREEN**. However if user presses the edit button for any record then following screen must be opened where admin can change that record:

New User

Name:

Login:

Password:

Email:

Gender:

Address:

Age:

NIC:

DOB:

Sports: ☐ Cricket ☐ Hockey ☐ Chess

Upload

Create Cancel

This screen looks like the New User Screen before but in the case when opened by Admin all the fields must be filled out with values from the record from `dbo.Users`.

In this case if Admin press **CANCEL** then close Screen and get back to Admin **HOME SCREEN**. Else make the required changes in dbo.Users and return to Admin **HOME SCREEN**. (perform all validations on data being entered)

Instructions:

The name of your database must be **Assignment4**. You are to create the following two tables in your database:

dbo.Users having following structure:

	Column Name	Data Type	Allow Nulls
PK	UserID	int	<input type="checkbox"/>
	Name	varchar(50)	<input type="checkbox"/>
	Login	varchar(50)	<input type="checkbox"/>
	Password	varchar(50)	<input type="checkbox"/>
	Gender	char(1)	<input type="checkbox"/>
	Address	varchar(50)	<input type="checkbox"/>
	Age	int	<input type="checkbox"/>
	NIC	varchar(20)	<input type="checkbox"/>
	DOB	date	<input type="checkbox"/>
	IsCricket	bit	<input type="checkbox"/>
	Hockey	bit	<input type="checkbox"/>
	Chess	bit	<input type="checkbox"/>
	ImageName	varchar(50)	<input type="checkbox"/>
	CreatedOn	datetime	<input type="checkbox"/>
			<input type="checkbox"/>

Column Properties	
Identity Specification	Yes
(Is Identity)	Yes
Identity Increment	1
Identity Seed	1
Indexable	Yes

dbo.Admin having following structure:

Column Name	Data Type	Allow Nulls
AdminID	int	<input type="checkbox"/>
AdminName	varchar(50)	<input type="checkbox"/>
Login	varchar(50)	<input type="checkbox"/>
Password	varchar(50)	<input type="checkbox"/>
		<input type="checkbox"/>

Column Properties	
Deterministic	Yes
DTS-published	No
Full-text Specification	No
Has Non-SQL Server Subscriber	No
Identity Specification	Yes
(Is Identity)	Yes
Identity Increment	1
Identity Seed	1
Indexable	Yes