**Problem Statement: WPF User Management System**

1. Design and implement a WPF-based User Management System

2. Display a list of users in a grid or list view

3. Show user details in the same window, without using a separate form

4. Implement data validation for user input

5. Implement navigation in the grid such that5. selecting a user updates the user details section

6. Use appropriate design pattern to separate the UI and logic

7. Use appropriate available techniques for uniform look and feel

8. Use layout panels for proper positioning of elements

9. Provide a clean, intuitive, and responsive user interface that adheres to WPF best practices

10. Support Add, Update and Delete

11. Support search with label Search and a text box in the same form.

12. The text entered in the search textbox should be compared with all the fields mentioned below

and the matching records should be shown in the users grid.

**User Attributes:**

1. First Name

2. Last Name

3. Email

4. Phone Number

5. Address

6. City

7. State

8. Zip Code

9. Date of Birth

9. Profile Picture (Optional, nice to have)

**NOTE:**

1. Maintain customer list in memory only. That means upon restart of application list will be empty.

2. Do not use third party controls.

3. Submit solution with source code in two days.

4. Add read me file which will include all the instructions to run the solution.