## Lemonjax ASP.NET Exam

#### Time limit: 1 Hour and 30 minutes.

- 1. Create a new database named "dbCrud"
- 2. On this database, create a table named "Users" with the following columns:

```
UserID – Primary key, Index Specification – (Is Identity) Yes
FirstName – nvarchar(50)
LastName – nvarchar(50)
Birthday - date
Email – nvarchar(100)
UserType – nvarchar(20)
Status – nvarchar(20)
DateAdded – datetime
```

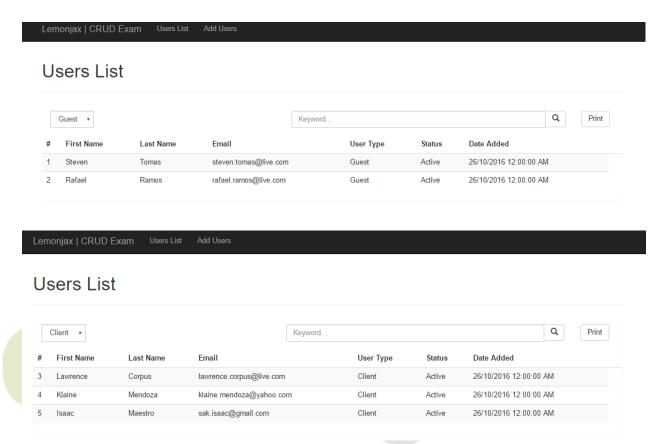
- 3. Generate to a script the newly created table and name it "dbCrud"
- 4. Proceed to "Add.aspx".
- 5. Create appropriate forms (textboxes, labels, drop down list etc.) for inserting records into the newly created database using proper Bootstrap/CSS formatting. (Note: surround textboxes and labels into form-group classes).
- 6. Set all textboxes to "required"
- 7. Birthday should be a datepicker text mode.
- 8. In the code behind file ("Add.aspx.cs"), initialize SqlConnection and SqlCommand to proceed into creating proper sql commands to INSERT INTO database table (dbCrud).

## Add Users

First Name	
First Name	
Birthday	dd/mm/yyyy
Email	
User Type	Guest
Status	Active •
	Add

- 9. The page should Redirect into Default.aspx where the table should reflect the records inserted into the database.
  - 10. Proceed to "Default.aspx"
  - 11. Here, you are tasked to create proper databinding codes using <%# Eval(" ") %> inside Each clauses. The Overall template is already provided such as the drop down list, search box and buttons and table headers.
  - 12. In the code behind file of the form, Default.aspx.cs, Proceed into creating proper database SELECT command text to get records from the database. The method GetUsers(string keyword) has already been provided.
  - 13. In creating the SELECT statement, make use of LIKE " + keyword + "%' for each database column that the search box will look at.

14. Similarly, in the WHERE clause of the SELECT statement, the drop down list (ddl) should also be used to filter user types for Guest and Client.



15. The next feature would be the designing of the Crystal Reports. As seen in the Users List page, the print button has already been placed and is working. When pressed it will redirect the page to another link where the Crystal Reports should appear.



16. The front end and backend codes for the UserReports.aspx are already provided in this project, the only requirement would be designing the reports accordingly to look like this:

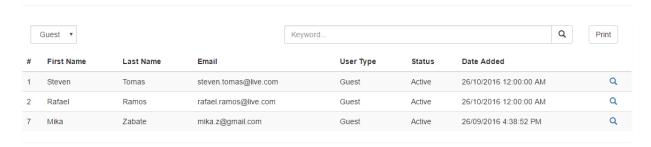


The requirements as seen in the example is:

- a.) Show date printed
- b.) Show page number
- c.) Count of all records. (Hint use formula fields)
- d.) Group tables into user type Client and Guest. (Hint use group name fields)
- 17. Include ability of to update user records by adding a view info button as seen below:

(hint: Use glyphicon iconset built into the project)

### Users List



18. With a similar form design and labels to the add users page, create a update page that will display the information of the selected record and update changes in the update form.

# **Update Record**

First Name	Steven	
Last Name	Tomas	
Birthday	01/09/2016	
Email	steven.tomas@live.com	
User Type	Guest	•
Status	Active	•
	Update	

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