Test (20%)

Test instructions (re-read after finishing):

- DO NOT Share code between students. Cheating will result in 0% and being reported to the college.
- In-class (online), open book test. Max time: 2 hours.
- When finished: Click on Build→ Clean Solution. Close Visual Studio. Zip solution and submit on Lea.
- **IMPORTANT**: Create a new ASP.NET Core project called ***TEST-YOUR-STUDENT-ID***
- Store the data to a local database named: ***Test2020***

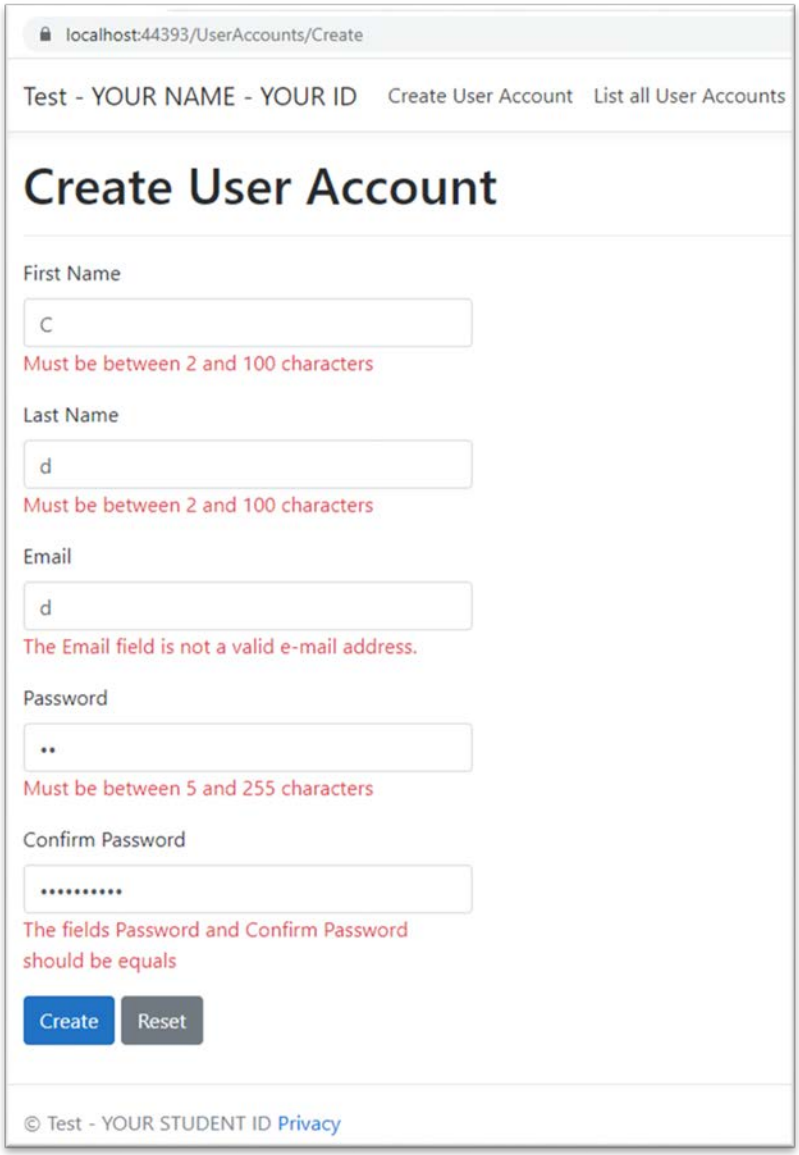
Create a User Account page with front-end and back-end input validation, and store the entry in the database.

a) In the nav bar, **add your name** and you **student ID**. **Add your student ID** in the footer as well. Create the 3 links seen after your student id.

b) Input validations:
   1. All fields are required.
   2. Add the same requirements as in the picture.
   3. ConfirmPassword must verify that it matches the Password.
   4. All error messages appear in red.

c) The **Reset** button erases all fields in the form.

d) Make the default page the Create User Account page.



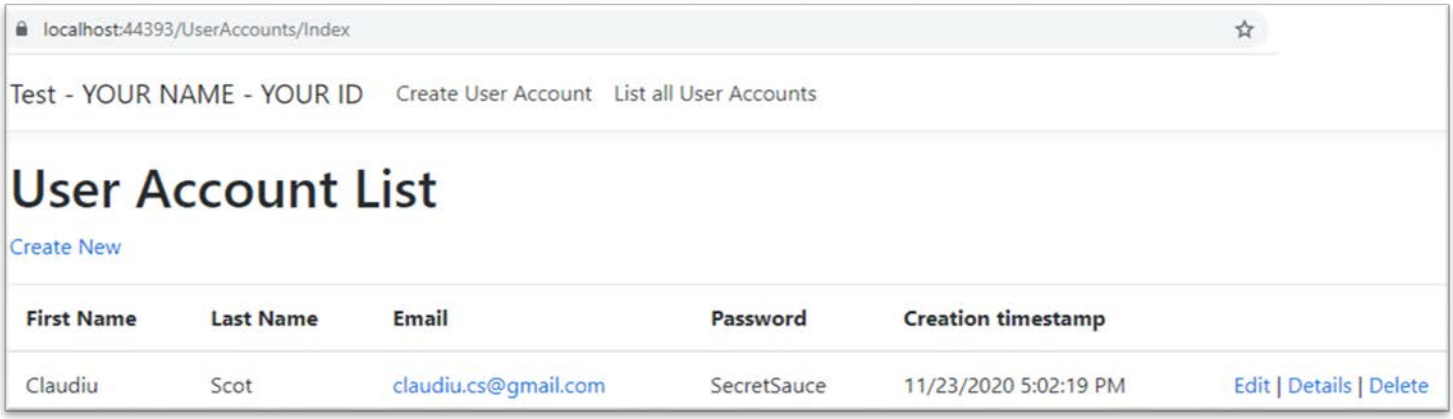
e) Use any of the (unordered) data annotations below:

```
[Required(ErrorMessage = "This is required")]
[Display(Name = "The Name")]
[StringLength(200, ErrorMessage = "Must be between 10 and 200 characters", MinimumLength = 10)]
[Compare("Password", ErrorMessage = "Both fields x and Y should be equal")]
[NotMapped]
[Key]
[DataType(DataType.Password)]
[EmailAddress]
```

f) Add data annotation **[NotMapped]** to ConfirmPassword field, to not create the field in the database.

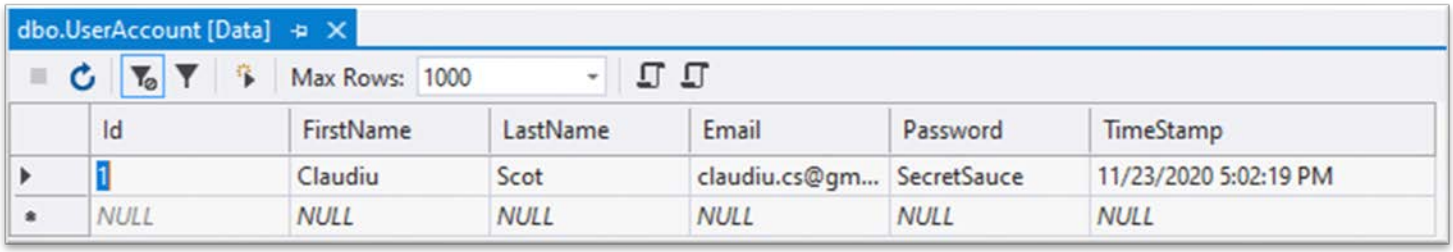
```
[Required]
[DataType(DataType.Password)]
public string Password { get; set; }

[Required]
[DataType(DataType.Password)]
[Compare("Password")]
[NotMapped]
public string ConfirmPassword { get; set; }
```

g) Once the form submits, show the User Account List page:



h) Once the form submits, a user account was created in the local database called ***Test2020***

Assume the emails are unique and that there are no duplicates.



i) When finished:

a. Click on Build → Clean Solution.
b. Go to the folder where the Project is located.
c. Close Visual Studio.
d. In the folder where the Project is located, delete the **bin** and **obj** folders only.
e. Zip the solution folder and submit it on Lea.
f. Re-download the zip.
    i. Unzip and test what you have submitted.

j) Enjoy the rest of the day ☺