



ACME INC.

PROG7311 Task 2 –
README FILE

14/06/2021

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BCAD Year 3, Group 1

README FILE

Application Overview for an e-commerce website

Company – Dewlok Projects (specializing in aluminium shop fronts and windows, suspended ceilings and drywalling, general building and maintenance and so much more!)



PROJECT MANAGEMENT
SHOPFITTING | JOINERY
ALUMINIUM SHOP FRONTS & WINDOWS
SUSPENDED CEILINGS & DRYWALLING
GENERAL BUILDING & MAINTENANCE
TURNKEY SOLUTIONS PROVIDER



This web application has been designed for the company, Dewlok Projects and has the options for users being employees of the company or for customers wanting to make a purchase or receive a quote regarding the above mentioned topics. ASP.NET Core is made use of, and this ensures stability in the project when a user logs into the application since it is a website which has been created. The user's data will be persisted in the SQL database. *See attached database file.

Installation

1. Download Visual Studio 2019. <https://visualstudio.microsoft.com/downloads/>
Select all packages to download so it makes it easier for future use.
2. Download Microsoft SQL Server Management Studio. <https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-ver15>

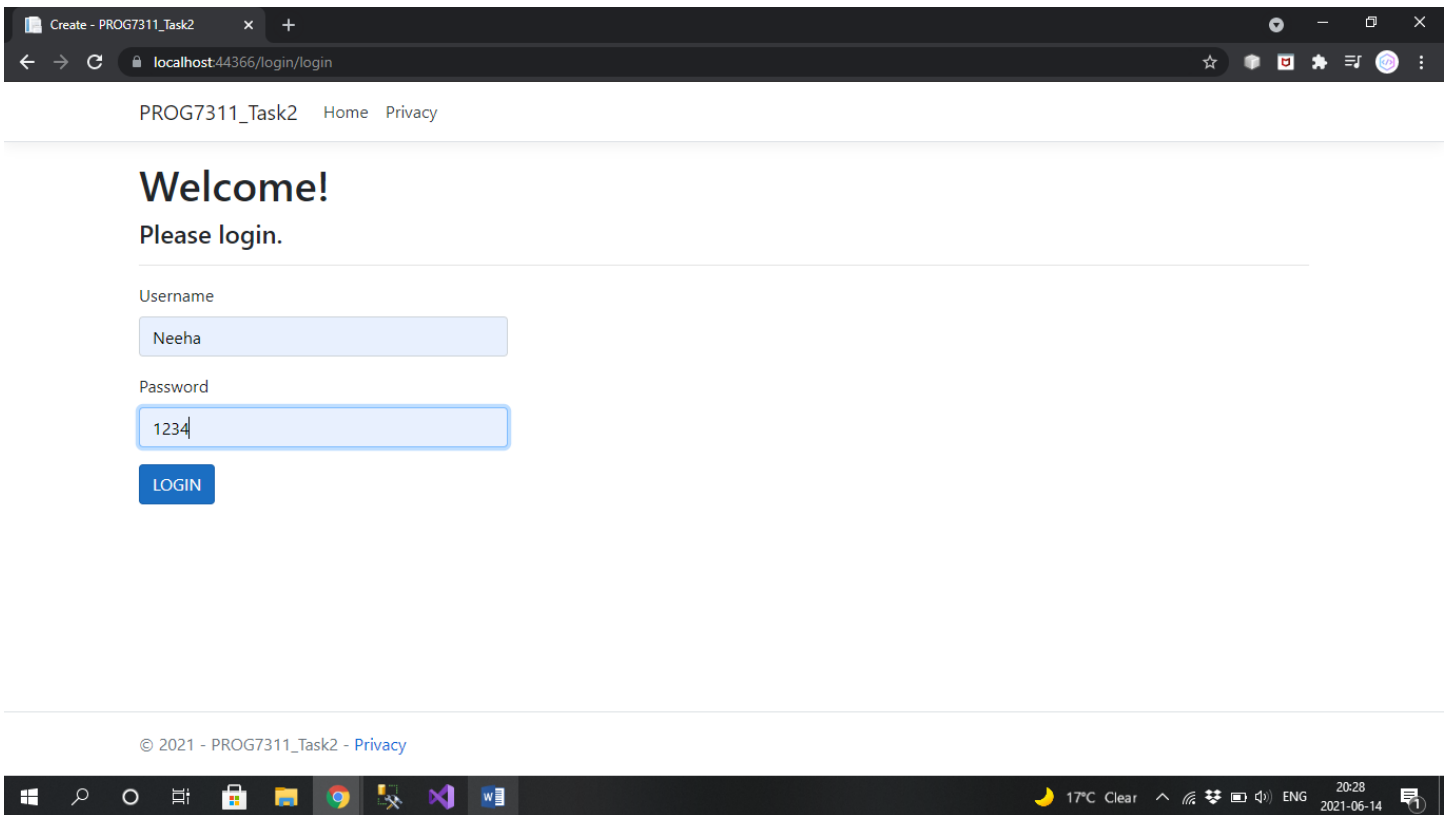
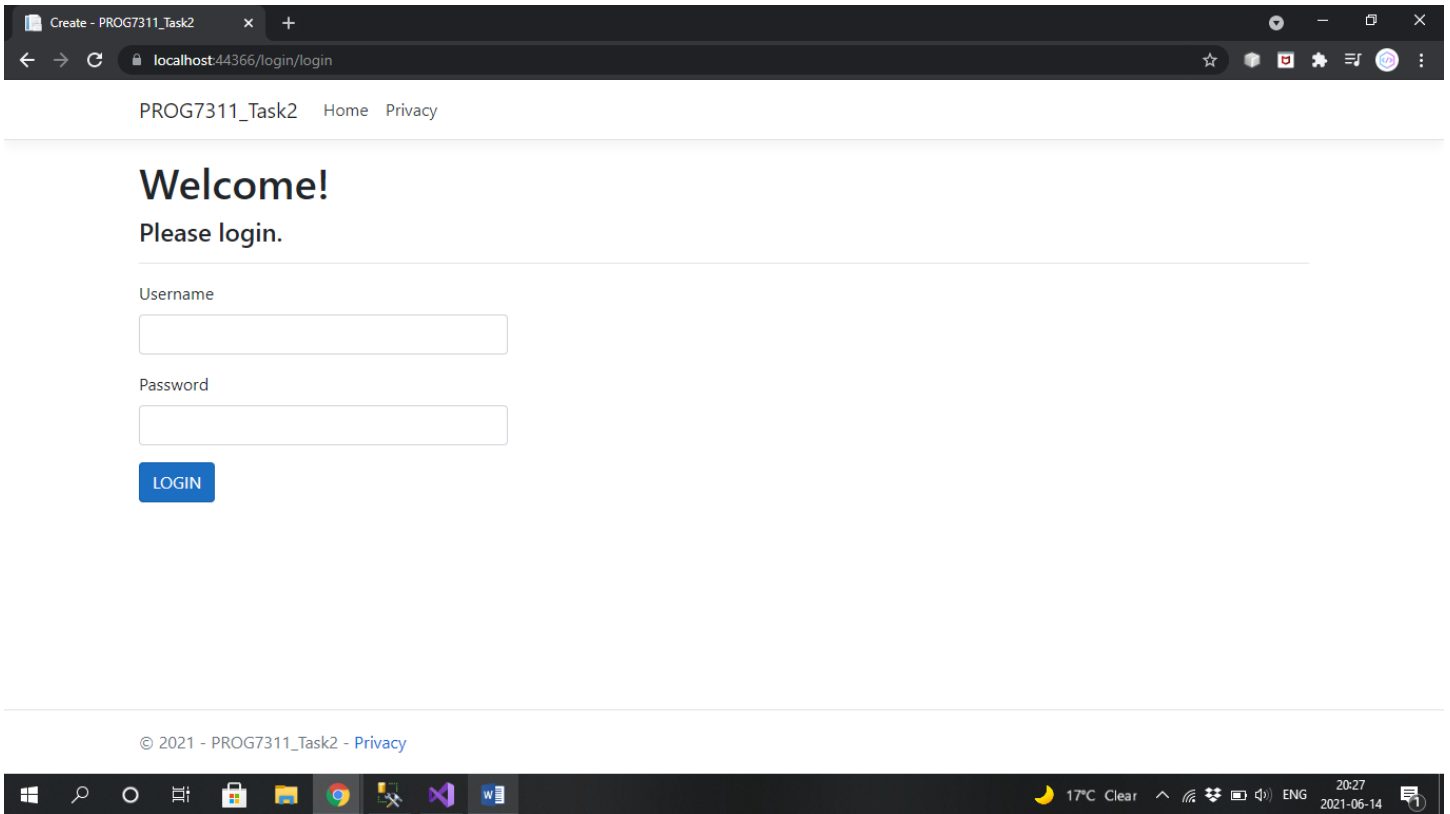
Steps

- Create a database with all the required tables, and sample data which you would like to include when you pull the data from the database into Visual Studio
- Create a new ASP.NET Core project in Visual Studio.
- Connect your database to Visual Studio
- Install NuGet packages by right-clicking on dependencies and install entity framework core, tools, sql server and design.
- Thereafter, navigate to the tools tab and open command line and developer command prompt.
- Follow the instructions in this video on how to install the packages etc:
https://www.youtube.com/watch?v=Z4CyO2wRNnA&list=PL480DYS-b_kcPXdBwVnnH6wDN-cgyMbyH&index=10
- Then you click on the context file and open the link to copy the JSON code
- Go to appsettings.json and after "AllowedHosts" paste the code
- Replace "BloggingDatabase" with your project name
- Copy and paste the connection string from the database connection
- Edit information in the code file
- Run the code file, and it should take you to the website where you can view the different pages

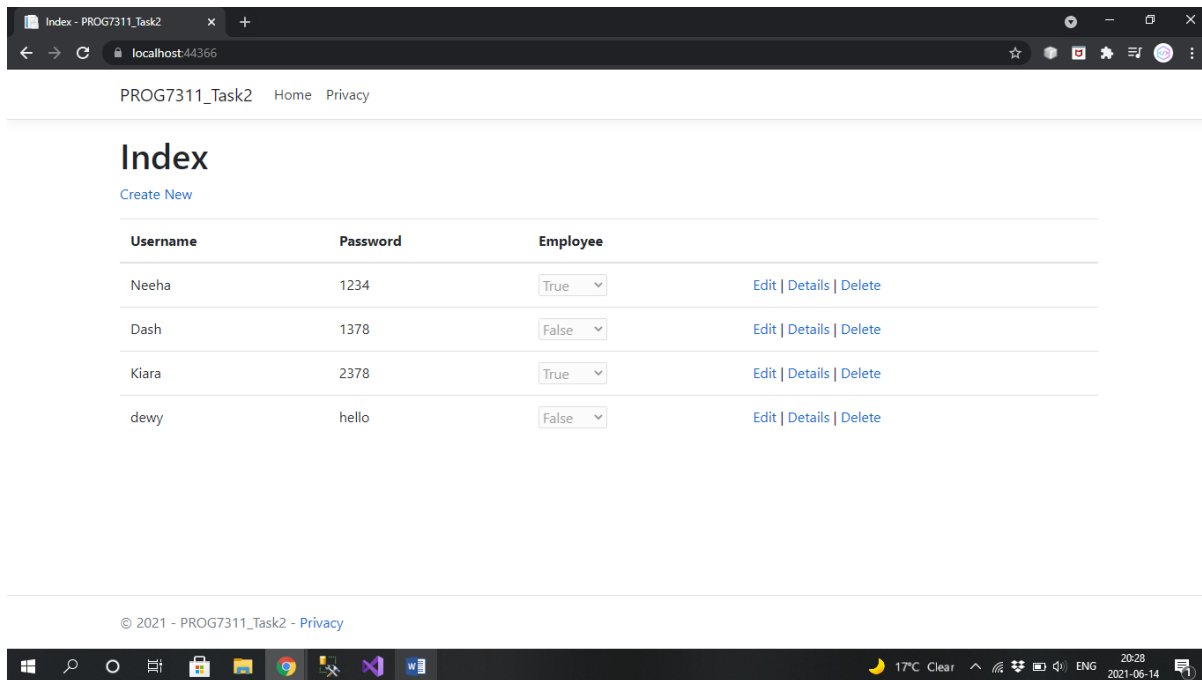
Functionality

The pages below display the login screen where the user will be allowed to enter their username and password and this can be retrieved from the database. Eg. username = Neeha and Password = 1234.

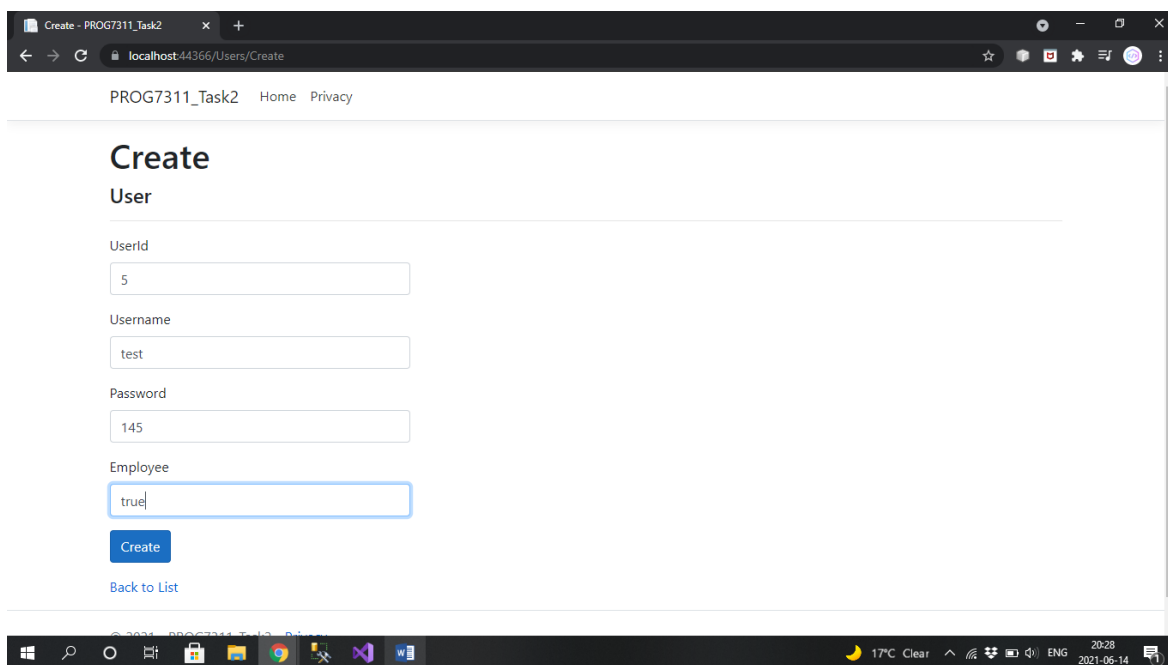
In order to access the login screen, the user needs to enter **/login/login** after the localhost:44366 and they will be able to login once they have clicked on the button.

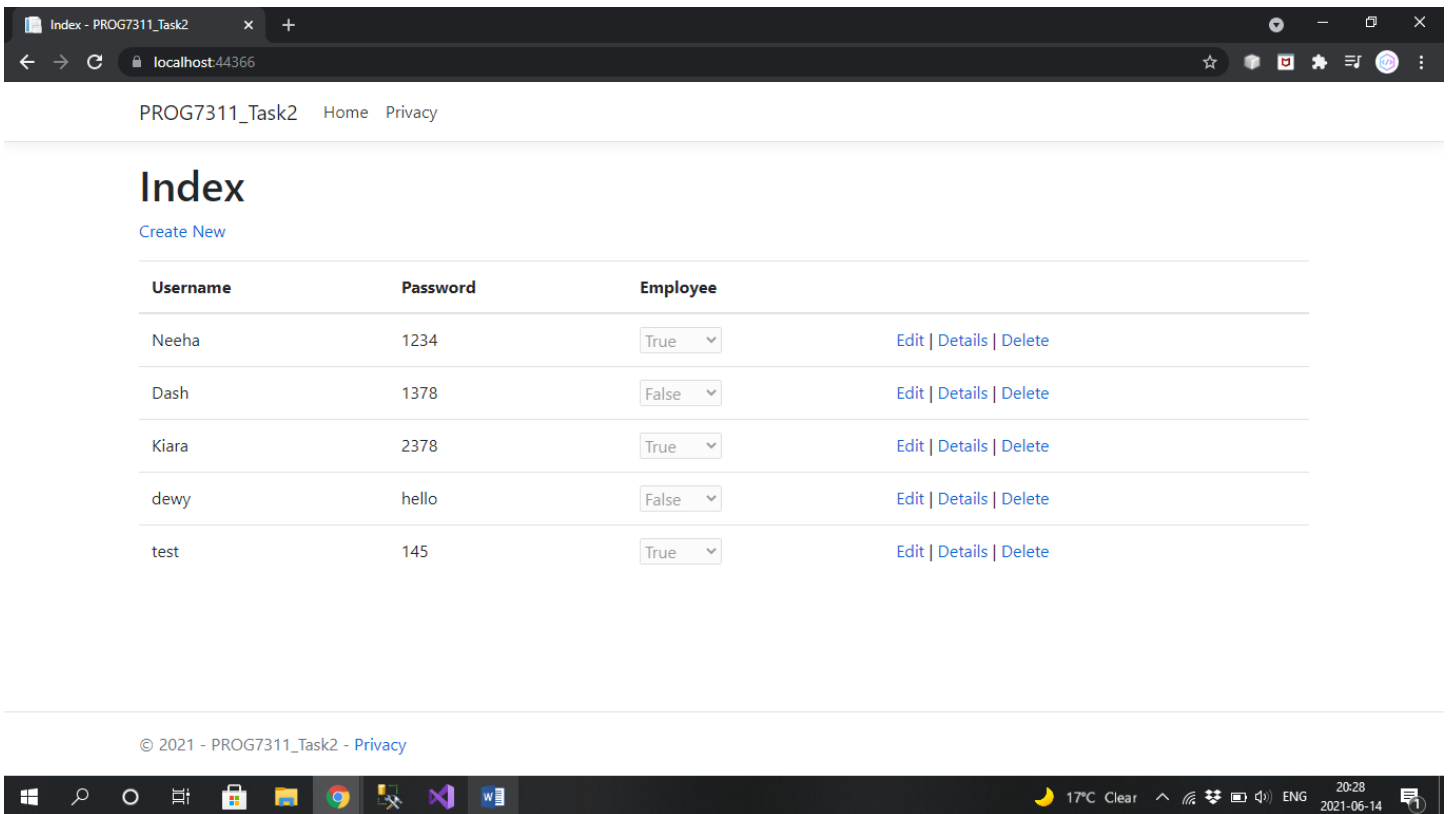


Once the user has logged in, the index page is where they will be able to view the users which have already been stored in the database as well as their passwords and whether they are an employee or not.

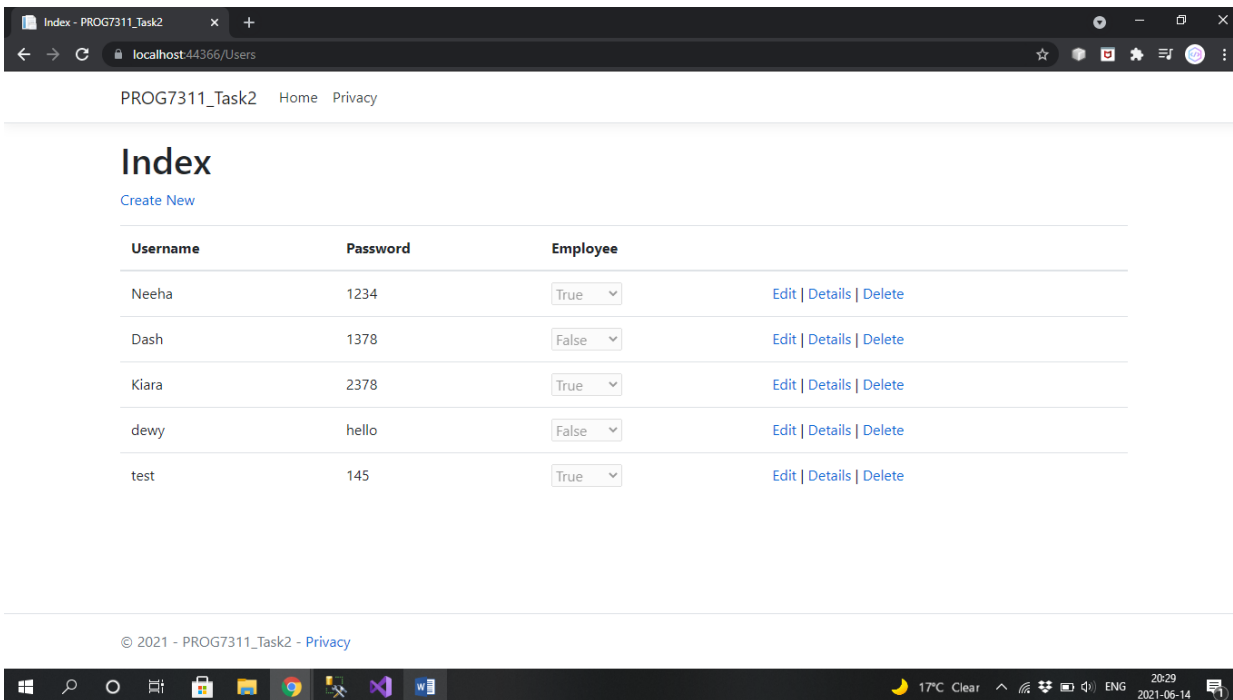


The user is allowed to create a new user when they click on “create new” and they are brought to this screen below where they can enter the userID, a username, password and whether the user is an employee or not. Once all the details have been entered, the user must click on the “create” button and thereafter, it will be displayed in under Index.

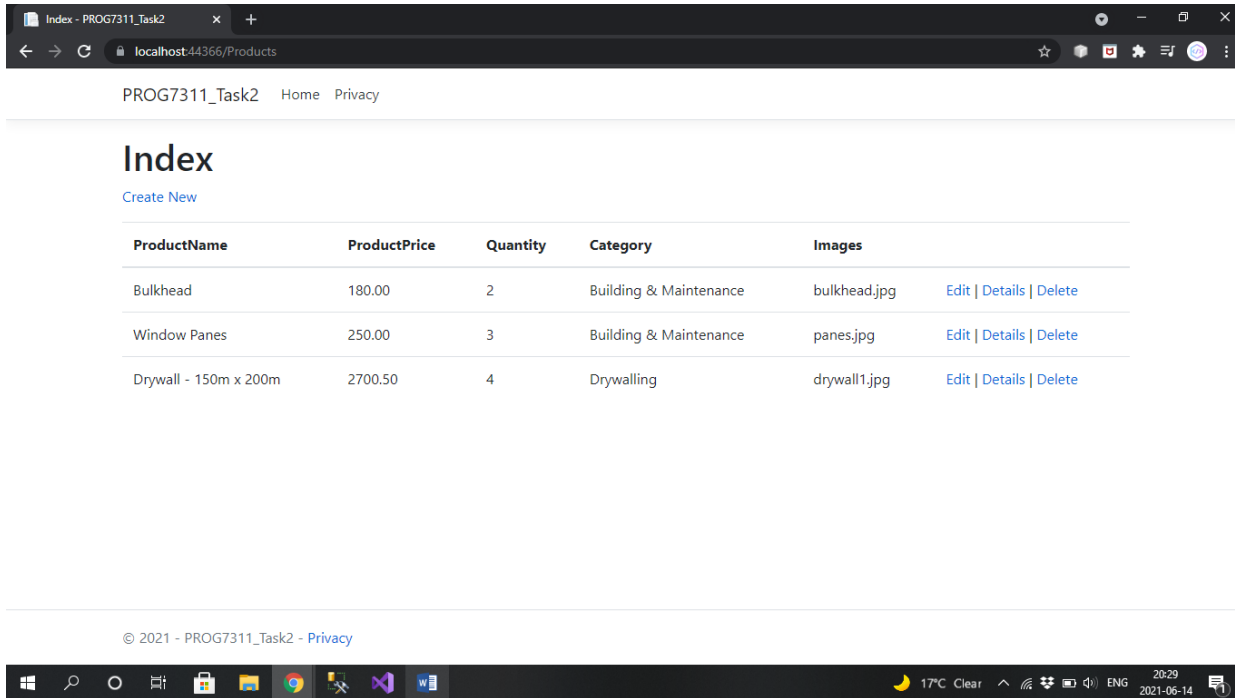




The user must add /Users after localhost:44366 and they will be able to view all the users in the database.



The user must add /Products after localhost:44366 and they will be able to view all the products in the database.



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localhost:44366/Products

PROG7311_Task2 Home Privacy

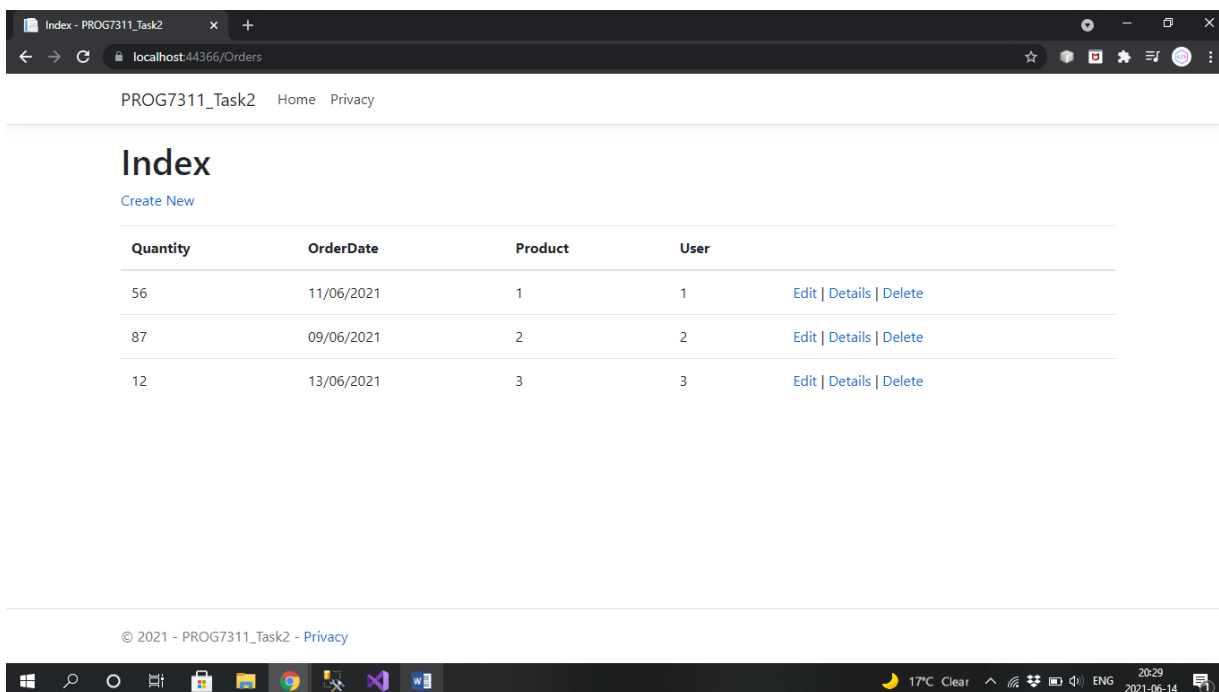
Index

[Create New](#)

ProductName	ProductPrice	Quantity	Category	Images	
Bulkhead	180.00	2	Building & Maintenance	bulkhead.jpg	Edit Details Delete
Window Panes	250.00	3	Building & Maintenance	panes.jpg	Edit Details Delete
Drywall - 150m x 200m	2700.50	4	Drywalling	drywall1.jpg	Edit Details Delete

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The user must add /Orders after localhost:44366 and they will be able to view all the orders in the database.



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localhost:44366/Orders

PROG7311_Task2 Home Privacy

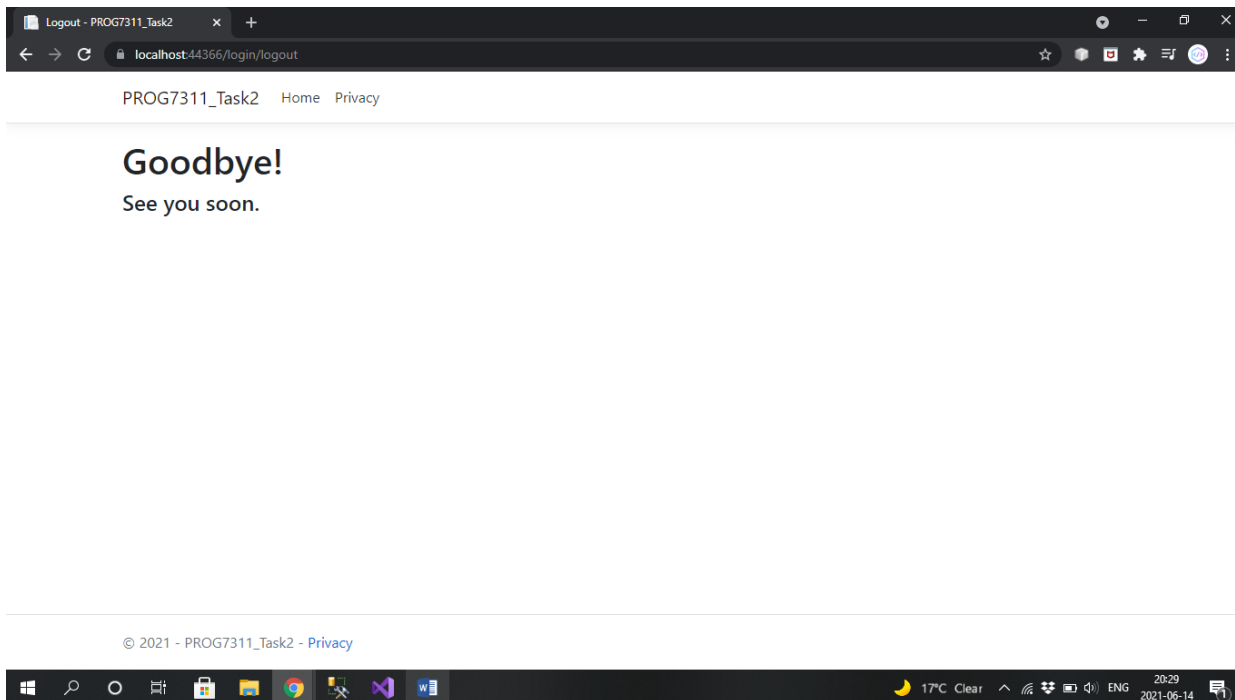
Index

[Create New](#)

Quantity	OrderDate	Product	User	
56	11/06/2021	1	1	Edit Details Delete
87	09/06/2021	2	2	Edit Details Delete
12	13/06/2021	3	3	Edit Details Delete

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Once the user is ready to logout, they need to add /login/logout after localhost:44366 and they will be able to logout of the web app.



Database

There are three tables which have been created in the database and these are Users, Orders and Products. Each table has been populated with attributes and their corresponding data type. Sample data has been included in the insert statements and this data is displayed when the user runs their web application.

Support

Visit Microsoft Docs, as well as supporting videos and tutorials which can be found on YouTube, on how to work with tools if you do experience any difficulty. Or if you are a first time user, make sure you read the comments in the program and familiarise yourself with the functions in C#.

Contributing

The author, Neeha Dewlok, is always open to suggestions you may have regarding improvements on design, coding aspects and commenting.

Authors and acknowledgment

Neeha Dewlok - the main designer/programmer for this project