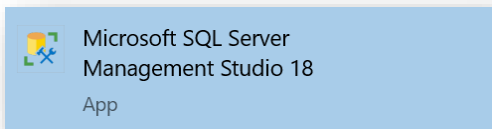


PROGRAM : FarmCentralApp

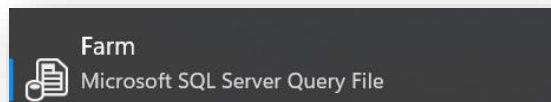
Version 1.0 15/06/2021

Requirements

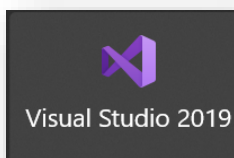
- Microsoft SQL Server Management Studio
-



- Download Link : <https://docs.microsoft.com/en-us/sql/ssms/download-sql-server-management-studio-ssms?view=sql-server-ver15>
- Farm database
-



- Visual Studio 2019



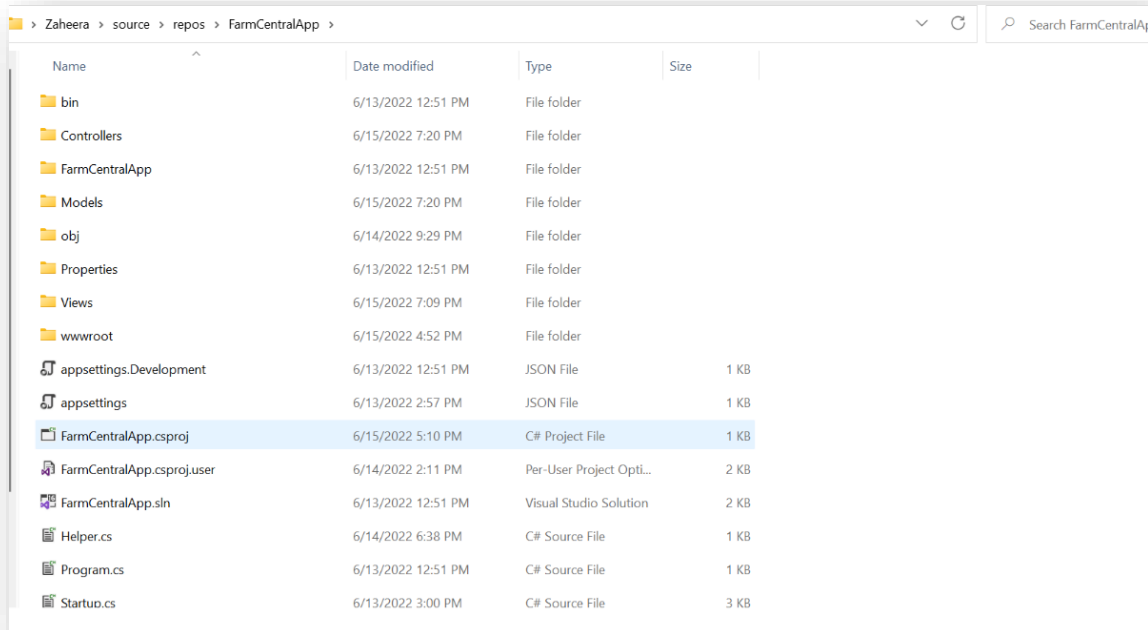
- Download Link: <https://visualstudio.microsoft.com/vs/community/>
- .Net SDK
- .NET 5.0 (current)

Introduction

- This web application is a stock management website for Farm Central which allows farmers to add products to their profiles and employees to view all products added by each farmer. Farmers and employees can update products. Employees can add new farmers to the database. The website allows the user to filter through the data by product type or by date range making it easy to locate required data. The website is easy to use and straightforward, all instructions are clear. The look and layout of the website is neat and minimalistic, making it the perfect environment to manage stock.

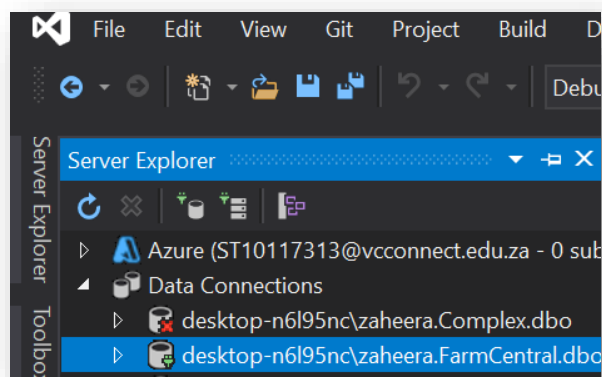
Installation

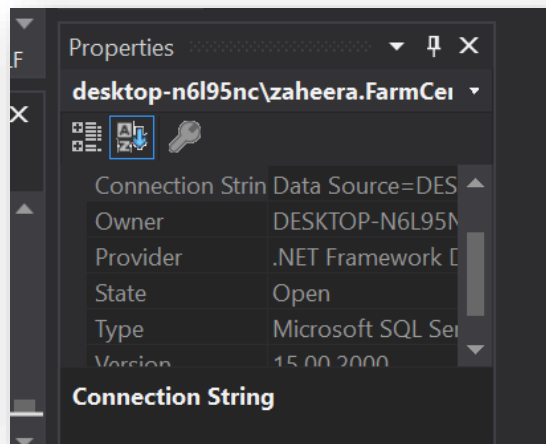
- The app does not require installation
- The app runs in your browser
- Open and connect the “Farm” database file in SQL Server
- Open the FarmCentralApp file



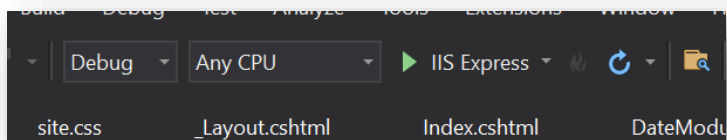
➤ Click on the FarmCentralApp.csproj file

➤ Open server explorer and connect to the “FarmCentral” database





- The connection string will be found within the properties tab
- Replace the current connection string with your own one as this will allow the app to connect to the database



- Click on the green “Play” button to run the website

Usage

- All users must login to access data
- Press the employees option from the top tab
- Fill in the admin details provided by the developer, there is no employee registration page in order to keep the website and data extra secure and to prevent unwanted users from signing up, therefore the developer will provide farm central with admin details which employees can use to login
- If login is successful, you will be taken to the main menu which will have the option to 'View farmer data'. This will allow employees to view a list of all the farmers as well as add new farmers by filling in farmer details and adding it to the database.
- Employees can view the products of each specific farmer
- Employees can filter through each farmers products by product type or date range
- Employees can update details on existing farmer products ,such as price if they don't want to use the price recommended by the farmer or quantity as stock quantities increase or decrease.
- Farmers can login via the Farmers option on the top tab
- After login the farmer will be taken to the main menu where there is 2 options "Products" and "Update Password"
- Farmers can then update the password set for them by the employee to a password of their choice
- All farmer passwords are hashed in the database for security
- The farmer can view all their products and filter them by product type or date range, a Show All button is also provided to display all products after viewing filtered products
- Farmers can add new products and update them. Farmers can add a price which would be the recommended selling price and if the employees at Farm central would like to change this price they can or they can leave it as set by the Farmer.
- Products can not be deleted in order to ensure accuracy of data, by keeping a history of all products added.

Sample details

*Sample login details for lecturer testing:

Employee details

Admin ID: Admin100

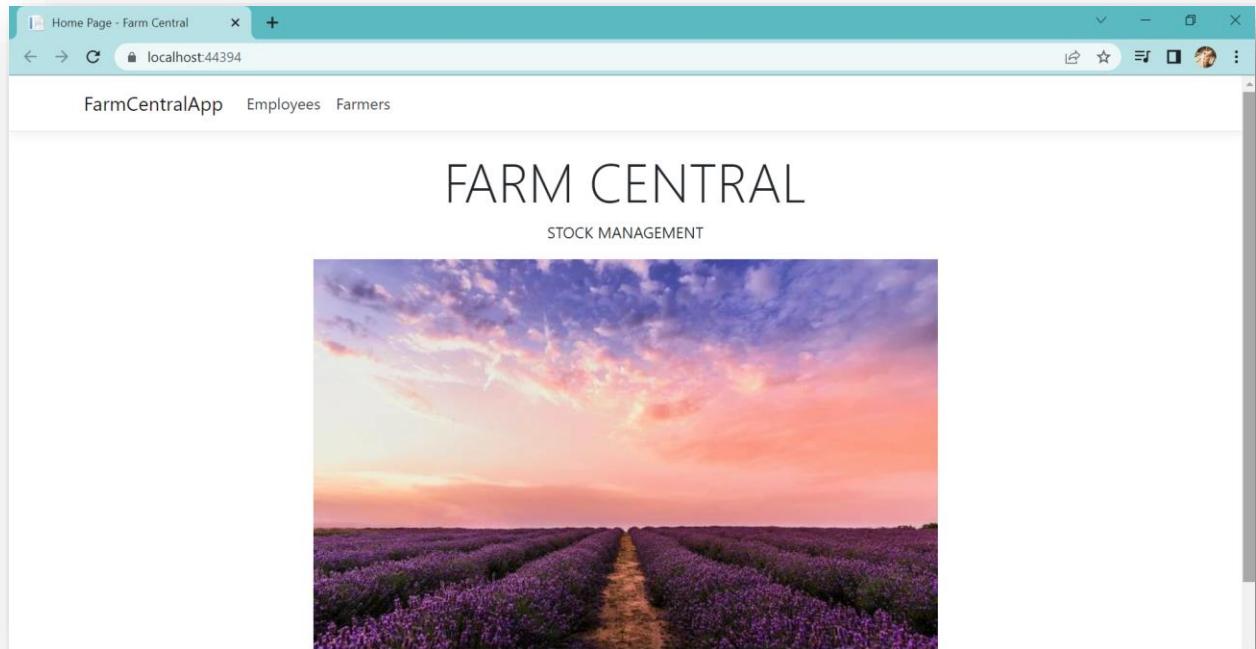
Password: admin590

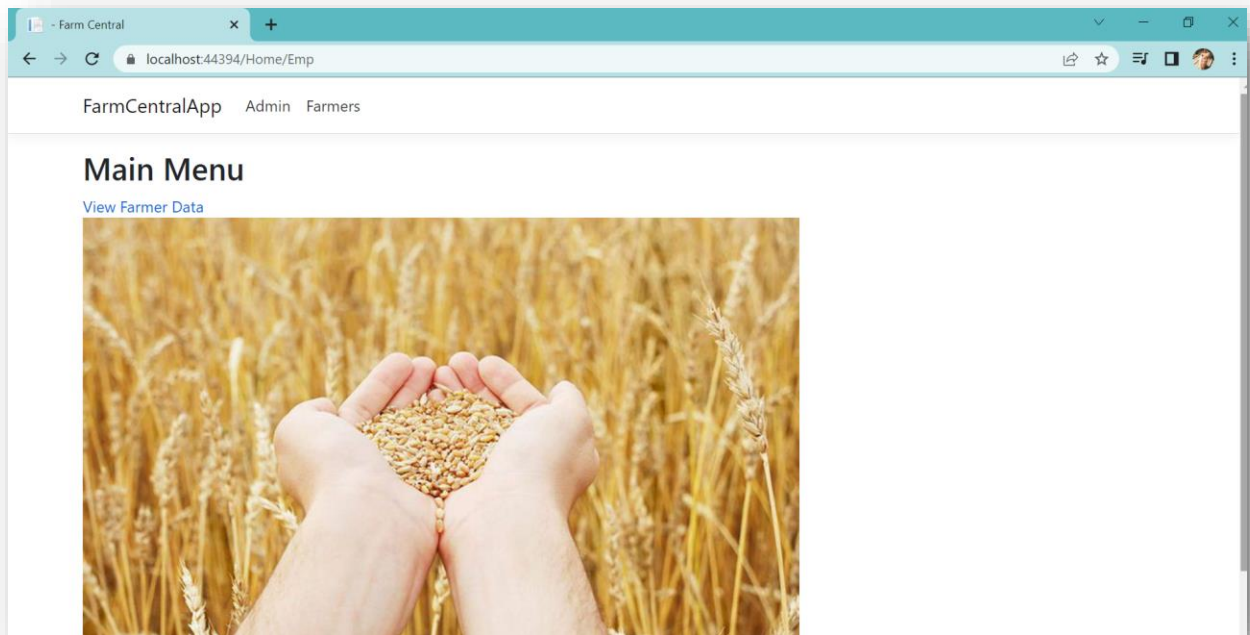
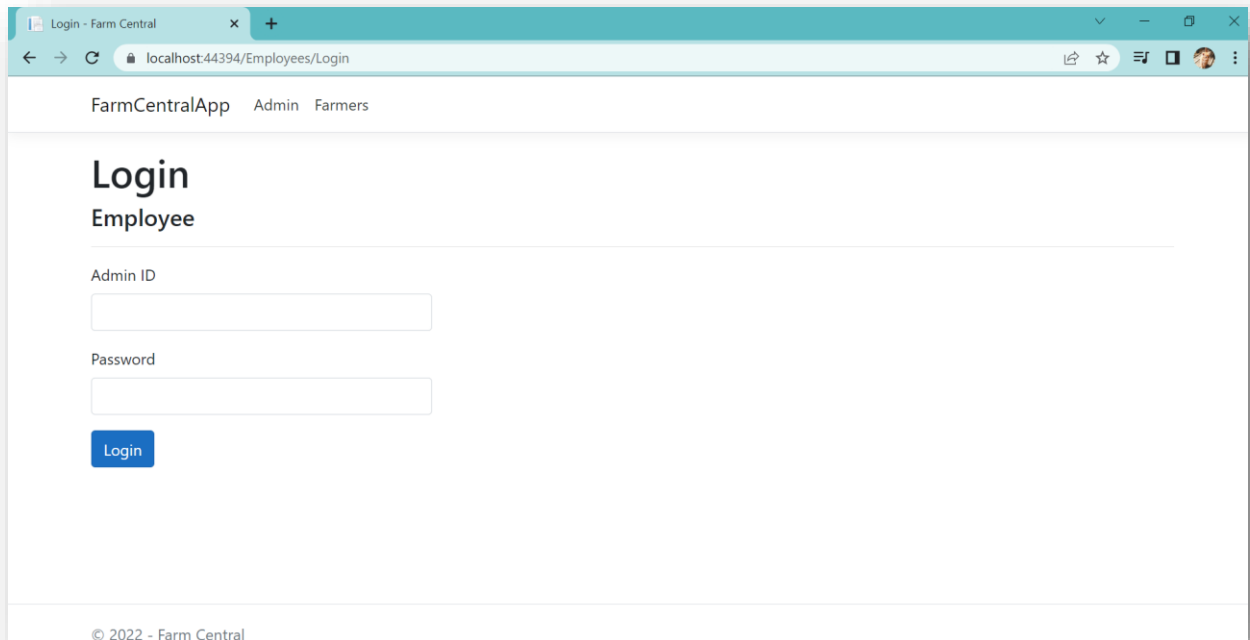
Farmer

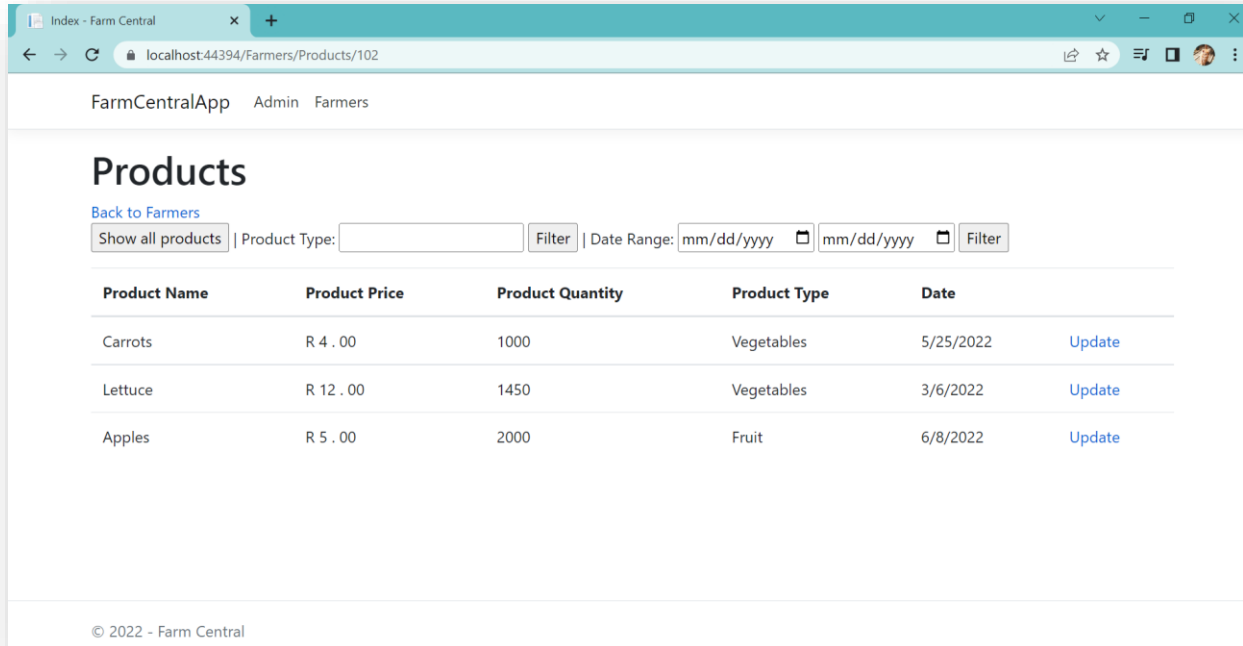
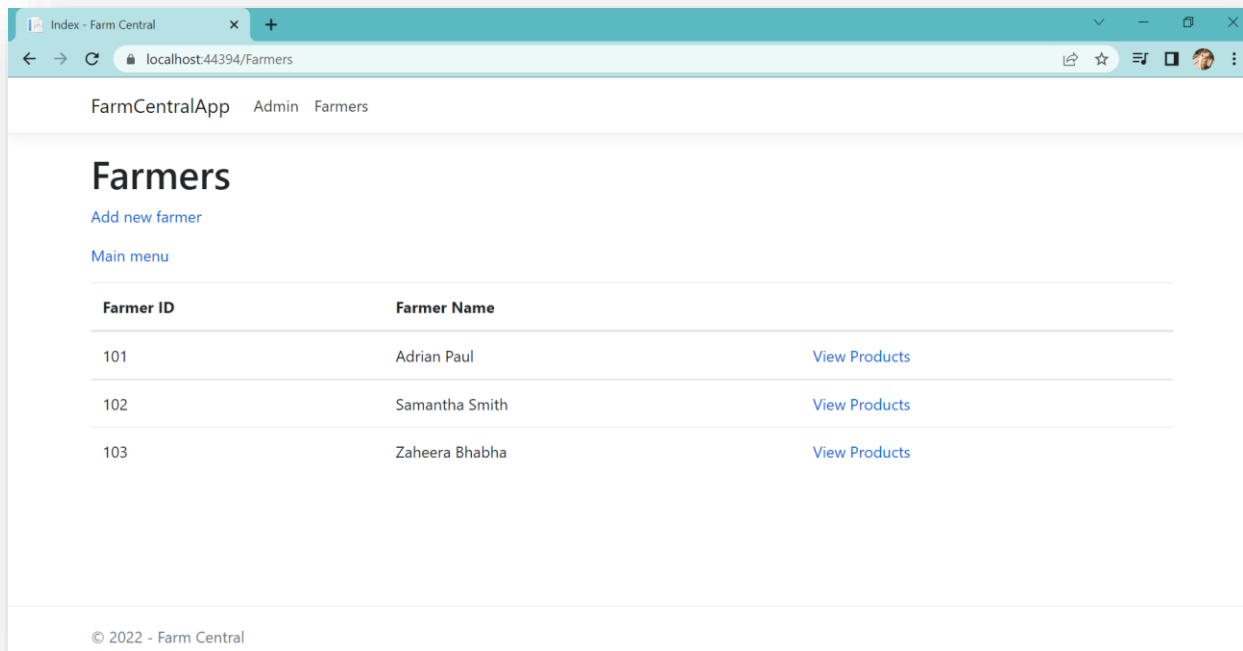
Farmer ID: 102

Password: 4321

UI Preview







FAQs

- How do I register as a farmer?

Farmers cannot register themselves an employee at Farm Central will add each farmer to the database and provide you with your login information

- Can I update the password given to me by an employee as a farmer?

Yes you will have this option once you logged in, visit the Update password link from the main menu and then clear the password text box and fill in your updated password and press save. Your password is then updated

- Why can't employees register?

In order to maintain accuracy of data and the security of the website the employee login details will be provided by the developer since the employee has the role of an admin it is important that data remains confidential, therefore this will prevent farmers and other not authorized personal from accessing admin data.

- How do I exit the app?

Simply close your browser or the tab and you will be logged out

- Who can set the price?

Employees have the final say in setting the price, the farmer puts a price when adding a product however this price can be edited by the employee. The farmers price can be viewed as the recommended selling price.

Programmer's Details

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