



FARM CENTRAL

USER MANUAL

ABOUT

This is a MVC Pattern web application, built on the ASP .NET 5 Core Framework. The application also consumes a custom-built Web API that has been published to Azure Services, which interacts with an Azure SQL Server Database, to perform Create/Read/Update/Delete functions dependent on the logged in user

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LINK : <https://st10116983farmcentral.azurewebsites.net/>

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1 LOGIN SCREEN

This is the users home page when the user accesses the URL link.

Farmer's Central

Login

Email address

Password



Role



1.1 ERROR HANDLING IMPLEMENTATION

Error handling has been implemented to ensure that all details required is accurately captured by the user.

Login

Email address

A valid email address is required

Password



A valid password for this account is required to log in

Role



A valid role is required

Email address

The Email field is not a valid e-mail address.

1.2 DATA VALIDATION

This makes a call to the API and check in the database if the user's details are correct.

Login

kiaanmaharaj7@gmail.com role is invalid. Please try again.

Login

User Not Found. Please try again.

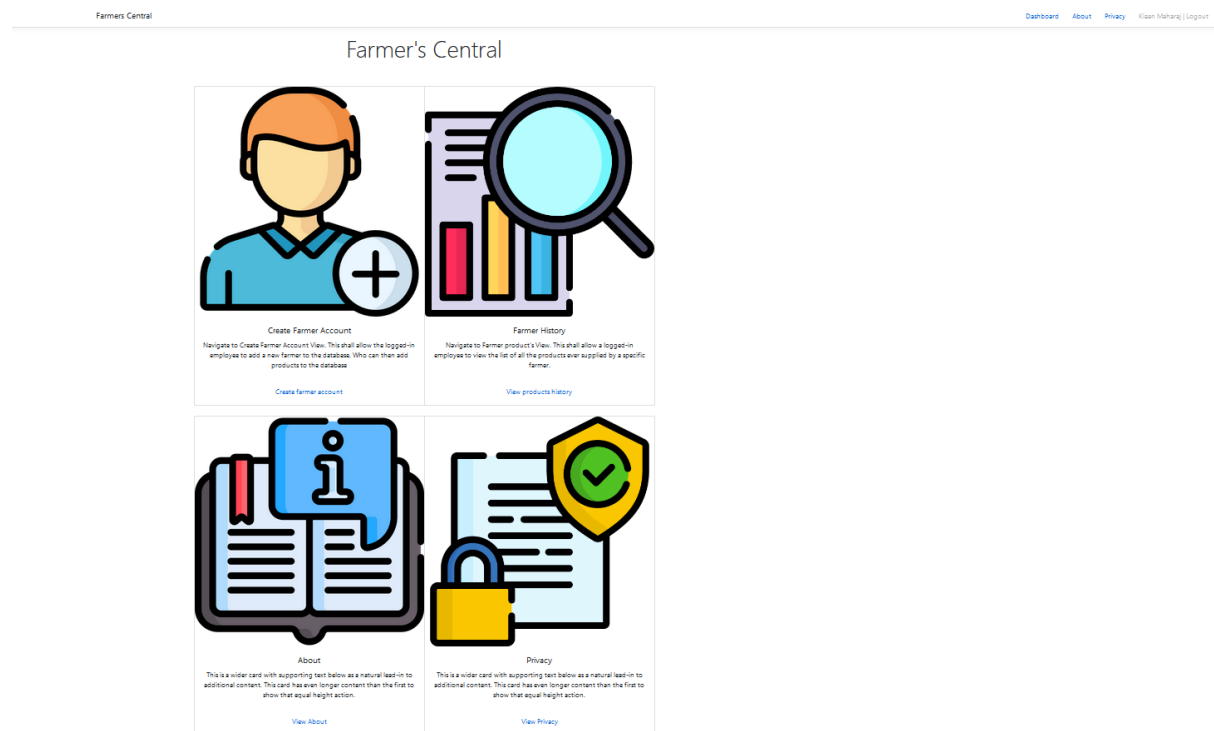
Login

This password is invalid. Please try again.

2 EMPLOYEE HOMEPAGE

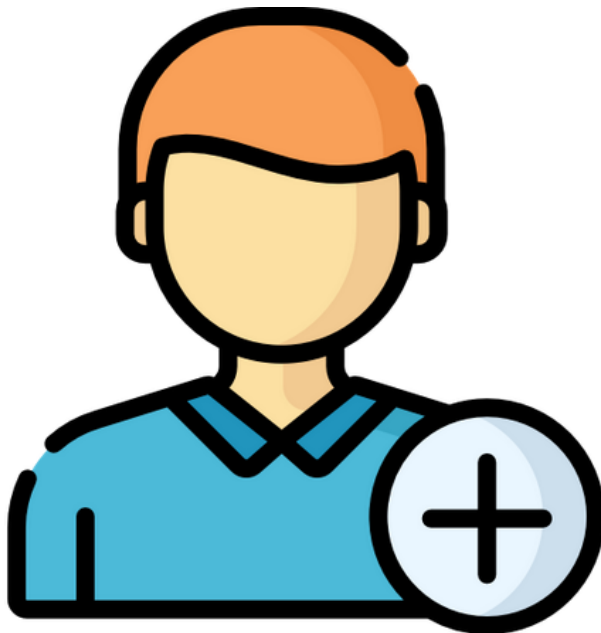
Below is the homepage for the ease of navigation for the employee to perform required actions needed. The employee can

- Create a new Farmer
- View specific Farmer Details



2.1 CREATE A NEW FARMER

This is the creation of a farmer by the employee. This view implements error handling and data annotations in the view models for validation of data entry. The text shown within the components is hints for the user.



Create Farmer Account

Navigate to Create Farmer Account View. This shall allow the logged-in employee to add a new farmer to the database. Who can then add products to the database

[Create farmer account](#)

Register A Farmer's Account

Name

Enter in your firstname

Surname

Enter in your lastname

Email

The Email field is required.

Password



The Password field is required.

Create Account

2.2 VIEW FARMER PRODUCT DETAILS



Farmer History

Navigate to Farmer product's View. This shall allow a logged-in employee to view the list of all the products ever supplied by a specific farmer.

[View products history](#)

2.2.1 The Employee is then required to select a specific farmer to view product details for.

Select A Farmer

Select a Farmer to view specific product history

Name

Select name

Select name

Dhiya

Ariel

Trent

Tyrese

Liam

John

Nikshay

Once the user selects a farmer, the following view is shown with the list of all the products that a farmer has added to the database before.

History of Farmer: Dhiya

Filter by [Date](#) | [Product Type](#)

Name of Product	Product type/category	Quantity/Stock	Date added	
Cows	Animals or livestock	500	Saturday, July 9, 2022	Edit Delete
Beans	Grains	200	Monday, June 13, 2022	Edit Delete
Carrots	Vegetables	10	Wednesday, June 15, 2022	Edit Delete
Tomatoes	Vegetables	15	Tuesday, June 14, 2022	Edit Delete
Diesel	Fuel	1000	Friday, June 17, 2022	Edit Delete
Rabbit	Animals or livestock	20	Friday, June 17, 2022	Edit Delete

2.2.2 Edit

The employee and only the employee can then Edit the details – e.g., shown below

History of Farmer: Dhiya

Filter by [Date](#) | [Product Type](#)

Name of Product	Product type/category	Quantity/Stock	Date added	
Cows	Animals or livestock	500	Saturday, July 9, 2022	Edit Delete
Beans	Grains	200	Monday, June 13, 2022	Edit Delete
Carrots	Vegetables	10	Wednesday, June 15, 2022	Edit Delete
Tomatoes	Vegetables	15	Tuesday, June 14, 2022	Edit Delete
Diesel	Fuel	1000	Friday, June 17, 2022	Edit Delete
Rabbit	Animals or livestock	25	Saturday, June 18, 2022	Edit Delete

2.2.3 Delete

The employee and only the employee can also delete a product of the farmers that has been added.

e.g., shown below that “Rabbit” has been deleted.

History of Farmer: Dhiya

Filter by [Date](#) | [Product Type](#)

Name of Product	Product type/category	Quantity/Stock	Date added	
Cows	Animals or livestock	500	Saturday, July 9, 2022	Edit Delete
Beans	Grains	200	Monday, June 13, 2022	Edit Delete
Carrots	Vegetables	10	Wednesday, June 15, 2022	Edit Delete
Tomatoes	Vegetables	15	Tuesday, June 14, 2022	Edit Delete
Diesel	Fuel	1000	Friday, June 17, 2022	Edit Delete

2.3 FILTER BY FEATURE

The employee can either filter the farmers details by Date or Product Type.

History of Farmer: Dhiya

Filter by [Date](#) | [Product Type](#)

Name of Product	Product type/category	Quantity/Stock	Date added	
Cows	Animals or livestock	500	Saturday, July 9, 2022	Edit Delete
Beans	Grains	200	Monday, June 13, 2022	Edit Delete
Carrots	Vegetables	10	Wednesday, June 15, 2022	Edit Delete
Tomatoes	Vegetables	15	Tuesday, June 14, 2022	Edit Delete
Diesel	Fuel	1000	Friday, June 17, 2022	Edit Delete

2.3.1 Filter by date

The user is required to enter in a start date and an end date, by the implementation of error handling.

Filter by Date Added

Select a Start and End date to filter by

Start date range

mm / dd / yyyy

The StartDate field is required.

End date range

mm / dd / yyyy

The EndDate field is required.

Filter

[Back](#)

The filtered list by 15-06-2022 to 17-06-2022

Results filtered by : Product Added Date

[View All](#)

Name of Product	Product type/category	Quantity/Stock	Date added	
Carrots	Vegetables	10	Wednesday, June 15, 2022	Edit Delete
Diesel	Fuel	1000	Friday, June 17, 2022	Edit Delete

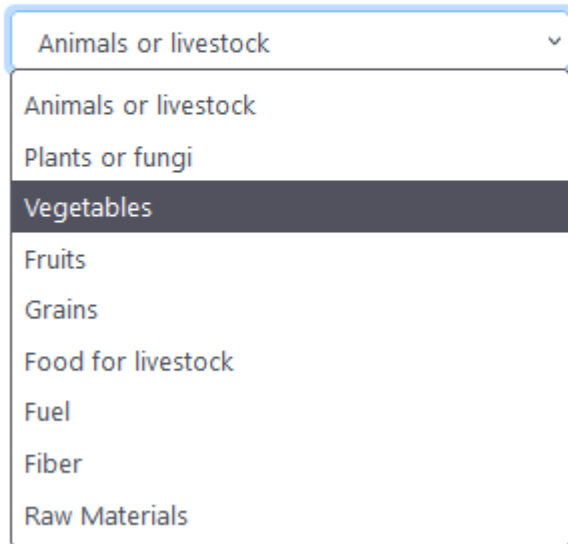
2.3.2 Filter by Product Type

The user is then required to select the Product Type that they would like to filter the products by as shown below.

Filter by Product Type

Select a Product Type/Category to filter by

Product type/category



Animals or livestock

Animals or livestock

Plants or fungi

Vegetables

Fruits

Grains

Food for livestock

Fuel

Fiber

Raw Materials

Once the users select a product type for e.g., “Vegetables” and clicks the filter button, the following view will be shown.

Results filtered by : Product Type

[View All](#)

Name of Product	Product type/category	Quantity/Stock	Date added	
Carrots	Vegetables	10	Wednesday, June 15, 2022	Edit Delete
Tomatoes	Vegetables	15	Tuesday, June 14, 2022	Edit Delete

3 FARMER LOGIN

3.1 RESET PASSWORD

When a farmer logs in, for the first time. He/She will be prompted with the following page which is optional for them to reset their password. If they do not wish to reset it they will be send to the View History page.

Reset Your Password

New Password

Confirm New Password

Reset

[Skip and don't reset password](#)

3.2 VIEW HISTORY

The farmer can then view a history of all their products that have been added before. They can also add a new product by clicking on “Add new product.”

View Product's History

[Add new product](#)

Name of Product	Product type/category	Quantity/Stock	Date added
Cows	Animals or livestock	500	Saturday, July 9, 2022
Beans	Grains	200	Monday, June 13, 2022
Carrots	Vegetables	10	Wednesday, June 15, 2022
Tomatoes	Vegetables	15	Tuesday, June 14, 2022
Diesel	Fuel	1000	Friday, June 17, 2022

3.3 ADD A NEW PRODUCT

This is the page that the farmer will interact with to add new products to their profile. This page also implements error handling for the accuracy of data capturing.

Add A New Product

Name of Product

A valid product name is required

Product Type/Category

[Add new product type/category](#)

Quantity

Enter an amount, else enter 0

Track Product's Date

Please track or back-track a date for current product to be added

Capture

[View History](#)

3.3.1 Product category

If a product type does not exist, the farmer can then add a new product category by clicking on "Add new product/category."

Product Type/Category

Animals or livestock

Animals or livestock

Plants or fungi

Vegetables

Fruits

Grains

Food for livestock

Fuel

Fiber

Raw Materials

The product type other, to be added to the product category.

Product Type

Add a product type/category for a Product to be categorised when adding new products

Product type/category

[Go back](#)

Updated list after the new category has been entered.

Product Type/Category

Animals or livestock

Animals or livestock

Plants or fungi

Vegetables

Fruits

Grains

Food for livestock

Fuel

Fiber

Raw Materials

Other