Name: Alisa Diya Thool Student Number: ST10037089 Prog7311 – PROG 3A Part 2 User Manuel



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Preface:

Agri Energy Connect has been developed in response to the growing demand for sustainable agricultural practices and the integration of green energy solutions in South Africa. This project's objective is to develop an innovative internet platform that links the farm sector with providers of green energy technologies. To help users get the most out of the platform, this user manual provides a comprehensive overview of the features, functionality, and usage guidelines of the Agri-Energy Connect website.

Version

Version 2.0

Audience

- Farmers aiming to incorporate green energy solutions into their operations and embrace sustainable farming methods.
- Employees and supervisors accountable for overseeing user profiles and guaranteeing the seamless functioning of the site.

Scope

This manual provides the Agri-Energy Connect online program with detailed usage instructions and suggestions. By following the guidelines in this handbook, users can effectively use the Agri-Energy Connect platform to achieve their goals in sustainable agriculture and renewable energy innovation. It addresses the following topics:

Features

- User Roles and Authentication
- Database Management
- Functionalities for Farmers and Employees
- User Interface Design and Usability
- Data Accuracy and Validation
- Security and Privacy

Programme requirements

- Windows 10 (64-bit) version 1909 or higher.
- Windows Server 2016 or higher.
- Processor: 1.8 GHz or faster: Quad-core or better recommended.
- RAM: 4 GB or more; 8 GB recommended.
- Hard disk space: Minimum 20 GB of available space.
- Display: 1280 x 720 or higher resolution monitor.

Visual Studio Requirements

- You are required to install Microsoft visual studio 2022 0r even 2019
- Version 16.6.3
- Ensure .NET framework plugin is installed
- Download the zip folder
- Unzip the zip folder
- Place the unzip folder in the c drive of your computer
- open the programs
- press the green play button on the top of visual studio
- follow all the instruction given by the application to ensure the app runs smooth and efficiently

Microsoft SQL server management

Version: SSMS 18 or later (SSMS 2012 can be used if compatibility is necessary).

Test data for website

Employee

Email: admin.com
Password: Test123#

Farmers 1:

Email: farmer1@farm.com

Password: Farmer 123#

Farmer 2:

Email: farmer2@farm.com

Password: Farmer 123#

Farmer 3:

Email: farmer3@farm.com

Password: Farmer 123#

Farmer 4:

Email: farmer4@farm.com

Password:Farmer123#

Farmer 5:

Email: farmer5@farm.com

Password:Farmer123#

Farmer 6:

Email: farmer6@farm.com

Password: Farmer 123#

Farmer 7:

Email: farmer7@farm.com

Password:Farmer123#

Farmer 8:

Email: farmer8@farm.com

Password: Farmer 123#

Farmer 9:

Email: farmer9@farm.com

Password:Farmer123#

Farmer 10:

Email: farmer10@farm.com

Password: Farmer 123#

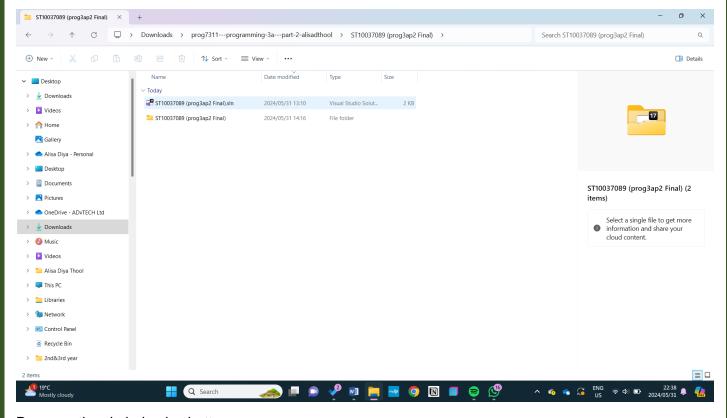
References

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- Erinstellato-Ms (no date) Download SQL server management studio (SSMS) SQL server management studio (SSMS), SQL Server Management Studio (SSMS) | Microsoft Learn. Available at: https://learn.microsoft.com/en-us/sql/ssms/download-sql-server-management-studiossms?view=sql-server-ver16 (Accessed: 25 May 2024).

Appendix A - Tutorial

- -Download and extract the zip folder
- -open the folder
- click on the purple icon .sln file

Take note you don't need to add the database to the project folder for it to work, just follow the following instructions



Press on the circled, play button

