Eugo Farm Web Application

Software Requirements Specification (SRS)

Version 1.0

Version Date & Time: January 8, 2021

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1. **Introduction**

   1.1 Purpose

   The purpose of this document is to present a detailed description of the development of Eugo Farm's web application for bringing the farm in the online spectrum so that it will reach a greater audience and achieve its mission and vision. This will explain the purpose and features of the system, how it will meet the users needs, and its requirements.

   1.2 Intended Audience and Use

   This is a simple project as a requirement in Software Engineering course in the first Semester of Academic Year 2021-2022. This is implemented under the guidance of the course's instructor. This project is useful for the student developer to enhance her skills in developing a web application. Moreover, this web application could be launch in the future and will include the client or the owner of the farm itself as the stakeholder.

   1.3 Project Scope

   Eugo Farm web application aims to have a platform that would create a convenient and easy-to-use application for the customers and visitors of the website. This would be beneficial because through this platform, they could easy contact the farm owners and order farm products at the comfort of their homes. The system would have a database to store the products that the farm is selling and educational materials about farming. However, since this is just a prototype, the project's scope has limited features and it will be improved at the next versions of the software requirements specifications.

2. **Overall Description**

   2.1 User Needs

   Eugo Farm web application's users can be categorized into three as follows.

   1. Consumers

      They are the persons that are buying farm products. With the advent of the pandemic, it is now hard for the consumers to buy for their daily needs for their consumption. Many doesn't want to go out to avoid getting sick. This application would be beneficial to the consumers as they could use this platform to order fresh farm products online at the comfort of their homes.

   2. Farmers

      This application doesn't only aim for profit. Eugo Farm believed that farm practices should be shared to help fellow farmers to be successful in farming and to help increase the economy of the country. There are new

generation of farmers who have access to the internet, and they could use this application to read regarding the practices in farming from the Eugo Farm may it be old or modern practices from the blog posts.

3. Learners

These are the people who loved to plant or raise some animals. They could also be agricultural students, and even other customers that wanted to start farming. This website could be their platform to increase their knowledge and improve their skills.

2.2 Assumptions and Dependencies

Since this is a school project, it only has a limited scope. So let us assume that an admin could edit the content of the web application at the end. And let us also assume that the contact us page is used to order products from the farm, not only for having inquiries to the farm, since e-commerce feature is not yet implemented at this early stage of development.

3. System Features and Requirements

3.1 Functional Requirements

- The user registers to the web application to use the site.
- The user can login/logout to the site
- There is a session timeout when the user doesn't interact to the site for 5 minutes.
- The system shows a message when the user successfully done an action.
- Passwords must consist of at least 8 characters, containing at least 1 capital letter, 1 number, and 1 symbol.
- Users could send a message to the persons behind the Eugo Farm application.

3.2 External Interface Requirements

User Interfaces:

- Front-end software: HTML, CSS, JavaScript
- Back-end software: PHP, SQL

Software Interfaces:

- Web server: XAMPP
- Database: MySQL database
- Operating system: Windows operating system

Communication Interfaces:

- This project supports all types of web browsers.
- Google Map
- Google Mail

3.3 System Features

- Should have a hero section to welcome the visitors.
- Users can have a glimpse of what is the purpose of the Eugo Farm
- Display products
- Should have a blog section wherein the users can read educational contents about farming
- Should have a contact us section
- Should have a map embedding the google map to guide the people who wanted to go to the farm

3.4 Nonfunctional Requirements

- The application should load in less than 3 seconds.
- The application should encrypt my password and don't expose users' personal information.
- Blogs should be organized and have good quality content.