

MINI PROJECT – IS2106

Seed Seeker – Quality Seed Supplying System

Group 35

Team CultivatorX

Department of Computing & Information Systems

Faculty of Computing

Sabaragamuwa University of Sri Lanka

TEAM MEMBERS

Index No	Name With Initials	Emails
21CIS0138	S.S.W.R.S.R. Sampath	sswrsrsampath@std.foc.sab.ac.lk
21CIS0084	M.D.N.Silva	mdnishshanka@std.foc.sab.ac.lk
21CIS0019	TS Dissanayake	tsdissanayake@std.foc.sab.ac.lk

CONTENTS

TEAM MEMBERS.....	ii
CONTENTS.....	iii
INTRODUCTION	1
Purpose	1
Scope	1
Overview	1
Functional Requirements	2
Non-Functional Requirements	2

INTRODUCTION

Purpose

Our system's primary goal is to make high quality seeds easily accessible to clients for a range of agricultural applications.

Its goals include providing a wide range of seeds suitable for different growing conditions and climates along with thorough information to help users make informed decisions.

The website offers both customized recommendations and extensive search functionality in an effort to expedite the seed-seeking process.

By giving farmers ratings and information regarding seed collecting In this approach gives farmers more authority. There are mechanism has been created to determine the state in which the seeds are grown. The place where the seeds were produced can be easily identified by promoting this technique.

Scope

- This website's main goal is to give customers a complete platform to search, evaluate and buy premium seed for use in agriculture. It has a broad reach.
- By bringing together potential customers (farmers) and agriculture offices and seed producers this website functions as an online marketplace. Furthermore, the scope includes details about the location of seed production as well as descriptions of the seeds, including their growth conditions and possible output.
- In addition customers can search the best seeds for their particular needs with the help of this website's tools for seed comparison only they can buy product through agriculture officer customer reviews, and ratings. It also offers educational resources, including articles, videos and tutorials on crop management, planting techniques, and seed selection.

Overview

Farmers searching for premium seeds can get all they need at one convenient location on this website. It offers a thorough platform for users to access, evaluate and buy seeds that are suited to their individual requirements. Using information, feedback and location transparency, the website functions as a digital marketplace that links seed producers and government agriculture offices and potential consumers. This gives farmers more power.

Functional Requirements

- User Registration and Authentication - It should be possible for users to register and safely log in.
- Search Functionality - Users can search seeds by crop type, climate zone
- Seed Catalog - An extensive list featuring thorough descriptions of seeds, including information on growing conditions, yield potential and production site.
- Supplier Management - A system for keeping track to seed suppliers' details and enabling correspondence between suppliers, officers and farmer.
- Comparison Tools - Utilize these tools to evaluate various seed options in terms of features, cost and user feedback.
- Review and Rating System - This is a website where customers have ability to rate and review seeds and suppliers.
- Educational Resources - A collection of tutorials and blog articles about crop management, planting techniques and seed selection.
- Account Management - User accounts to order history and wish list.
- Location Identification – To have be ability to identify the province where the seeds are produced.

Non-Functional Requirements

- Performance - The website should simple and smooth user experience for users.
- Scalability - If user base grows and the number of seed offerings increases the system should be scalable.
- Availability - The website should be highly available with minimal downtime.
- Security - Robust security mechanisms should be in place to protect user data.
- Usability - Farmers with different levels of technological skill should be able to easily navigate the user interface.
- Accessibility - People with disabilities should be able to use the website.
- Mobile Responsiveness - Mobile devices should be able to browse and interact with the website with ease.
- Content Management System (CMS) - Website administrators can easily manage website content, instructional materials and seed listings with this user friendly CMS.
- Customer Support - Prompt and efficient customer care to address inquiries, issues and feedback from users.