****

SYNOPSIS

**ON**

**RAISING GROUND**

Submitted By: Submitted To:

Sarthak Dhangar C 2115000916 Mr. Ankit Arora

Dhruv Yadav K 2115000369 Technical Trainer

Adesh Yadav B 2115000051 Computer science engineering

Shaurya Dev Sengar L 2115000941

**Title of the Project:**

Raising Ground: A Nursery E-commerce Website

**Objective:**

The primary objective of the "Raising Ground" project is to create an online platform that simplifies the process of buying plants from nurseries. By offering a user-friendly interface, this website allows buyers to conveniently purchase plants from the comfort of their homes, thereby fostering a seamless connection between nurseries and plant enthusiasts.

**Scope:**

The scope of the project encompasses the development of an e-commerce platform tailored to nurseries. It offers a wide variety of plant species for selection, enabling users to add their chosen plants to their virtual shopping carts. "Raising Ground" endeavors to be a comprehensive one-stop solution for plant lovers seeking to enhance their green spaces with ease and diversity**.**

**Limitation:**

However, it's important to note that the project has some limitations. While it empowers users to select and purchase plants with ease, it does not provide in-depth care instructions for the plants post-purchase. Therefore, users may need to seek additional guidance for the proper maintenance of their newfound flora. Additionally, the delivery process, while functional, may not be optimized for the swiftest delivery times, and further enhancements in this area are a future consideration.

**Methodology:**

The project will be implemented using a combination of front-end and back-end technologies. The front-end will utilize HTML, CSS, JavaScript, and Bootstrap for website structuring, styling, and interactivity. On the back-end, the choice between SQL and MongoDB for database management will be made based on project requirements and performance considerations. The system architecture is designed for scalability, ensuring a robust and responsive user experience.

**Proposed System:**

The proposed system is an e-commerce website specifically designed for the sale of plants. Users can access a diverse range of plant species on the website, select the desired ones, and add them to their shopping carts. As a user navigates through the catalog, the system ensures a smooth and engaging online shopping experience. The website will also facilitate secure online payments, ensuring that transactions are conducted safely and conveniently.

**Features:**

Key features of the "Raising Ground" project include**:**

* User-friendly interface for browsing and selecting plants.
* Shopping cart functionality.
* Secure online payments.
* Product search and filter options.
* User account management, allowing users to track their purchases and preferences.

**Implementation Plan:**

The project will be executed in several stages, with specific milestones and deadlines. The implementation plan will include the design phase, front-end and back-end development, comprehensive testing to ensure the platform's stability, and deployment to a reliable web hosting environment. Regular testing and quality assurance will be integral to delivering a robust and reliable system.

**Team Members:**

The dedicated team working on this project comprises individuals with expertise in various domains, including web development, design, and database management. The team members are committed to bringing this project to fruition.

Team Members:

Sarthak Dhangar (2115000916) Adesh Yadav (2115000051)

Dhruv Yadav (2115000369) Shaurya Dev sengar (2115000941)

**Resources Required:**

To achieve project goals, resources such as software tools for development, hardware resources for testing, and access to web hosting platforms will be essential. Specifically, a laptop with minimum i3 processor with previously installed VSCode, MongoDB, Nodejs and a web browser.

**References:**

Throughout the project's development, references to relevant books, research papers, online resources like GOOGLE, ChatGPT etc and documentation will be diligently consulted to ensure best practices are followed.

**Expected Outcomes:**

By the conclusion of the project, the expected outcome is a fully functional and visually appealing e-commerce website. This platform will allow users to effortlessly browse, select, and purchase a wide variety of plants from nurseries, significantly enhancing the convenience of acquiring new greencompanions. The "Raising Ground" project is anticipated to contribute to the growth of online nursery commerce and promote the world of plant enthusiasts.

**Conclusion:**

The "Raising Ground" website is not merely a digital marketplace; it is a bridge connecting nurseries and plant lovers. By providing a user-friendly and comprehensive platform, it aims to enhance the accessibility and appeal of plant ownership. Through this project, we aspire to foster a greater appreciation for greenery and a more sustainable world.