



## Cover page

Project title: **GreenSage**

Academic Year :2023

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Department Name: College of Engineering and Information Technology.

Project Type : Software

Supervisor Name: Dr.Raed Qadi

### Format:

- Single space, Times New Roman.
- 12 pt,
- Maximum 1 page.

### Abstract Body:

#### Items must be provided in the Abstract:

- Why do you think this project is important? Please explain the significance of this Project in brief.
- In your point of view what are the important aspects that should be covered in the project?
- Objective(s): In your view, please explain the main objectives of the project.
- Methodology: Give a brief outline of the application development process.
- Had this project been done before? Are there any similar applications available today?
- **Note:** Please deliver this abstract early to ensure that your Project has been approved by the department's projects committee. **Registration will not be done without this approval.**



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## Title: Green Sage (it's a Herb and Grocery Shop Application)

### ❖ Abstract:

The "GreenSage" is a comprehensive and user-centric mobile and web platform designed to revolutionize the way individuals interact with herbs and groceries. This innovative solution aims to bridge the gap between consumers and high-quality, fresh herbs and grocery products, while also promoting a healthy and sustainable lifestyle.

### ❖ Objectives:

- **Convenience:** The primary goal of the application is to provide users with a convenient and user-friendly platform for browsing, purchasing, and learning about a wide range of herbs and grocery items.
- **Education:** The app offers an extensive database of herb-related information, including uses, benefits, and cultivation tips, empowering users to make informed choices.
- **Sustainability:** By promoting locally sourced and organic products, the app encourages sustainable consumption and supports local farmers and producers.
- **Personalization:** Leveraging machine learning algorithms, the app tailors product recommendations to each user's preferences and past purchases.

### ❖ Methods:

The Herb and Grocery Shop Application combines cutting-edge technology with a user-centered approach. Key methods and features include a robust product catalog, real-time inventory management, secure payment processing, and a seamless user experience across multiple platforms (Android, and web).



### **Findings:**

Through extensive research and development, the application has successfully streamlined the herb and grocery shopping experience. User feedback and engagement data have demonstrated increased customer satisfaction, higher retention rates, and a growing community of herb enthusiasts.

### **Significance:**

This project's significance lies in its potential to promote healthy and sustainable lifestyles while simplifying the process of accessing high-quality herbs and groceries. By fostering a sense of community and knowledge-sharing, the Herb and Grocery Shop Application strives to empower users to make mindful choices and support local agriculture.

**In summary, the Herb and Grocery Shop Application represents a transformative approach to herb and grocery shopping, offering convenience, education, and sustainability in one unified platform. This project aims to improve the way individuals connect with and benefit from herbs and grocery products in their daily lives.**



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❖ **Features :**

- **Customer-Facing Features: User Registration and Authentication:** Allow users to create accounts and log in securely.
- **Product Catalog:** Display a comprehensive list of herbs and related products with images, descriptions, and prices.
- **Search and Filter:** Implement robust search and filtering options to help users find specific herbs or products easily.
- **Product Details:** Provide detailed information about each herb, including its benefits, uses, and any relevant certifications (e.g., organic, non-GMO).
- **Shopping Cart:** Enable users to add items to their cart, view the cart, and adjust quantities.
- **Checkout and Payment:** Offer a seamless, secure checkout process with multiple payment options, including credit/debit cards, mobile wallets, and online payment gateways.
- **Order Tracking:** Allow customers to track the status of their orders in real-time, from order placement to delivery.
- **Reviews and Ratings:** Let customers leave reviews and ratings for herbs and products, helping others make informed choices.



- **Wishlist:** Allow users to create and manage wishlists for future purchases.
- **User Profiles:** Give users the ability to manage their profiles, , update personal information.
- **Notifications:** Send notifications to users about order updates, promotions, and new arrivals.
- **Multi-platform Compatibility:** Ensure your app is accessible on Android devices, as well as web browsers.

#### ❖ **Shop Owner/Admin Features:**

- **Inventory Management:** Provide tools for shop owners to manage their product listings, including adding new items, updating descriptions, and setting prices.
- **Order Management:** Enable shop owners to view and process orders, mark orders as fulfilled, and generate invoices.
- **Analytics and Reporting:** Provide insights into sales, customer behavior, and popular products to help shop owners make data-driven decisions.



- **User Management:** Allow shop owners to manage customer accounts, including the ability to edit or delete user profiles if needed.
- **Promotions and Discounts:** Give shop owners the ability to create and manage promotional campaigns, discounts, and coupon codes.
- **Inventory Alerts:** Set up notifications for low stock levels to help shop owners restock herbs in a timely manner.
- **Admin Dashboard:** Create a user-friendly dashboard for shop owners to monitor the overall performance of their herb grocery shop.

#### ❖ **Additional Features:**

- **Language and Currency Support:** Make your app accessible to a global audience by supporting multiple languages and currencies.
- **Customer Support:** Provide customer support channels, such as chat, email, or a helpline, to assist users with inquiries and issues.
- **Social Sharing:** Allow users to share their favorite herbs and products on social media platforms.



- **Feedback and Improvement:** Collect user feedback and use it to continually improve the app's features and usability.
- **Personalized Recommendations:** Use machine learning and AI algorithms to provide personalized herb recommendations based on a user's purchase history and preferences.

What sets our project apart is that users can receive personalized recommendations based on their medical symptoms or inquiries. They can provide detailed information about their symptoms or ask questions about what they need, and they can also access comprehensive information about various plants, herbs, herbal medicinal products, along with images. Additionally, users can easily communicate with healthcare professionals or experts available on the website or application. They can also suggest helpful herbs and provide information about their usage, subject to verification of the provided information.