

INTRODUCTION

HerbSphere is an AI-powered virtual herbal garden offering access to AYUSH-based medicinal plant knowledge. Through a chatbot, users can search plants, find remedies by symptoms, and learn about herbal healing interactively.

PROBLEM STATEMENT

Build a Virtual Herbal Garden that bridges the gap between traditional AYUSH knowledge and modern digital engagement by offering an immersive, educational platform to explore and learn about diverse medicinal plants and their applications.

PROPOSED SOLUTION

HerbSphere — a Virtual Herbal Garden that leverages a chatbot and intelligent search to help users explore medicinal plants and discover herbal remedies for various diseases. Rooted in AYUSH principles, the platform offers structured, reliable, and accessible information, making herbal knowledge easy to understand and interact with.

OBJECTIVES

Build an AI-powered platform to promote traditional herbal knowledge in an interactive, digital format.

Key Features

Search & Filter: Find plants by name, ailment, or AYUSH system

AI Chatbot: Get instant responses based on user queries

Plant Profiles: View benefits, scientific names, AYUSH type & images

Interactive UI: Clean and device-friendly interface

Future Scope: Multilingual support, personalized recommendations

SYSTEM ARCHITECTURE

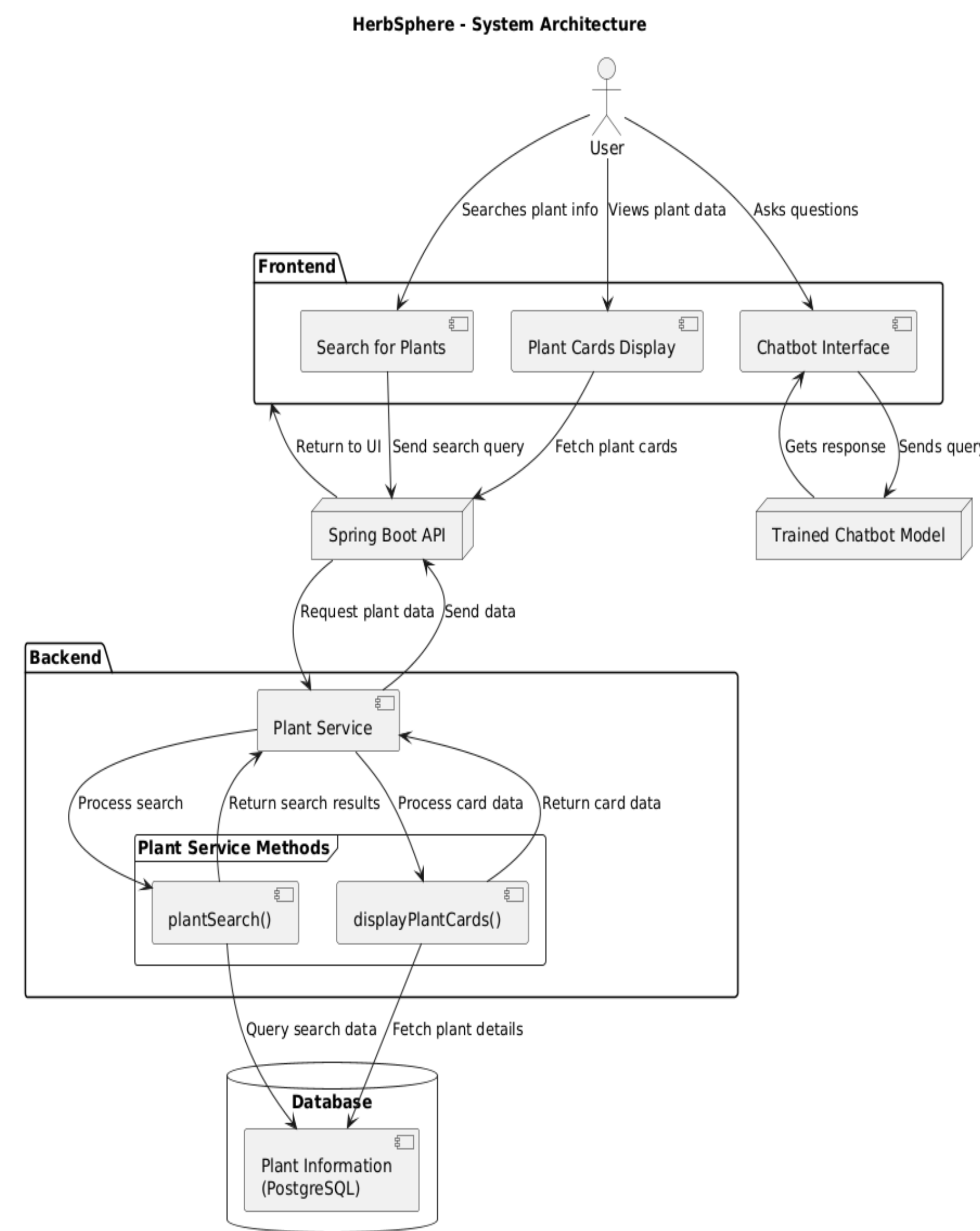


Figure 1: System Architecture of HerbSphere

ACTIVITY DIAGRAM

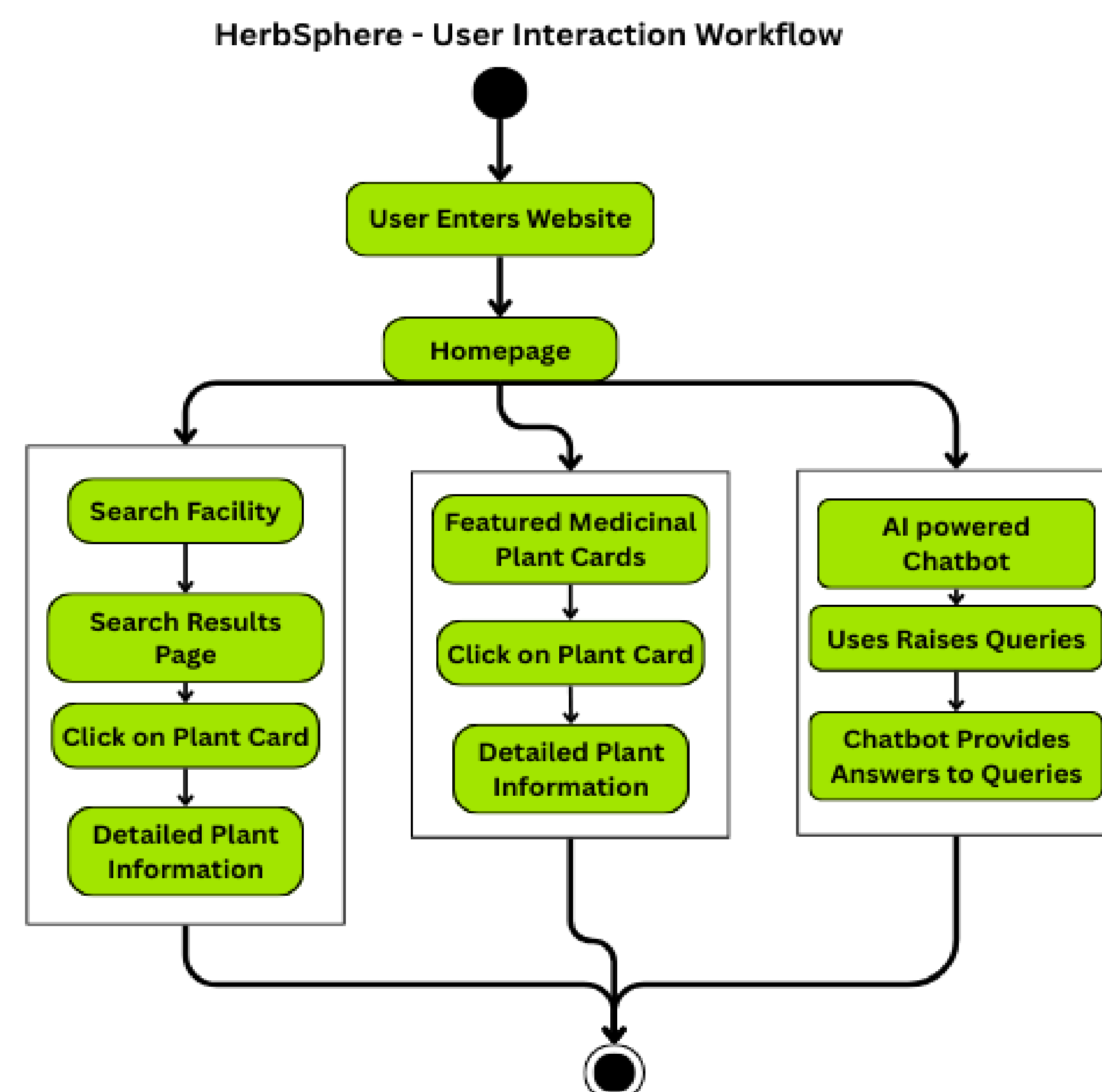
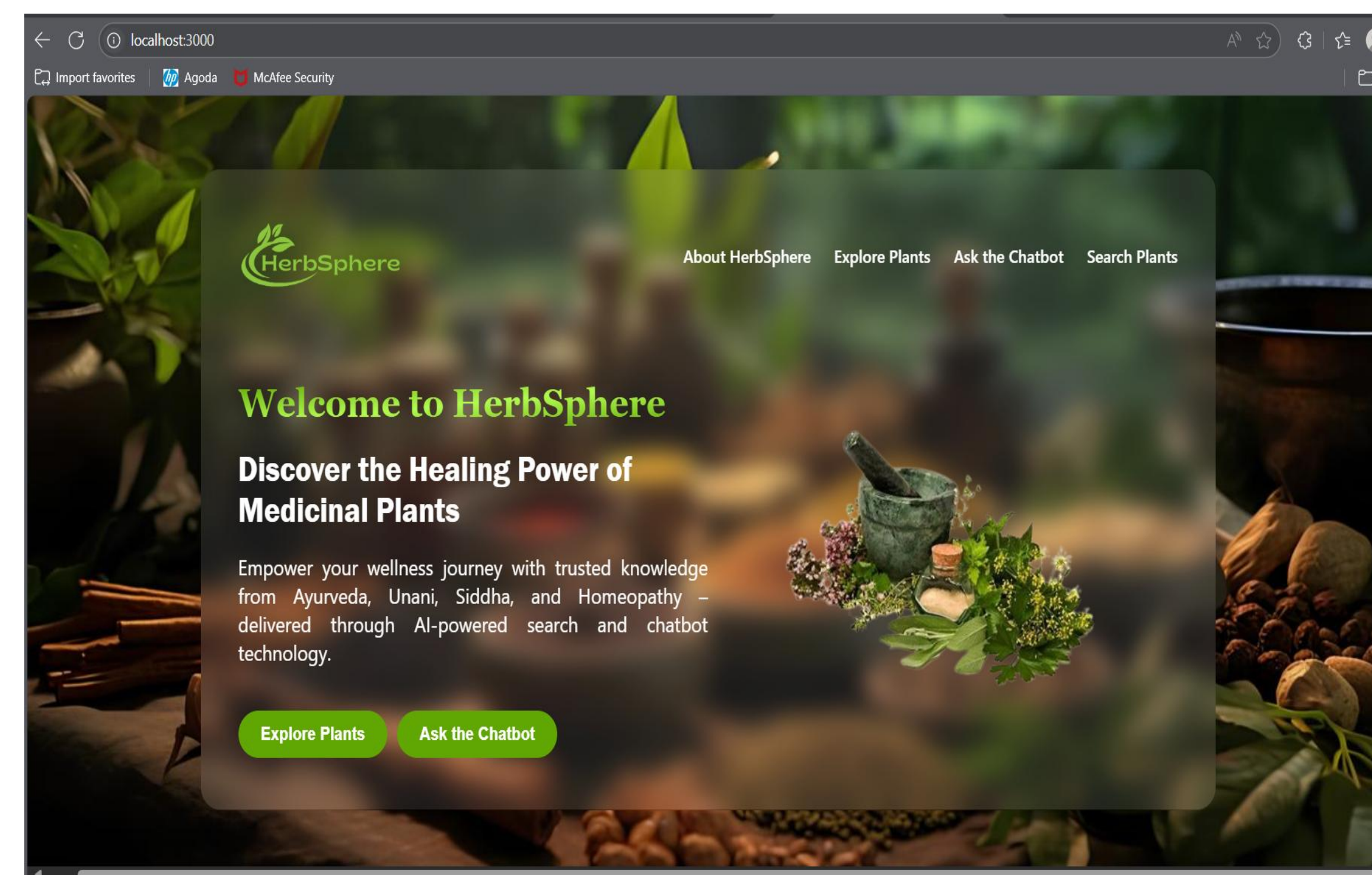


Figure 2: Activity Diagram of HerbSphere

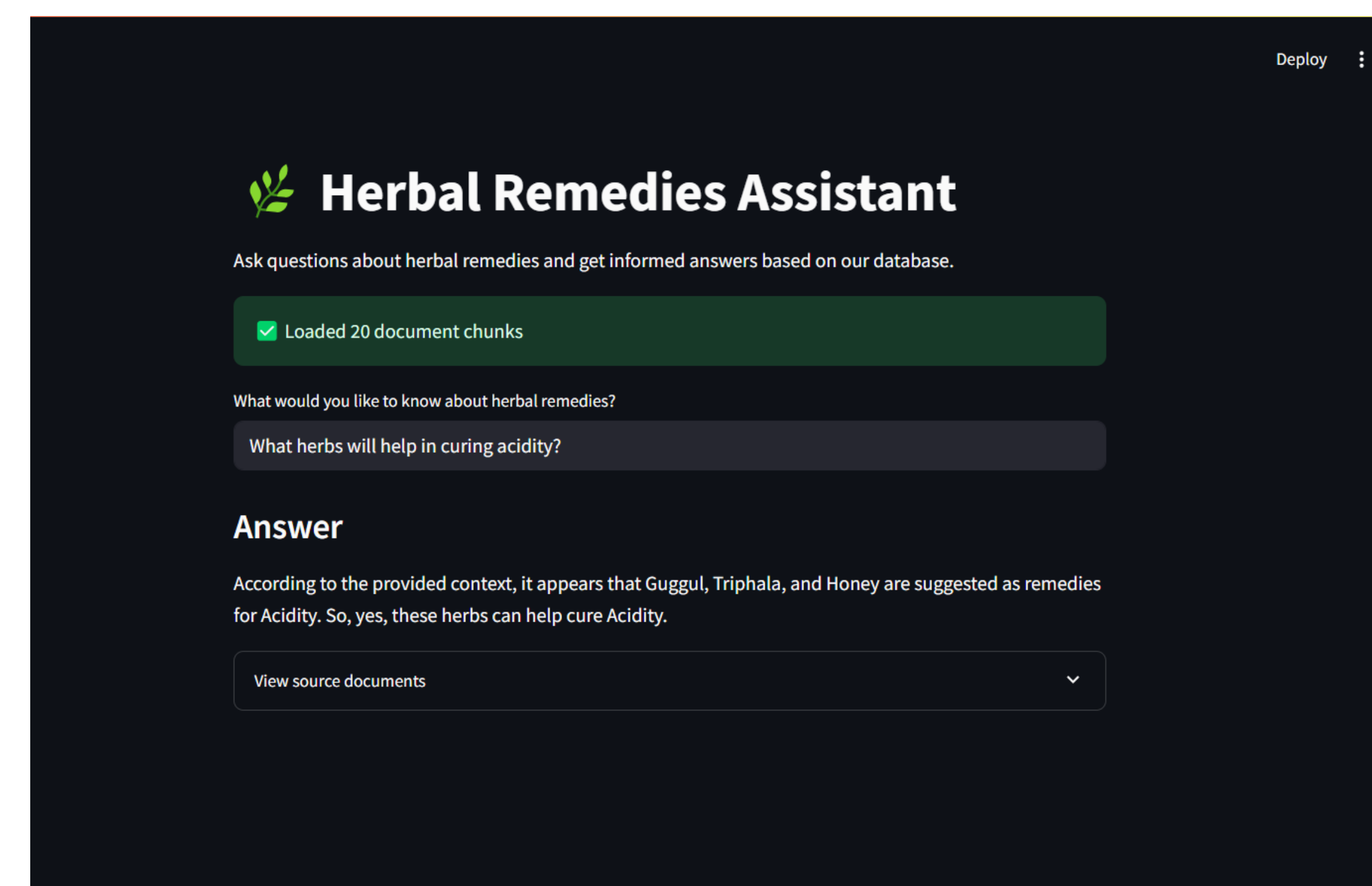
TECH STACK



UI/UX DESIGN



CHATBOT INTERFACE



RESULTS

HerbSphere is an AI-powered platform that helps users explore AYUSH-based medicinal plants through a chatbot. It supports searches by plant name, symptoms, and health concerns, providing detailed profiles. The responsive design ensures accessibility across devices, with a strong foundation for future scalability and multilingual support.

CONCLUSION

HerbSphere is an AI-driven platform that makes traditional herbal knowledge accessible. It helps users find AYUSH-based remedies through chatbot interactions, educational content, and personalized suggestions. With a strong tech foundation, it promotes holistic healing and aims to advance public health with future multilingual and analytics features.

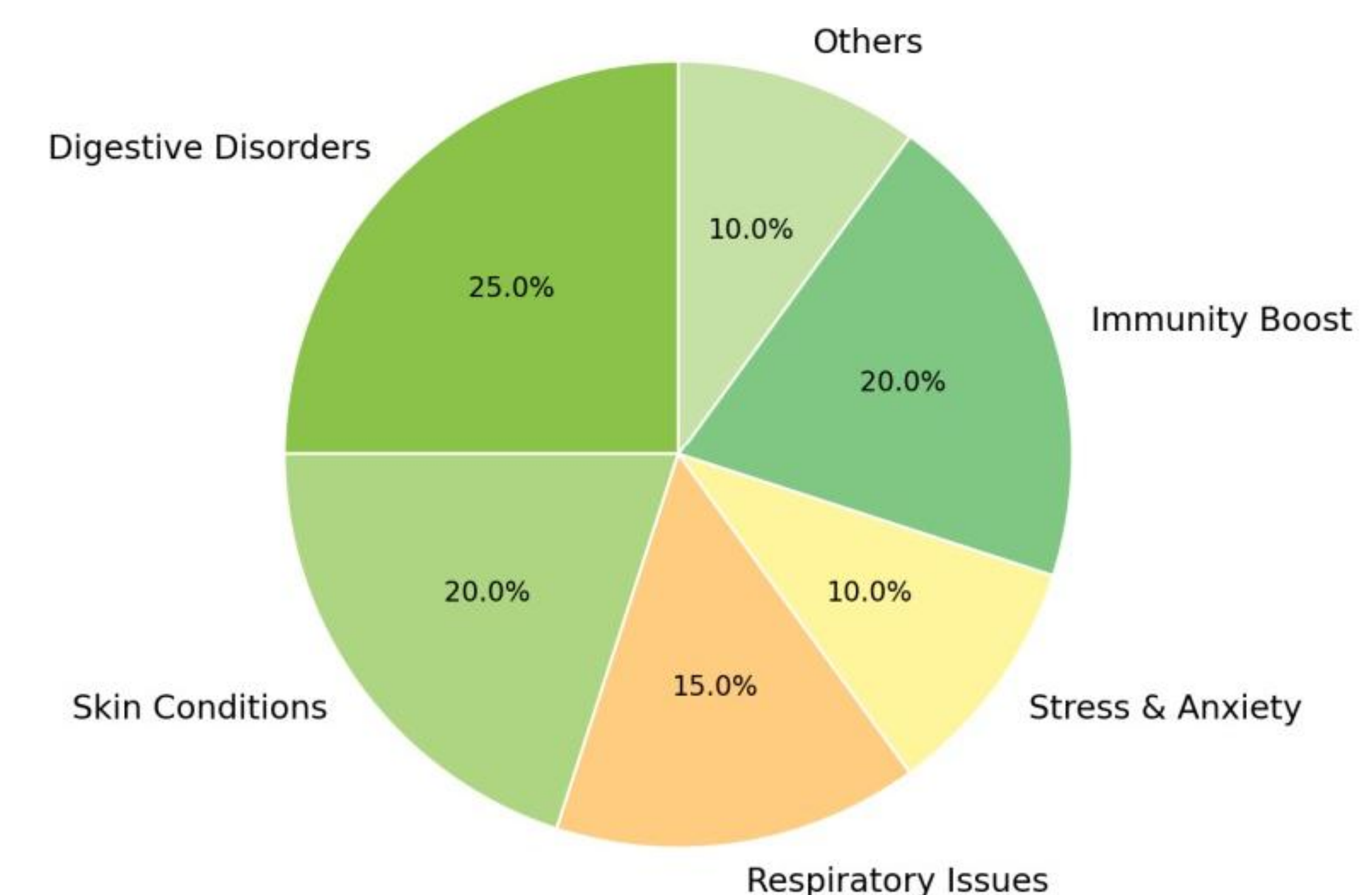


Figure 3: Distribution of Herbal Remedies by Ailment Category

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