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SUBMITTED TO: MR. JEROME FABREGAR

A Project in IT 332: Integrative Programming and Technologies

# HERB PEDIA

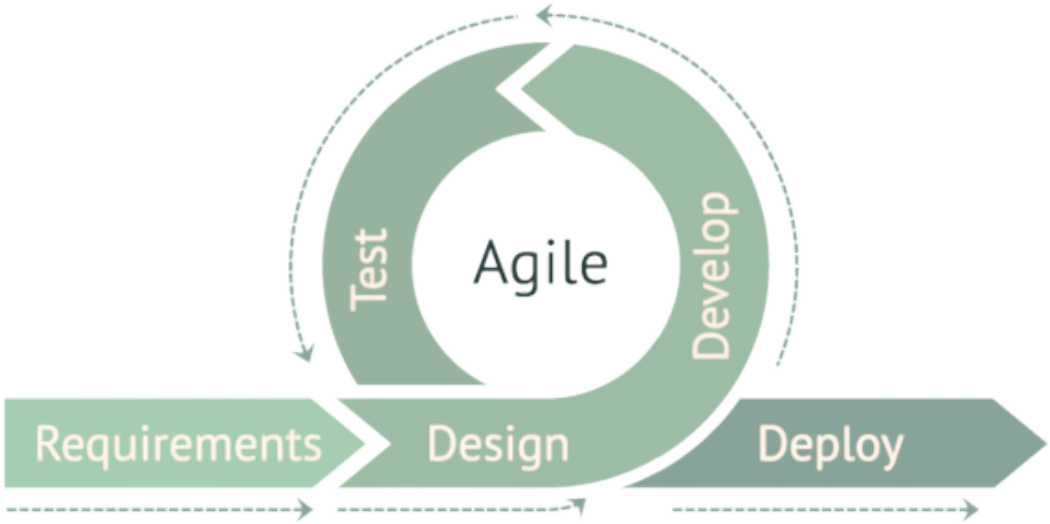
An Informative Application Exploring The Power of Medicinal Plants Through The Life of Technology.

## PROJECT DESCRIPTION

An informative application that encompasses crucial information that is concerning to medicinal plants, It is developed in order to understand the main purpose of herbal plants not only in our personal health but also in our community. The application is intended to raise awareness how herbal plants play an important role in handling different types of diseases.

The developers aim to collaborate the power and ability of herbal plants with the life of technology, and with that, the developers are expecting that it would give a hand to the achievement to the objectives of SDG 3: Good Health and Well Being.

## DEVELOPMENT MODEL




AGILE METHODOLOGY

**Requirements.** In the first stage of the development model, the developers identified what the goals of the application are. In addition, a few criteria, such as the programming languages to be used to get the necessary results, have been established.

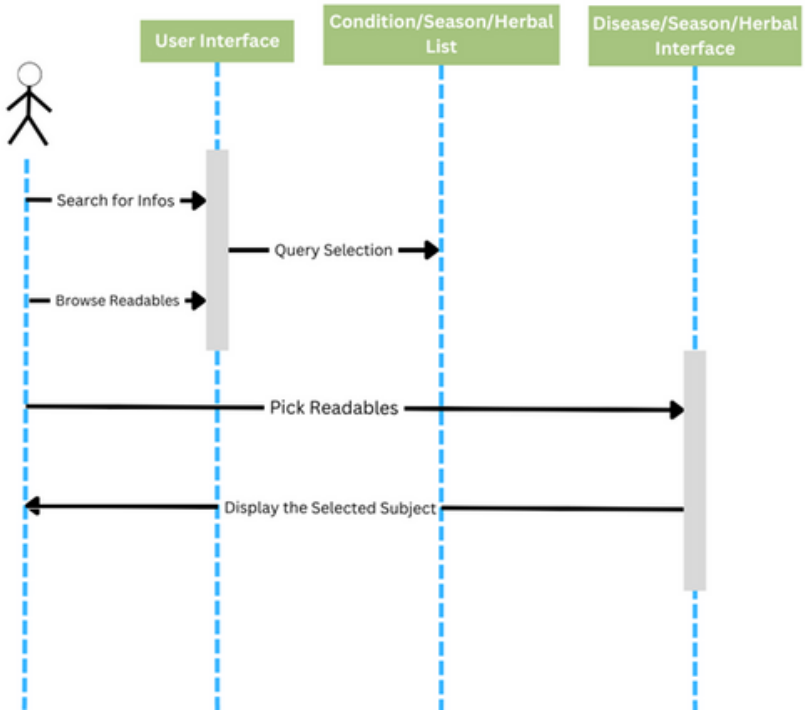
**Design**. Integrated into the development process to ensure that the software delivers value to the end-users. Design is entwined throughout the entire development process and not thought of as a discrete phase or activity. The developer closely collaborates with the product owner to comprehend their needs and uses input to iterate on the software's design and development.

**Develop.** Developers begin creating the initial iteration of the software while utilizing the system's development. All associated production tasks in the proposed system's UX/UI design, architecture, and coding, are included in the development phase.

**Test.** The advocates concentrated on enhancing system performance and quality for the user throughout this phase, as well as adding value for the project team by lowering administrative costs and speeding up the rate of response.

**Deploy**. This phase, the system is prepared for delivery and the deployment phase commences. As a result, provided the system has performed as expected and fulfilled all standards, proponents start to implement the course.

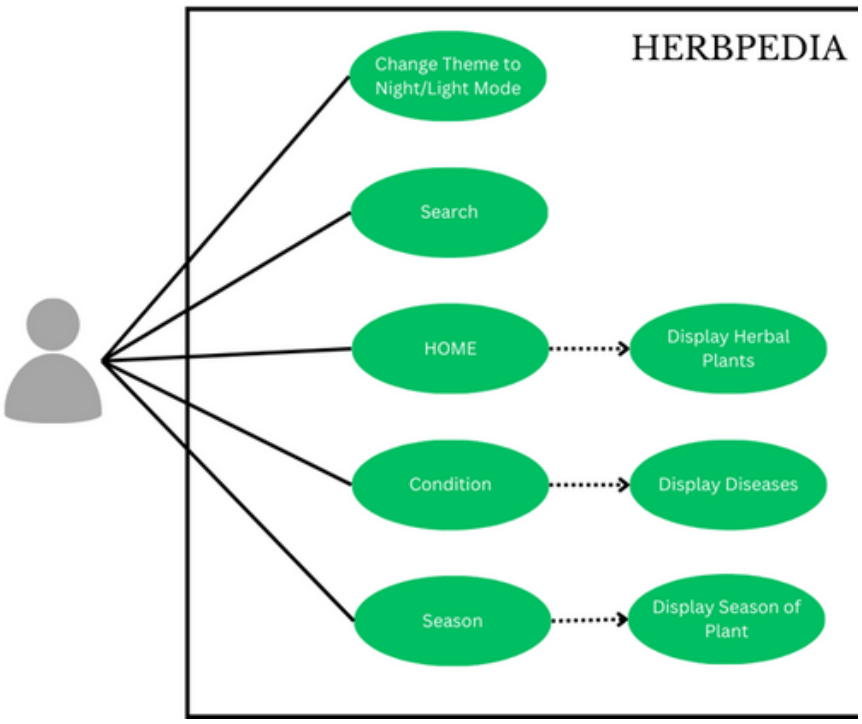
# SYSTEM ARCHITECTURE




## Sequence Diagram

This figure displays the Sequence Diagram, it portrays the processes involved and the sequence of message exchanged between operations and an entity. As the figure shows the actor where it executed an operation and directly manipulates the objects to exchange message to return a content expected by the user.

The **Use Case Diagram** outlines the application's function and scope, user usage, theme change, search bar functionality, homepage, condition, and seasonal availability of herbal plants. The user can also customize the theme and search bar for specific subjects.



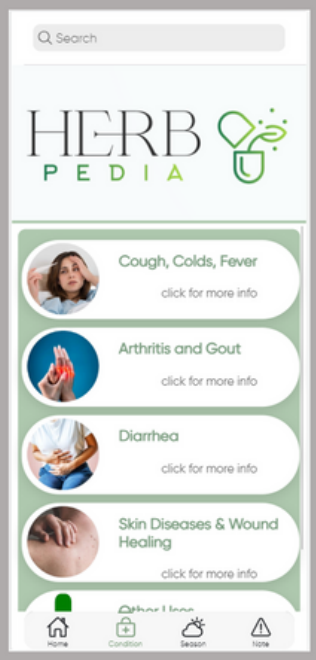
# APPLICATION SCREENSHOTS

## LOADING PAGE

## HOME PAGE

## PLANT DESCRIPTION

## DISEASE SECTION

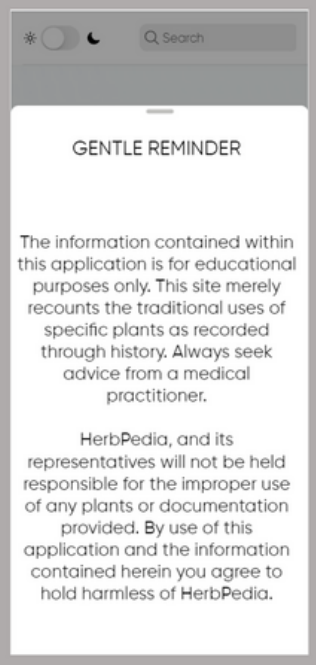



## RECOMMENDATION

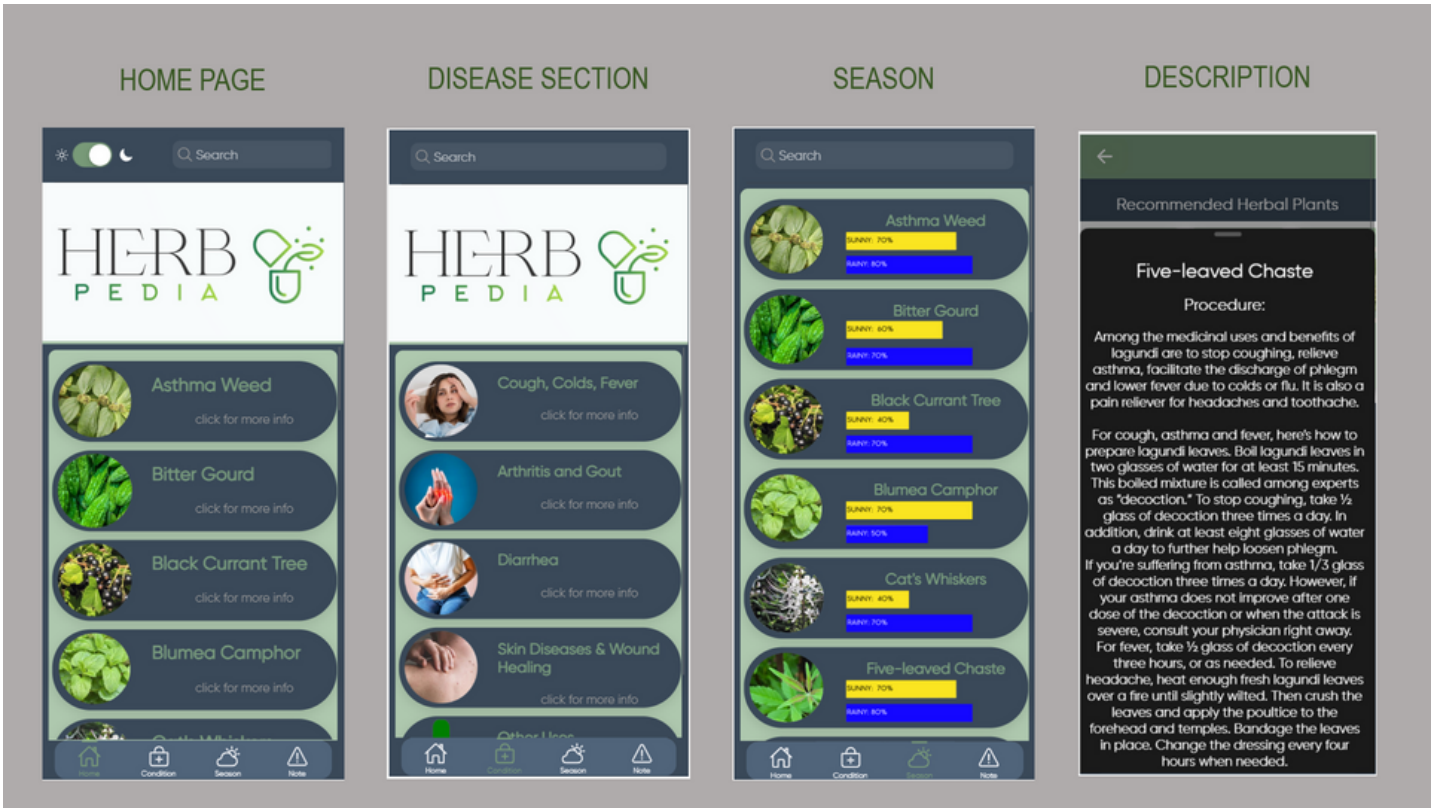
## PROCEDURE

## SEASON

## REMINDER

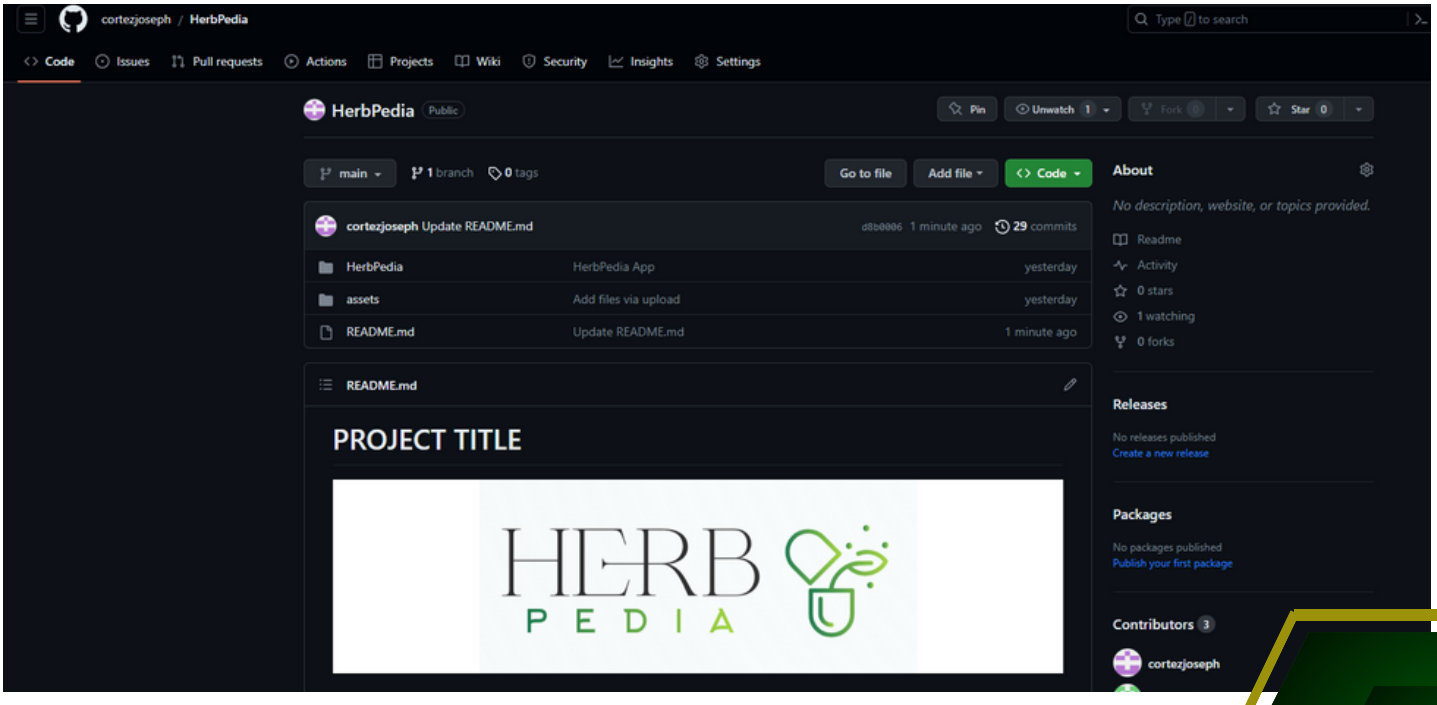


# NIGHT MODE




# GITHUB REPOSITORY

https://github.com/cortezjoseph/HerbPedia



# TEAM MEMBERS