Project Report

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PlantPalace

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Contents :

Group Members

Members of Binary Blitz

Sir Arsalan   Faculty

Raziuddin (1448810)

Uzair (1448331)

Muhammad Hammad Ahmed (1454574)

1.Background & need for this portal

Now a days as life gets busier and busier, individuals skip keeping plants in their residents simply because it is difficult for them to take time out in their busy schedules to go and purchase plants for decorating their residents. That's where a need for a web portal comes into play through which, customers can easily buy their Favorite plants for themselves at the comfort of their home. A customer can simply place an order on website and their ordered products will be delivered to their respective addresses. So, creating this web portal will be convenient for many individuals.

2. Proposed Solution:

1. A website provides an online platform for you to showcase your plants, gardening tips, and expertise. This is especially important as more people turn to the internet to find information and products.

2. Users can buy plants or flowers; a website serves as an online store. Customers can browse through products, make purchases, and have products shipped directly to their doorstep.

3. Purpose of the document:

Plant Palace portal is purposed as an online store for customers. This Document:

- Presents purpose and features of the portal.
- Explains interfaces of the portal.
- Describes what the portal will do.
- Lists the constraints under which it must operate.

4. Who can use this document?

This document is intended for the following:

- Stakeholders of the portal.
- Developers of the portal.

5. Scope of project:

It is an e-commerce website. It is a platform where user can easily make purchases, a website can serve as an online store from where customers can search through different kinds of products, make purchases, and have products shipped directly to their doorstep.

6. Constraints:

Constraints also known as a limitation or restriction. The Web Portal will not have any facility to store information on the server. Information can be fetched from pre- populated JSON or TXT files and displayed; however, information cannot be written to the files from within the portal.

7. Functional Requirements:

The portal has been designed as a Single-Page-Application (SPA) and responsive website with a set of pages and menus that represent choice of activities to be performed. The pages, menus, and other visual elements has been designed in a visually appealing manner with attractive fonts, colours, and animations. All of these has been laid out in a responsive manner.

The following functional requirements of the portal are:

Cata- Log Display:

The Website displays a cata-log of plants available for purchase. Plants are organized into categories, such as indoor, outdoor and flowering. Users can browse through the cata-log and view individual plant listings. Data is hardcoded and retrieved from
the JSON/TXT file.

Search and Navigation:

Users is able to search for a specific plant by name. The Website provides navigation options to access different plant categories and sections.

Sorting and Filtering:

Users can sort the plant cata-log based on price criteria and by alphabetical order. Users is able to filter plants based on specific light requirements.

Plant Information:

Each plant listing displays detailed information about the plant species. Information also includes the plant's common and scientific name, description, uses, blooming time, seasons, light requirements, and other relevant details.

Data is hardcoded and retrieved from the JSON/TXT file

Shopping Cart and Checkout:

Users is able to add plants to their shopping cart for purchase. The Website displays the contents of the user's shopping cart and allow them to modify quantities or remove items.

Feedback:

Feedback menu option enables users to provide their feedback about this Website through a feedback form.

Contact Us:

Contact Us menu option enables users to contact the creators of the Website. An email id can be displayed here for contact information.

Sitemap:

To help users understand the flow of the Website, a sitemap has been created for user guidance and added into home page of our Website.

8. Non-Functional Requirements:

There are several non-functional requirements that are fulfilled by the Website. The Website provides:

Safe to use:

The Website is not resulting in any malicious downloads or unnecessary file downloads.

Accessible :

The Website have clear and legible fonts, user-interface elements, and navigation elements.

User- friendly:

The Website is easy to navigate with clear items and other elements and easy to understand.

Operability:

The Website operates in a reliably efficient manner, speed and throughput. In simple terms, the Website is fast to load and page redirection is smooth.

Capacity:

The Website supports large number of use

The Website is available 24/7 with minimum downtime.

Compatibility:

The Website compatible with latest browser