ACKNOWLEDGEMENTS

Munirat: Back-End

Kene: Front-End

Joshua: Front-End

Mariam: Report

We would like to thank our teachers for the support they gave us in making this project.

SYNOPSIS

The goal of this project was to make the Web application will be dynamic, responsive, and visually appealing and will aid users in online shopping of plants and related gardening supplies/tools. The Users would be able to browse through various plant categories, see plant description, price, and so on. They can search for specific plants/accessories, add them to the cart, modify cart items if required, and check the total amount they are expected to pay. However, payment and delivery functionality is beyond the scope of this project.

Design and Functional Specifications

For Users:

• Home Page: The home page should typically showcase a selection of plants, featured categories, and so on. It should also provide an introduction to the online plant nursery.

• Account Registration: The registration option shall allow new users (henceforth, called as users) to create secure accounts. It will enable users to register themselves with PlantNest. At the time of registration, users must provide Name, Email ID, Contact Number, and Username, and then, configure their Password. Appropriate error-checking must be done on the fields of the form to ensure correct data. For example, email id can be checked to see if it is of appropriate format. (Hint: Use client-side validation).

• Login: This option will allow successfully registered users to login to the PlantNest application and access various features of the application through menus or sidebars.

• Settings: Users will be able to manage their accounts by using sub-options such as Create, Update, and Delete Profile.

• Plants Catalog: This option will showcase all varieties of plants one can order online via PlantNest. Catalog will have various categories of plants as follows: 1. Flowering 2. Non-flowering 3. Indoor 4. Outdoor 5. Succulents 6. Medicinal and so on Plant catalog should be displayed using an image gallery and can have information such as plant name, species, price, discount (if any), description, and so on. Each plant or tool should have Add to Cart and Add to Wishlist feature.

• Accessories: This option should include various accessories necessary for taking care of plants. Details of each accessory such as name, purpose, price, and image, and so on should be included. Accessories can include gardening supplies/tools such as soil, fertilizers, spades, and pesticides too.

• Checkout: This should show the shopping cart contents and total bill based on plant/accessories price and quantity purchased. You do not have to implement payment functionality, just list the cart contents, and compute the bill. • Cancel Order: Users can cancel an already placed order through this option.

• My Cart: Users can view their cart. • Submit Reviews: Users can give reviews about plants and accessories they purchased.

Following are options available for Admin:

• Login: It will allow admin to login to the Web application and add plants, accessories, view orders, and so on.

• Dashboard: In this option, the admin can view the total registered users, total products (plants/accessories), status of orders, and stock.

• Availability: In this option, admin can check whether the particular plant from a specific category is available in stock or not.

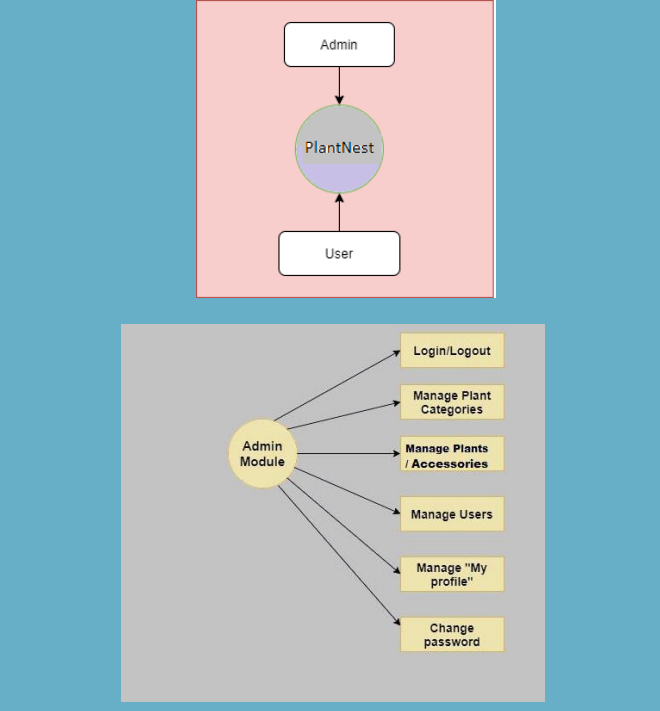
• Sold Quantity: This option will allow the admin to keep records of the number of Plants that have been sold. This can be tracked from the cart checkouts.

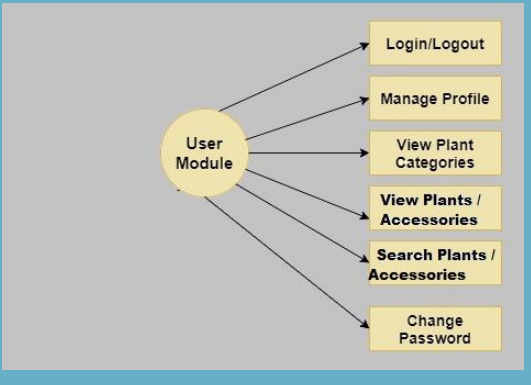
• View Reviews: This option will allow admin to view reviews submitted by users.

• View Feedback: Admin can view feedback submitted by users regarding the application. Following are options common to both types of users (Admin and Users):

• Search and Filter: Users/Admin can search for/filter specific plant/accessories based on some criteria.

• Sort: Users/Admin can sort data based on specific criteria. Sitemap: To understand the flow of PlantNest Web application, you will have to create a Sitemap and add it to the home page of your application.





Source Code

HTML

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Your E-Commerce Store</title>

<link rel="stylesheet" href="index.css">

</head>

<body>

<header>

<div class="navbar">

  <a href="home.html" class="logo">PlantNest</a>

  <a href="home.html">Home</a>

  <a href="product.html">Products/Categories</a>

  <a href="aboutus.html">about us</a>

  <a href="contact.html">Contact</a>

</div>

</header>

<section class="home-section">

    <div class="home-bg"></div> <!-- Empty div for background image -->

  <div class="home-content">

    <h1>Welcome to Plantnest</h1>

    <p>Discover amazing plants on Plantnest</p>

    <a href="product.html" class="cta-button">Explore Now</a>

  </div>

</section>

<h1 class="card-h1" style="text-align: center; margin-top: 5%; font-size: 50px;"> Featured plants</h1>

<section class="card-section">

    <div class="product-card">

      <img src="images/ameenfahmy-gcWd0ts4RCo-unsplash.jpg" alt="Product 1">

      <h2>Plant Rose</h2>

      <p>The Rose Plant is a timeless symbol of love and beauty.</p>

      <a href="rose.html" class="cta-button">View Details</a>

    </div>

    <div class="product-card">

        <img src="images/alex-furgiuele-UkH7L-aag8A-unsplash.jpg" alt="Product 1">

        <h2>Cactus</h2>

        <p>The Cactus Plant is a symbol of resilience and endurance.</p>

        <a href="cactus.html" class="cta-button">View Details</a>

      </div>

    <div class="product-card">

      <img src="images/doug-kelley-rPDuuBEtFI8-unsplash.jpg" alt="Product 2">

      <h2>Peace lily</h2>

      <p>The Lily Plant is known for its elegant and fragrant blooms.</p>

      <a href="lily.html" class="cta-button">View Details</a>

    </div>

    <!-- Add more product cards as needed -->

</section>

<div class="card-button-div">

<a href="product.html" class="card-button"> View More Plants</a>

</div>

<!-- Rest of your e-commerce website content goes here -->

<section class="home-about">

    <div class="container">

      <div class="column">

        <h2>Your #1 store for finding your plants</h2>

        <p>Welcome to PlantNest, your urban jungle haven where nature and beauty thrive indoors. Our passion for plants has driven us to create a space where fellow plant enthusiasts can explore, learn, and cultivate their own green sanctuaries.</p>

      </div>

      <div class="column">

        <img src="images/igor-son-FV\_PxCqgtwc-unsplash.jpg" alt="About Us Image">

      </div>

    </div>

  </div>

</section>

<section class="benefits-section">

    <div class="benefits-row">

      <div class="benefits-column">

        <h3>Wide Variety</h3>

        <p>Choose from a diverse range of plants to suit your style and preferences.</p>

      </div>

      <div class="benefits-column">

        <h3>Nurtured Plants</h3>

        <p>Our plants are nurtured with care, ensuring their health and vitality.</p>

      </div>

    </div>

    <div class="benefits-row">

        <div class="benefits-column">

          <h3>Expert Advice</h3>

          <p>Get expert advice on plant care and maintenance from our knowledgeable team.</p>

        </div>

        <div class="benefits-column">

          <h3>Green Living</h3>

          <p>Bring the beauty of nature indoors and enjoy the benefits of green living.</p>

        </div>

      </div>

    </section>

    <section class="footer">

        <div class="social">

          <a href="#"><i class="fab fa-instagram"></i></a>

          <a href="#"><i class="fab fa-snapchat"></i></a>

          <a href="#"><i class="fab fa-twitter"></i></a>

          <a href="#"><i class="fab fa-facebook-f"></i></a>

        </div>

        <ul class="list">

          <li>

            <a href="index.html">Home</a>

          </li>

          <li>

            <a href="product.html">Products</a>

          </li>

          <li>

            <a href="aboutus.html">About</a>

          </li>

          <li>

            <a href="#">Terms</a>

          </li>

          <li>

            <a href="#">Privacy Policy</a>

          </li>

        </ul>

        <p class="copyright">Plant Nest @ 2023</p>

      </section>

</body>

</html>

CSS

body {

    margin: 0;

    font-family: Arial, sans-serif;

  }

  .navbar {

    background-color: #333;

    overflow: hidden;

  }

  .navbar a {

    float: left;

    display: block;

    color: white;

    text-align: right;

    padding: 14px 16px;

    text-decoration: none;

    margin-right: 70px; /\* Adjust this margin as needed \*/

    margin-top: 5px;

  }

  .navbar a:hover {

    background-color: #ddd;

    color: black;

  }

  .navbar .logo {

    font-size: 24px;

    font-weight: bold;

    margin-right: 40px; /\* Adjust this margin as needed \*/

    margin-top: -1px;

  }

  @media screen and (max-width: 600px) {

    .navbar a {

      float: none;

      display: block;

      text-align: left;

      margin-right: 0;

      margin-bottom: 5px; /\* Add margin at the bottom for spacing \*/

    }

    .navbar .logo {

      text-align: center;

      margin-right: 0;

    }

  }

    /\* Your existing CSS styles here \*/

    /\* Your existing CSS styles here \*/

.home-section {

    text-align: center;

    padding: 100px 0;

   height: 300px;

}

.home-bg {

    position: absolute;

    top: 0;

    left: 0;

    width: 100%;

    height: 550px;

    background-image: url('images/chris-abney-qLW70Aoo8BE-unsplash.jpg');

    background-size: cover;

    background-position: center;

    z-index: -1;

  }

  .home-bg::before {

    content: '';

    position: absolute;

    top: 0;

    left: 0;

    width: 100%;

    height: 100%;

    background-color: rgba(0, 0, 0, 0.5); /\* Adjust the RGB values and opacity \*/

    z-index: -1;

  }

  .home-section h1 {

    font-size: 55px;

    margin-bottom: 20px;

    color: #ddd;

  }

  .home-section p {

    font-size: 30px;

    margin-bottom: 30px;

    color: whitesmoke;

  }

  .cta-button {

    display: inline-block;

    padding: 10px 20px;

    background-color: #333;

    color: white;

    text-decoration: none;

    border-radius: 4px;

    font-weight: bold;

    transition: background-color 0.3s ease;

  }

  .cta-button a {

    font-size: 24px;

  }

  .cta-button:hover {

    background-color: #555;

  }

  /\* Your existing CSS styles here \*/

.card-section {

    padding: 50px 0;

    display: flex;

    justify-content: space-around;

    flex-wrap: wrap;

  }

  .card-h1 {

text-align: center;

  }

  .product-card {

    width: 300px;

    padding: 20px;

    height: auto;

    border: 1px solid #ccc;

    border-radius: 8px;

    text-align: center;

    margin-bottom: 20px;

    box-shadow: 0px 2px 6px rgba(0, 0, 0, 0.1);

  }

  .product-card img {

    max-width: 100%;

    width: 300px;

    height: 350px;

    border-radius: 8px;

  }

  .product-card h2 {

    font-size: 20px;

    margin: 10px 0;

  }

  .product-card p {

    font-size: 14px;

    color: #666;

  }

  .cta-button {

    display: inline-block;

    padding: 8px 16px;

    background-color: #333;

    color: white;

    text-decoration: none;

    border-radius: 4px;

    font-weight: bold;

    transition: background-color 0.3s ease;

  }

  .cta-button:hover {

    background-color: #555;

  }

  .card-button-div {

    text-align: center;

  }

  .card-button {

    display: inline-block;

    padding: 1%;

    background-color: #49b449;

    color: white;

    text-decoration: none;

    border-radius: 4px;

    font-weight: bold;

    font-size: 20px;

    border-style: none;

    box-shadow: 2px 3px 5px rgba(0, 0, 0, 0.3);

 }

 .card-button:hover {

    background-color: rgb(220, 228, 235);

    color: #000000;

 }

 /\* Your existing CSS styles here \*/

.home-about {

    padding: 50px 0;

    background-color: #8ff058;

    margin-top: 5%;;

  }

  .container {

    display: flex;

    justify-content: space-between;

    align-items: center;

    flex-wrap: wrap;

    max-width: 1200px;

    margin: 0 auto;

  }

  .column {

    width: calc(50% - 20px);

    padding: 20px;

    box-sizing: border-box;

  }

  .column h2 {

    font-size: 24px;

    margin-bottom: 10px;

  }

  .column p {

    font-size: 16px;

    color: #000000;

  }

  .column img {

    max-width: 100%;

    height: auto;

    border-radius: 8px;

  }

  /\* Your existing CSS styles here \*/

.benefits-section {

    padding: 50px 0;

    background-color: #f7f7f7;

  }

  .benefits-row{

    display: flex;

    justify-content: space-between;

    align-items: center;

    flex-wrap: wrap;

    margin-bottom: 30px;

  }

  .benefits-column{

    width: calc(50% - 20px);

    margin-left: 0.5%;

    margin-right: 0.5%;

    height: 250px;

    padding: 10px;

    box-sizing: border-box;

    text-align: center;

    background-color: rgb(197, 195, 195);

    border-radius: 8px;

    box-shadow: 4px 2px 6px rgba(0, 0, 0, 0.1);

  }

  .benefits-column img {

    max-width: 100%;

    height: auto;

    border-radius: 8px;

  }

  .benefits-column h3 {

    font-size: 20px;

    margin-top: 10px;

  }

  .benefits-column p {

    font-size: 16px;

    color: #666;

  }

  .footer {

    background-color: #313030;

  }

  .footer ul {

    margin-top: 0;

    padding: 0;

    list-style: none;

    text-align: center;

    font-size: 18px;

    line-height: 1.6;

    margin-bottom: 0;

  }

  .footer ul a {

    color: white;

    text-decoration: none;

    opacity: 0.8;

  }

  .footer ul li {

    display: inline-block;

    padding: 0 15px;

  }

  .footer ul a:hover {

    opacity: 1;

  }

  .footer .copyright {

    margin-top: 15px;

    text-align: center;

    font-size: 13px;

    color: #aaa;

  }

  .contact-section {

    max-width: 800px;

    margin: 40px auto;

    padding: 20px;

    background-color: #86d174;

    border-radius: 8px;

    box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);

}

.contact-section h1 {

    font-size: 36px;

    margin-bottom: 20px;

}

.contact-details h2 {

    font-size: 24px;

    margin-bottom: 10px;

}

.contact-details p {

  margin-bottom: 5px;

}

.contact-form {

  margin-top: 30px;

}

.contact-form label {

  display: block;

  font-size: 16px;

  margin-bottom: 5px;

}

.contact-form input,

.contact-form textarea {

    width: 90%;

    padding: 10px;

    font-size: 16px;

    border: 1px solid #ccc;

    border-radius: 4px;

    margin-bottom: 15px;

}

.contact-form button {

    background-color: #333;

    color: #fff;

    border: none;

    padding: 10px 20px;

    font-size: 16px;

    border-radius: 4px;

    cursor: pointer;

}

Php

<?php

// define('DB\_SERVER','localhost');

// define('DB\_USER','munirat\_shitta-bey');

// define('DB\_PASS' ,'munirat@123');

// define('DB\_NAME', 'plantnest');

define('DB\_SERVER','localhost');

define('DB\_USER','root');

define('DB\_PASS' ,'');

define('DB\_NAME', 'plantnest');

class dbconnect{

        function \_\_construct(){

         $con = mysqli\_connect(DB\_SERVER,DB\_USER,DB\_PASS,DB\_NAME);

$this->db=$con;

if (mysqli\_connect\_errno())

{

echo "Failed to connect to MySQL: " . mysqli\_connect\_error();

 }

       }

}

<?php

//database\_connection.php

$connect = new PDO("mysql:host=localhost;dbname=nicolex;charset=utf8mb4", "root", "");

// $connect = new PDO("mysql:host=localhost;dbname=plantnest;charset=utf8mb4", "biswa\_nicolex", "nicolex@123");

SQL

-- phpMyAdmin SQL Dump

-- version 5.2.1

-- https://www.phpmyadmin.net/

--

-- Host: 127.0.0.1

-- Generation Time: Aug 12, 2023 at 10:30 PM

-- Server version: 10.4.28-MariaDB

-- PHP Version: 8.2.4

SET SQL\_MODE = "NO\_AUTO\_VALUE\_ON\_ZERO";

START TRANSACTION;

SET time\_zone = "+00:00";

/\*!40101 SET @OLD\_CHARACTER\_SET\_CLIENT=@@CHARACTER\_SET\_CLIENT \*/;

/\*!40101 SET @OLD\_CHARACTER\_SET\_RESULTS=@@CHARACTER\_SET\_RESULTS \*/;

/\*!40101 SET @OLD\_COLLATION\_CONNECTION=@@COLLATION\_CONNECTION \*/;

/\*!40101 SET NAMES utf8mb4 \*/;

--

-- Database: `plantnest`

--

-- --------------------------------------------------------

--

-- Table structure for table `categories`

--

CREATE TABLE `categories` (

  `Category\_Id` int(11) NOT NULL,

  `Name` varchar(50) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- --------------------------------------------------------

--

-- Table structure for table `orders`

--

CREATE TABLE `orders` (

  `Order\_Id` int(11) NOT NULL,

  `User\_Id` int(11) DEFAULT NULL,

  `Plant\_Id` int(11) DEFAULT NULL,

  `Quantity` int(11) DEFAULT NULL,

  `Order\_Date` date DEFAULT NULL,

  `Total\_Amount` int(11) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- --------------------------------------------------------

--

-- Table structure for table `plants`

--

CREATE TABLE `plants` (

  `Plant\_Id` int(11) NOT NULL,

  `Name` varchar(50) DEFAULT NULL,

  `Description` varchar(500) DEFAULT NULL,

  `Price` int(11) DEFAULT NULL,

  `Image\_Url` varchar(50) DEFAULT NULL,

  `Category\_Id` int(11) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

-- --------------------------------------------------------

--

-- Table structure for table `users`

--

CREATE TABLE `users` (

  `User\_Id` int(11) NOT NULL,

  `Username` varchar(15) DEFAULT NULL,

  `Fullname` varchar(50) DEFAULT NULL,

  `Email` varchar(50) DEFAULT NULL,

  `password` varchar(15) DEFAULT NULL,

  `Role` varchar(10) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Indexes for dumped tables

--

--

-- Indexes for table `categories`

--

ALTER TABLE `categories`

  ADD PRIMARY KEY (`Category\_Id`);

--

-- Indexes for table `orders`

--

ALTER TABLE `orders`

  ADD PRIMARY KEY (`Order\_Id`),

  ADD KEY `User\_Id` (`User\_Id`),

  ADD KEY `Plant\_Id` (`Plant\_Id`);

--

-- Indexes for table `plants`

--

ALTER TABLE `plants`

  ADD PRIMARY KEY (`Plant\_Id`),

  ADD KEY `Category\_Id` (`Category\_Id`);

--

-- Indexes for table `users`

--

ALTER TABLE `users`

  ADD PRIMARY KEY (`User\_Id`);

--

-- Constraints for dumped tables

--

--

-- Constraints for table `orders`

--

ALTER TABLE `orders`

  ADD CONSTRAINT `orders\_ibfk\_1` FOREIGN KEY (`User\_Id`) REFERENCES `users` (`User\_Id`),

  ADD CONSTRAINT `orders\_ibfk\_2` FOREIGN KEY (`Plant\_Id`) REFERENCES `plants` (`Plant\_Id`);

--

-- Constraints for table `plants`

--

ALTER TABLE `plants`

  ADD CONSTRAINT `plants\_ibfk\_1` FOREIGN KEY (`Category\_Id`) REFERENCES `categories` (`Category\_Id`);

COMMIT;

/\*!40101 SET CHARACTER\_SET\_CLIENT=@OLD\_CHARACTER\_SET\_CLIENT \*/;

/\*!40101 SET CHARACTER\_SET\_RESULTS=@OLD\_CHARACTER\_SET\_RESULTS \*/;

/\*!40101 SET COLLATION\_CONNECTION=@OLD\_COLLATION\_CONNECTION \*/;