Web Based Application For TV Manufacturer

A Mini Project Report

Submitted by

ROHITH S

22ITR087

22ITT42- WEB TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY
KONGU ENGINEERING COLLEGE

(Autonomous)

PERUNDURAI ERODE-638060

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Git link :   https://github.com/ROHITH-Bsuresh/Web-Technology.git

Coding :

HOME.HTML

```html
<!DOCTYPE html>
<html>
<head>
   <title>Home</title>
   <style>
      body {
         font-family: Arial, sans-serif;
         margin: 0;
         padding: 0;
         color: rgb(18, 17, 17);
      }
      .background {
         position: fixed;
         width: 100%;
         height: 100%;
         background-image: url('home.jpg');
         background-size: cover;
         background-position: center;
         z-index: -1;
      }
      .overlay {
         position: fixed;
         width: 100%;
         height: 100%;
         background: rgba(0, 0, 0, 0.5);
         z-index: 0;
      }
      .navbar {
         background-color: rgba(0, 0, 0, 0.7);
         padding: 20px 10px;
         text-align: center;
         z-index: 1;
         position: relative;
      }
      .navbar a {
         margin: 0 15px;
         text-decoration: none;
         color: rgb(254, 252, 252);
         font-size: 20px;
         transition: color 0.3s ease;
      }
      .navbar a:hover {
         color: rgb(220, 220, 220);
```

```
        }
        .container {
            padding: 100px 20px;
            text-align: center;
            z-index: 1;
            position: relative;
            color: white;
        }
        h1 {
            font-size: 48px;
            margin-bottom: 20px;
        }
        p {
            font-size: 24px;
            margin-bottom: 20px;
        }
        .quotes {
            margin-top: 50px;
        }
        .quote {
            font-style: arial;
            font-size: 20px;
            margin-bottom: 10px;
        }
    </style>
</head>
<body>
    <div class="background"></div>
    <div class="overlay"></div>
    <div class="navbar">
        <a href="home.html">Home</a>
        <a href="about.html">About</a>
        <a href="order.html">Order</a>
        <a href="contact.html">Contact</a>
    </div>
    <div class="container">
        <h1>Welcome to Sony</h1>
        <p>Experience the best technology for your needs.</p>

    </div>
</body>
</html>


ABOUT.HTML

<!DOCTYPE html>
<html>
<head>
    <title>About</title>
```

```
<style>
  body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background-image: url('bg1.jpg');
    background-size: cover;
    background-repeat: no-repeat;
    color: rgb(13, 13, 13);
    display: flex;
    flex-direction: column;
    justify-content: space-between;
    min-height: 100vh;
  }
  .container {
    padding: 50px;
    text-align: center;
    background-color: rgba(255, 255, 255, 0.8);
    margin: 20px auto;
    border-radius: 10px;
    max-width: 900px;
  }
  h1 {
    font-size: 36px;
    margin-bottom: 20px;
  }
  p {
    font-size: 20px;
    margin-bottom: 20px;
  }
  .images-container {
    display: flex;
    flex-wrap: wrap;
    justify-content: center;
    margin: 20px 0;
    background-color: rgba(255, 255, 255, 0.8);
    padding: 20px;
    border-radius: 10px;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
  }
  .image-box {
    width: 220px;
    height: 220px;
    margin: 10px;
    background-color: transparent;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
    border-radius: 10px;
    overflow: hidden;
    transition: transform 0.3s;
  }
```

```css
.image-box img {
    width: 100%;
    height: 100%;
    object-fit: cover;
}
.image-box:hover {
    transform: scale(1.05);
}
.slideshow-container {
    max-width: 100%;
    position: relative;
    margin: auto;
    overflow: hidden;
    border-radius: 10px;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
    height: 400px;
}
.slideshow-container img {
    width: 100%;
    height: 100%;
    object-fit: cover;
    transition: opacity 1s ease-in-out;
}

.slideshow-container img {
    display: none;
}
.slideshow-container img:first-child {
    display: block;
}
.fade {
    animation-name: fade;
    animation-duration: 3s;
}
@keyframes fade {
    from {
        opacity: 0.4;
    }
    to {
        opacity: 1;
    }
}
    </style>
</head>
<body>
    <div class="container">
        <h1> SONY</h1>
        <p>Welcome to Sony! Sony offers a wide range of high-quality TVs with
cutting-edge technology and innovative features.</p>
```

```
        <p>Sony TVs are known for their stunning picture quality, vibrant colors, and
immersive viewing experience. Whether you're watching movies, gaming, or enjoying
your favorite shows, Sony TVs deliver exceptional performance.</p>
        <p>With advanced features like 4K resolution, HDR support, smart TV
capabilities, and sleek designs, Sony continues to set the standard for home
entertainment.</p>
    </div>
    <div class="slideshow-container">
        <img class="fade" src="pic1.jpeg" alt="Image 1">
        <img class="fade" src="pic2.jpeg" alt="Image 2">
        <img class="fade" src="pic3.jpeg" alt="Image 3">
        <!-- Add more images here -->
    </div>
    <div class="images-container">
        <div class="image-box">
            <img src="pic4.jpeg" alt="Image 1">
        </div>
        <div class="image-box">
            <img src="pic5.jpeg" alt="Image 2">
        </div>
        <div class="image-box">
            <img src="pic6.jpeg" alt="Image 3">
        </div>
        <div class="image-box">
            <img src="pic7.jpeg" alt="Image 4">
        </div>
        <div class="image-box">
            <img src="pic8.jpeg" alt="Image 5">
        </div>
        <div class="image-box">
            <img src="pic9.jpeg" alt="Image 6">
        </div>
        <div class="image-box">
            <img src="pic10.jpeg" alt="Image 7">
        </div>
        <div class="image-box">
            <img src="pic11.jpeg" alt="Image 8">
        </div>
    </div>
    <script>
        // JavaScript for the slideshow
        let slideIndex = 0;
        const images = document.querySelectorAll('.fade');

        function showSlides() {
            for (let i = 0; i < images.length; i++) {
                images[i].style.display = 'none';
            }
            slideIndex++;
            if (slideIndex > images.length) {
```

```
            slideIndex = 1;
          }
          images[slideIndex - 1].style.display = 'block';
          setTimeout(showSlides, 3000);
        }

      showSlides();
    </script>
</body>
</html>
```

ORDER.HTML

```
<!DOCTYPE html>
<html>
<head>
    <title>TV Management System</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-image: url('bg1.jpg');
            margin: 0;
            padding: 0;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
        }
        form {
            background-image: url('bg1.jpg');
            padding: 30px;
            border-radius: 10px;
            box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
            max-width: 600px;
            width: 100%;
        }
        h1 {
            text-align: center;
            color: #fcfbfb;
            font-size: 28px;
            margin-bottom: 20px;
        }
        label {
            display: block;
            margin-bottom: 8px;
            font-weight: bold;
            font-size: 14px;
```

```css
            color: #fcfcfc;
        }
        input[type="text"],
        input[type="number"],
        input[type="date"],
        select {
            width: 100%;
            padding: 10px;
            margin-bottom: 20px;
            border: 1px solid #ccc;
            border-radius: 5px;
            font-size: 16px;
            box-sizing: border-box;
            transition: border-color 0.3s;
        }
        input[type="text"]:focus,
        input[type="number"]:focus,
        input[type="date"]:focus,
        select:focus {
            border-color: #007bff;
            outline: none;
        }
        input[type="submit"],
        button {
            padding: 12px 20px;
            background-color: #007bff;
            color: #fff;
            border: none;
            border-radius: 5px;
            font-size: 16px;
            cursor: pointer;
            width: 48%;
            margin: 1%;
            box-sizing: border-box;
            transition: background-color 0.3s;
        }
        input[type="submit"]:hover,
        button:hover {
            background-color: #0056b3;
        }
        .button-container {
            display: flex;
            justify-content: space-between;
            margin-bottom: 10px;
        }
    </style>
</head>
<body>
    <form id="form" method="post">
        <h1>ORDER</h1>
```

```html
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required>

        <label for="email">Email:</label>
        <input type="text" id="email" name="email" required>

        <label for="phone">Phone Number:</label>
        <input type="text" id="phone" name="phone" required>

        <label for="city">City:</label>
        <input type="text" id="city" name="city" required>

        <label for="model">Model:</label>
        <input type="text" id="model" name="model" required>

        <label for="tv_option">TV Options:</label>
        <select id="tv_option" name="tv_option" required>
           <option value="OLED">OLED</option>
           <option value="CURVE">CURVE</option>
           <option value="UHD">UHD</option>
        </select>

        <label for="warranty_start_date">Warranty Start Date:</label>
        <input type="date" id="warranty_start_date" name="warranty_start_date"
required>

        <label for="warranty_end_date">Warranty End Date:</label>
        <input type="date" id="warranty_end_date" name="warranty_end_date"
required>

      <div class="button-container">
         <button type="button" onclick="setAction('/insert')">SUBMIT</button>
         <button type="button" onclick="setAction('/delete')">DELETE</button>
      </div>
      <div class="button-container">
         <button type="button" onclick="setAction('/update')">UPDATE</button>
         <button type="button" onclick="setAction('/display')">VIEW</button>
      </div>
   </form>

   <script>
      function setAction(path) {
         const form = document.getElementById('form');
         form.setAttribute('action', 'http://localhost:8099' + path);
         form.setAttribute('method', 'POST');
         form.submit();
      }
   </script>
</body>
</html>
```

ORDER.HTML(JS CODE - ORDER.HTML)

```
const http = require('http');
const url = require('url');
const querystring = require('querystring');
const { MongoClient } = require('mongodb');

const uri = 'mongodb://localhost:27017';
const client = new MongoClient(uri);

async function connectDB() {
   try {
      await client.connect();
      console.log('Connected to MongoDB');
   } catch (error) {
      console.error('Error connecting to MongoDB:', error);
   }
}

connectDB();

async function insertTV(req, res, params) {
   const { name, email, phone, city, model, tv_option, warranty_start_date,
warranty_end_date } = params;

   try {
      const database = client.db('tvmanagement');
      const collection = database.collection('tvs');

      const tv = {
         name,
         email,
         phone,
         city,
         model,
         tv_option,
         warranty_start_date: new Date(warranty_start_date),
         warranty_end_date: new Date(warranty_end_date),
      };

      const result = await collection.insertOne(tv);
      console.log(`${result.insertedCount} TV inserted`);

      res.writeHead(200, { 'Content-Type': 'text/plain' });
      res.end('TV added successfully');
   } catch (error) {
      console.error('Error inserting TV:', error);
```

```javascript
        res.writeHead(500, { 'Content-Type': 'text/plain' });
        res.end('Internal Server Error');
    }
}

async function deleteTV(req, res, params) {
    const { name, model } = params;
    try {
        const database = client.db('tvmanagement');
        const collection = database.collection('tvs');

        const filter = { name, model };

        const result = await collection.deleteOne(filter);
        console.log(`${result.deletedCount} TV deleted`);

        if (result.deletedCount === 1) {
            res.writeHead(200, { 'Content-Type': 'text/plain' });
            res.end('TV deleted successfully');
        } else {
            res.writeHead(404, { 'Content-Type': 'text/plain' });
            res.end('TV not found');
        }
    } catch (error) {
        console.error('Error deleting TV:', error);
        res.writeHead(500, { 'Content-Type': 'text/plain' });
        res.end('Internal Server Error');
    }
}

async function updateTV(req, res, params) {
    const { name, model, warranty_start_date, warranty_end_date } = params;

    try {
        const database = client.db('tvmanagement');
        const collection = database.collection('tvs');

        const filter = { name, model };

        const updateDoc = {
            $set: {
                warranty_start_date: new Date(warranty_start_date),
                warranty_end_date: new Date(warranty_end_date)
            }
        };

        const result = await collection.updateOne(filter, updateDoc);
        console.log(`${result.modifiedCount} TV updated`);

        if (result.modifiedCount === 1) {
```

```javascript
        res.writeHead(200, { 'Content-Type': 'text/plain' });
        res.end('TV updated successfully');
      } else {
        res.writeHead(404, { 'Content-Type': 'text/plain' });
        res.end('TV not found');
      }
    } catch (error) {
      console.error('Error updating TV:', error);
      res.writeHead(500, { 'Content-Type': 'text/plain' });
      res.end('Internal Server Error');
    }
}

async function displayTV(req, res, params) {
    const { name, model } = params;
    try {
      const database = client.db('tvmanagement');
      const collection = database.collection('tvs');
+*
*      const filter = { name, model };
      const tvs = await collection.find(filter).toArray();

      if (tvs.length > 0) {
        const formatDate = (date) => {
          const d = new Date(date);
          const year = d.getFullYear();
          const month = ('0' + (d.getMonth() + 1)).slice(-2);
          const day = ('0' + (d.getDate())).slice(-2);
          return `${year}-${month}-${day}`;
        };

        let htmlResponse = `
          <!DOCTYPE html>
          <html>
          <head>
            <title>TV Details</title>
            <style>
              body {
                font-family: Arial, sans-serif;
                background-color: #f0f8ff;
                display: flex;
                justify-content: center;
                align-items: center;
                height: 100vh;
                margin: 0;
              }
              .container {
                max-width: 600px;
                width: 100%;
                background-color: #ffffff;
```

```
                box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
                border-radius: 8px;
                overflow: hidden;
                padding: 20px;
            }
            .header {
                background-color: #007bff;
                color: white;
                padding: 20px;
                text-align: center;
                font-size: 24px;
            }
            .tv-info {
                margin: 10px 0;
                font-size: 18px;
            }
            .tv-info span {
                font-weight: bold;
            }
        </style>
    </head>
    <body>
        <div class="container">
            <div class="header">TV Details</div>`;

    tvs.forEach(tv => {
      htmlResponse += `
            <div class="tv-info"><span>Name:</span> ${tv.name}</div>
            <div class="tv-info"><span>Email:</span> ${tv.email}</div>
            <div class="tv-info"><span>Phone:</span> ${tv.phone}</div>
            <div class="tv-info"><span>City:</span> ${tv.city}</div>
            <div class="tv-info"><span>Model:</span> ${tv.model}</div>
            <div class="tv-info"><span>TV Option:</span> ${tv.tv_option}</div>
            <div class="tv-info"><span>Warranty Start Date:</span>
${formatDate(tv.warranty_start_date)}</div>
            <div class="tv-info"><span>Warranty End Date:</span>
${formatDate(tv.warranty_end_date)}</div>
            <hr>`;
    });

    htmlResponse += `
            </div>
        </body>
        </html>
    `;
    res.writeHead(200, { 'Content-Type': 'text/html' });
    res.end(htmlResponse);
  } else {
    res.writeHead(404, { 'Content-Type': 'text/plain' });
    res.end('TV not found');
```

```
        }
      } catch (error) {
        console.error('Error displaying TV:', error);
        res.writeHead(500, { 'Content-Type': 'text/plain' });
        res.end('Internal Server Error');
      }
    }

    async function onRequest(req, res) {
      const path = url.parse(req.url).pathname;
      console.log('Request for ' + path + ' received');

      let body = '';
      req.on('data', chunk => {
        body += chunk.toString();
      });
      req.on('end', () => {
        const params = querystring.parse(body);

        if (path === '/insert') {
          insertTV(req, res, params);
        } else if (path === '/delete') {
          deleteTV(req, res, params);
        } else if (path === '/update') {
          updateTV(req, res, params);
        } else if (path === '/display') {
          displayTV(req, res, params);
        } else {
          res.writeHead(404, { 'Content-Type': 'text/plain' });
          res.end('Invalid endpoint');
        }
      });
    }

    http.createServer(onRequest).listen(8099, () => {
      console.log('Server is running on port 8099');
    });
```

CONTACT.HTML

```
<!DOCTYPE html>
<html>
<head>
    <title>Contact</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            margin: 0;
            padding: 0;
```

```
            font-size: 40px;
            background-image: url('bg1.jpg');
            background-size: cover;
            background-repeat: no-repeat;
            color: rgb(247, 244, 244);
            display: flex;
            flex-direction: column;
            justify-content: space-between;
            min-height: 100vh;
        }
        .container {
            padding: 50px;
            text-align: center;
        }
        .social-links {
            margin-top: 20px;
        }
        .social-links a {
            display: inline-block;
            margin: 0 10px;
            text-decoration: none;
            color: blue;
            font-weight: bold;
        }
        .contact-numbers {
            margin-top: 20px;
        }
        .contact-numbers p {
            margin: 5px 0;
        }
    </style>
</head>
<body>
    <div class="container">
        <h1>Contact Us</h1>
        <p>You can reach us at contact@sony.com or call us at:</p>
        <div class="contact-numbers">
            <p>Main Office: (123) 456-7890</p>
            <p>Sales Department: (123) 555-1234</p>
            <p>Technical Support: (123) 789-4567</p>
        </div>
        <div class="social-links">
            <a href="https://www.instagram.com/sony" target="_blank">Instagram</a>
            <a href="https://www.facebook.com/sony" target="_blank">Facebook</a>
        </div>
    </div>
</body>
</html>
```
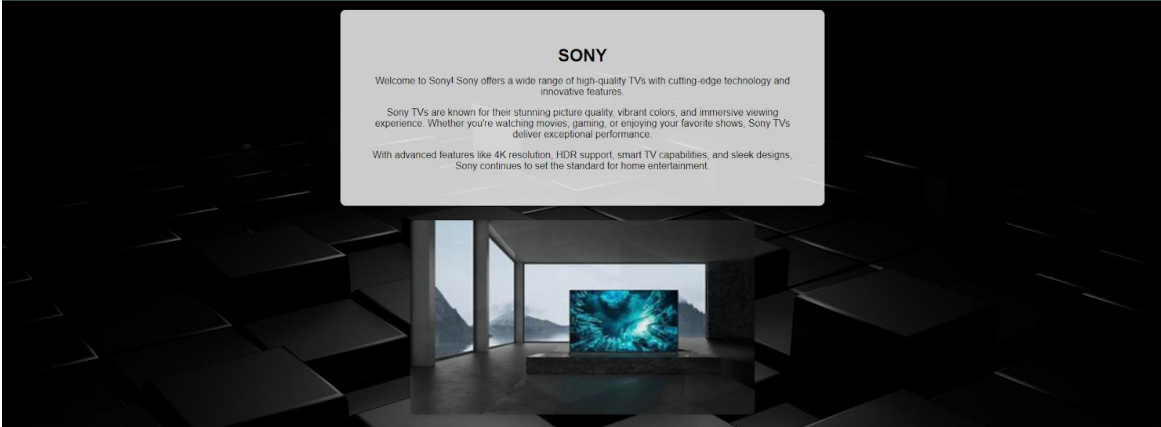
SCREEN SHOT

TV Details

Name: ROHITH
Email: rohiths.22itr@kongu.edu
Phone: 9344733072
City: Erode
Model: 4k BRAVIA
TV Option: CURVE
Warranty Start Date: 2024-06-03
Warranty End Date: 2024-06-06

Contact Us

You can reach us at contact@sony.com or call us at:

Main Office: (123) 456-7890
Sales Department: (123) 555-1234
Technical Support: (123) 789-4567

Instagram Facebook