"C:\Users\kevin\ecommerce-app\server.js"

const express = require('express');

const path = require('path');

const bodyParser = require('body-parser');

const mysql = require('mysql2');

const app = express();

const PORT = 3000;

// Middleware setup

app.use(bodyParser.json());

app.use(bodyParser.urlencoded({ extended: true }));

// Serve static files

app.use(express.static(path.join(\_\_dirname, 'public')));

// MySQL connection

const connection = mysql.createConnection({

  host: 'localhost',

  user: 'root',

  password: 'kevinsql123@',

  database: 'cars\_used\_inventory'

});

// Import routes

const searchRoute = require('./routes/search');

const emiDetailsRoute = require('./routes/emiDetails');

const carDetailsRoute = require('./routes/carDetails');

const bookTestDriveRoute = require('./routes/bookTestDrive');

// Use routes

app.use('/search', searchRoute);

app.use('/emi-details', emiDetailsRoute);

app.use('/car-details', carDetailsRoute);

app.use('/book-testdrive', bookTestDriveRoute);

// Start server

app.listen(PORT, () => {

  console.log(`Server running at http://localhost:${PORT}`);

});

C:\Users\kevin\ecommerce-app\public\search.html  
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Search Cars</title>

    <link rel="stylesheet" href="styles.css"> <!-- Link to external CSS -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

</head>

<body>

    <div class="search-container">

        <h1>Search for Used Cars</h1>

        <form id="searchForm" action="/search" method="POST">

            <div class="form-group">

                <label for="modelName">Model Name:</label>

                <input type="text" id="modelName" name="modelName" class="input-field">

            </div>

            <div class="form-group">

                <label for="make">Make:</label>

                <input type="text" id="make" name="make" class="input-field">

            </div>

            <div class="form-group">

                <label for="year">Year (minimum):</label>

                <input type="number" id="year" name="year" min="1886" max="2024" class="input-field">

            </div>

            <div class="form-group">

                <label for="kms">Maximum KMs Driven:</label>

                <input type="number" id="kms" name="kms" class="input-field">

            </div>

            <div class="form-group">

                <label for="mileage">Minimum Mileage (km/l):</label>

                <input type="number" id="mileage" name="mileage" step="0.01" class="input-field">

            </div>

            <button type="submit" class="btn-search">Search</button>

        </form>

    </div>

    <div id="resultsContainer" style="display: none;"></div>

    <script>

        $(document).ready(function() {

            $('#searchForm').on('submit', function(e) {

                e.preventDefault();

                $.ajax({

                    url: '/search',

                    method: 'POST',

                    data: $(this).serialize(),

                    success: function(data) {

                        displayResults(data);

                    },

                    error: function(err) {

                        console.error('Error:', err);

                    }

                });

            });

            function displayResults(data) {

                let html = '<h2>Search Results</h2>';

                html += '<table class="results-table">';

                html += '<tr><th>Select</th><th>Showroom</th><th>Car ID</th><th>Model Name</th><th>Make</th><th>Year</th><th>KMs Driven</th><th>Mileage</th></tr>';

                if (data.length === 0) {

                    html += '<tr><td colspan="8">No cars found matching the criteria.</td></tr>';

                } else {

                    data.forEach(car => {

                        html += `<tr>

                            <td><input type="checkbox" name="car\_ids[]" value="${car.car\_id}"></td>

                            <td>${car.showroom}</td>

                            <td>${car.car\_id}</td>

                            <td>${car.modelName}</td>

                            <td>${car.make}</td>

                            <td>${car.year}</td>

                            <td>${car.kms}</td>

                            <td>${car.mileage}</td>

                        </tr>`;

                    });

                }

                html += '</table>';

                html += '<button id="showDetails" class="btn-details">Show Details</button>';

                $('#resultsContainer').html(html).show();

                $('#showDetails').on('click', function() {

                    let selectedCars = $('input[name="car\_ids[]"]:checked').map(function() {

                        return this.value;

                    }).get();

                    if (selectedCars.length > 0) {

                        window.location.href = 'emiDetails.html?car\_ids=' + selectedCars.join(',');

                    } else {

                        alert('Please select at least one car.');

                    }

                });

            }

        });

    </script>

</body>

</html>

"C:\Users\kevin\ecommerce-app\routes\search.js"  
  
const express = require('express');

const path = require('path');

const mysql = require('mysql2');

// Create router instance

const router = express.Router();

// MySQL connection setup

const connection = mysql.createConnection({

    host: 'localhost',

    user: 'root',

    password: 'kevinsql123@',

    database: 'cars\_used\_inventory'

});

// Ensure the MySQL connection is working

connection.connect((err) => {

    if (err) {

        console.error('Database connection failed:', err);

    } else {

        console.log('Connected to MySQL database');

    }

});

// GET route to serve the search form (for browser access)

router.get('/', (req, res) => {

    res.sendFile(path.join(\_\_dirname, '../public/search.html'));

});

// POST route to handle form submissions and perform searches

router.post('/', (req, res) => {

    const { modelName, make, year, kms, mileage } = req.body;

    // Construct SQL query based on provided search criteria

    let query = `SELECT \* FROM car\_specs WHERE 1=1`; // 1=1 makes it easy to add AND conditions dynamically

    if (modelName) query += ` AND modelName LIKE ?`;

    if (make) query += ` AND make LIKE ?`;

    if (year) query += ` AND year >= ?`;

    if (kms) query += ` AND kms <= ?`;

    if (mileage) query += ` AND mileage >= ?`;

    // Prepare query parameters to avoid SQL injection

    const params = [

        modelName ? `%${modelName}%` : null,

        make ? `%${make}%` : null,

        year || null,

        kms || null,

        mileage || null

    ].filter(param => param !== null); // Remove any null values

    // Execute the query

    connection.query(query, params, (error, results) => {

        if (error) {

            console.error('Database error:', error);

            return res.status(500).json({ error: 'Database error' });

        }

        res.json(results); // Send results as JSON response

    });

});

// Export the router to be used in other files

module.exports = router;

"C:\Users\kevin\ecommerce-app\routes\carDetails.js"

const express = require('express');

const router = express.Router();

const mysql = require('mysql2');

// MySQL connection

const connection = mysql.createConnection({

    host: 'localhost',

    user: 'root',

    password: 'kevinsql123@',

    database: 'cars\_used\_inventory'

});

// Route to fetch car details for selected cars

router.post('/', (req, res) => {

    const carIds = req.body.car\_ids || [];

    if (carIds.length === 0) return res.status(400).json({ error: 'No cars selected' });

    const carIdsStr = carIds.join(',');

    const query = `

        SELECT s.car\_id, s.modelName, s.make, s.year, s.kms, s.mileage,

               si.status, si.delivery\_date, si.price, si.advance\_amt, si.emi\_av

        FROM car\_specs s

        JOIN sales\_info si ON s.car\_id = si.car\_id

        WHERE s.car\_id IN (${carIdsStr})

    `;

    connection.query(query, (error, results) => {

        if (error) {

            console.error('Database error:', error);

            return res.status(500).json({ error: 'Database error' });

        }

        res.json(results);

    });

});

module.exports = router;

"C:\Users\kevin\ecommerce-app\public\carDetails.html"  
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>EMI Details</title>

    <link rel="stylesheet" href="styles.css"> <!-- Link to external CSS for styling -->

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

</head>

<body>

    <div class="emi-container">

        <h1>EMI Details for Selected Cars</h1>

        <div id="emiDetailsContainer"></div>

    </div>

    <script>

        // Fetch URL parameters (car\_ids)

        function getUrlParams() {

            const params = {};

            window.location.search.substring(1).split("&").forEach(param => {

                const [key, value] = param.split("=");

                params[key] = decodeURIComponent(value);

            });

            return params;

        }

        // Function to fetch and display EMI details

        function fetchEmiDetails(carIds) {

            console.log("Sending car IDs to server:", carIds);  // Log car IDs being sent to the backend

            // Send POST request to '/emi-details'

            $.post('/emi-details', { car\_ids: carIds }, function(data) {

                console.log("Received EMI details from server:", data);  // Log the received data from backend

                displayEmiDetails(data);

            }).fail(function(err) {

                console.error('Error fetching EMI details:', err);  // Log the error message if request fails

                $('#emiDetailsContainer').html('<p>Error fetching EMI details. Please try again.</p>');

            });

        }

        // Function to display EMI details in a table

        function displayEmiDetails(data) {

            let html = '<h2>EMI Details</h2>';

            html += '<table border="1" class="emi-table">';

            html += '<tr><th>Car ID</th><th>Model Name</th><th>Make</th><th>Year</th><th>EMI Available</th><th>Interest Rate (%)</th><th>Monthly Payment</th><th>Duration (Months)</th><th>Price</th><th>Status</th><th>Delivery Date</th><th>Advance Amount</th></tr>';

            if (data.length === 0) {

                html += '<tr><td colspan="12">No EMI details available for the selected cars.</td></tr>';

            } else {

                data.forEach(car => {

                    html += `<tr>

                        <td>${car.car\_id}</td>

                        <td>${car.modelName}</td>

                        <td>${car.make}</td>

                        <td>${car.year}</td>

                        <td>${car.emi\_av === 'Yes' ? 'Yes' : 'No'}</td>

                        <td>${car.interest || 'N/A'}</td>

                        <td>${car.monthly || 'N/A'}</td>

                        <td>${car.duration || 'N/A'}</td>

                        <td>${car.price}</td>

                        <td>${car.status}</td>

                        <td>${car.delivery\_date}</td>

                        <td>${car.advance\_amt}</td>

                    </tr>`;

                });

            }

            html += '</table>';

            $('#emiDetailsContainer').html(html);

        }

        // Get selected car IDs from URL and fetch their EMI details

        const params = getUrlParams();

        const selectedCarIds = params.car\_ids ? params.car\_ids.split(',') : [];

        console.log("Selected car IDs from URL:", selectedCarIds);  // Log the car IDs extracted from the URL

        if (selectedCarIds.length > 0) {

            fetchEmiDetails(selectedCarIds); // Fetch EMI details when the page loads

        } else {

            $('#emiDetailsContainer').html('<p>No cars selected. Please go back and select cars to view EMI details.</p>');

        }

    </script>

</body>

</html>

"C:\Users\kevin\ecommerce-app\routes\emiDetails.js"  
  
  
const express = require('express');

const router = express.Router();

const mysql = require('mysql2');

// MySQL connection

const connection = mysql.createConnection({

    host: 'localhost',

    user: 'root',

    password: 'kevinsql123@',

    database: 'cars\_used\_inventory'

});

router.post('/', (req, res) => {

    const carIds = req.body.car\_ids || [];

    // Log the car IDs to ensure the frontend is sending them

    console.log("Received car IDs from frontend:", carIds);

    // Check if any car IDs were provided

    if (carIds.length === 0) {

        console.error("No cars selected");

        return res.status(400).json({ error: 'No cars selected' });

    }

    // Format car IDs for SQL query

    const carIdsStr = carIds.map(id => `'${id}'`).join(',');

    // SQL query to fetch EMI details

    const query = `

        SELECT s.car\_id, s.modelName, s.make, s.year, si.emi\_av,

               e.interest, e.monthly, e.duration, si.price, si.status, si.delivery\_date, si.advance\_amt

        FROM car\_specs s

        JOIN sales\_info si ON s.car\_id = si.car\_id

        LEFT JOIN emi\_details e ON s.car\_id = e.car\_id

        WHERE s.car\_id IN (${carIdsStr})

    `;

    console.log("Executing SQL query:", query);

    // Execute the query

    connection.query(query, (error, results) => {

        if (error) {

            console.error("Database error:", error);

            return res.status(500).json({ error: 'Database error' });

        }

        console.log("Query results:", results);

        // Return results or a 404 if no details are found

        if (results.length > 0) {

            res.json(results);

        } else {

            console.warn("No EMI details found for the selected cars.");

            res.status(404).json({ error: 'No EMI details found for the selected cars' });

        }

    });

});

module.exports = router;

"C:\Users\kevin\ecommerce-app\public\emiDetails.html"

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>EMI Details</title>

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

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

</head>

<body>

    <div class="emi-container">

        <h1>EMI Details for Selected Cars</h1>

        <div id="emiDetailsContainer"></div>

    </div>

    <script>

        function getUrlParams() {

            const params = {};

            window.location.search.substring(1).split("&").forEach(param => {

                const [key, value] = param.split("=");

                params[key] = decodeURIComponent(value);

            });

            return params;

        }

        function fetchEmiDetails(carIds) {

            $.post('/emi-details', { car\_ids: carIds }, function(data) {

                displayEmiDetails(data);

            }).fail(function(err) {

                console.error('Error fetching EMI details:', err);

                $('#emiDetailsContainer').html('<p>Error fetching EMI details. Please try again.</p>');

            });

        }

        // Updated displayEmiDetails to add the "Book Test Drive" button

        function displayEmiDetails(data) {

    let html = '<h2>EMI Details</h2>';

    html += '<table border="1" class="emi-table">';

    html += '<tr><th>Car ID</th><th>Model Name</th><th>Make</th><th>Year</th><th>EMI Available</th><th>Price</th><th>Status</th><th>Delivery Date</th><th>Advance Amount</th><th>Action</th></tr>';

    if (data.length === 0) {

        html += '<tr><td colspan="10">No EMI details available for the selected cars.</td></tr>';

    } else {

        data.forEach(car => {

            const isAvailable = car.status?.trim().toLowerCase() === 'available';

            html += `<tr>

                <td>${car.car\_id}</td>

                <td>${car.modelName}</td>

                <td>${car.make}</td>

                <td>${car.year}</td>

                <td>${car.emi\_av === 'Yes' ? 'Yes' : 'No'}</td>

                <td>${car.price}</td>

                <td>${car.status}</td>

                <td>${car.delivery\_date}</td>

                <td>${car.advance\_amt}</td>

                <td>

                    ${isAvailable ? `<button class="btn-book" data-car-id="${car.car\_id}">Book Test Drive</button>` : '<span>N/A</span>'}

                </td>

            </tr>`;

        });

    }

    html += '</table>';

    $('#emiDetailsContainer').html(html);

    // Add event listener to "Book Test Drive" buttons

    $('.btn-book').on('click', function() {

        const carId = $(this).data('car-id');

        bookTestDrive(carId);

    });

}

        function bookTestDrive(carId) {

            $.post('/book-testdrive', { car\_id: carId }, function(response) {

                alert(response.message);

                window.location.href = 'bookingConfirmation.html';

            }).fail(function(err) {

                console.error('Error booking test drive:', err);

                alert('Failed to book the test drive. Please try again.');

            });

        }

        // Get selected car IDs from URL and fetch their EMI details

        const params = getUrlParams();

        const selectedCarIds = params.car\_ids ? params.car\_ids.split(',') : [];

        if (selectedCarIds.length > 0) {

            fetchEmiDetails(selectedCarIds);

        } else {

            $('#emiDetailsContainer').html('<p>No cars selected. Please go back and select cars to view EMI details.</p>');

        }

    </script>

</body>

</html>

C:\Users\kevin\ecommerce-app\public\bookinConfirmation.html  
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>EMI Details</title>

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

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

</head>

<body>

    <div class="emi-container">

        <h1>EMI Details for Selected Cars</h1>

        <div id="emiDetailsContainer"></div>

    </div>

    <script>

        function getUrlParams() {

            const params = {};

            window.location.search.substring(1).split("&").forEach(param => {

                const [key, value] = param.split("=");

                params[key] = decodeURIComponent(value);

            });

            return params;

        }

        function fetchEmiDetails(carIds) {

            $.post('/emi-details', { car\_ids: carIds }, function(data) {

                displayEmiDetails(data);

            }).fail(function(err) {

                console.error('Error fetching EMI details:', err);

                $('#emiDetailsContainer').html('<p>Error fetching EMI details. Please try again.</p>');

            });

        }

        // Updated displayEmiDetails to add the "Book Test Drive" button

        function displayEmiDetails(data) {

    let html = '<h2>EMI Details</h2>';

    html += '<table border="1" class="emi-table">';

    html += '<tr><th>Car ID</th><th>Model Name</th><th>Make</th><th>Year</th><th>EMI Available</th><th>Price</th><th>Status</th><th>Delivery Date</th><th>Advance Amount</th><th>Action</th></tr>';

    if (data.length === 0) {

        html += '<tr><td colspan="10">No EMI details available for the selected cars.</td></tr>';

    } else {

        data.forEach(car => {

            const isAvailable = car.status?.trim().toLowerCase() === 'available';

            html += `<tr>

                <td>${car.car\_id}</td>

                <td>${car.modelName}</td>

                <td>${car.make}</td>

                <td>${car.year}</td>

                <td>${car.emi\_av === 'Yes' ? 'Yes' : 'No'}</td>

                <td>${car.price}</td>

                <td>${car.status}</td>

                <td>${car.delivery\_date}</td>

                <td>${car.advance\_amt}</td>

                <td>

                    ${isAvailable ? `<button class="btn-book" data-car-id="${car.car\_id}">Book Test Drive</button>` : '<span>N/A</span>'}

                </td>

            </tr>`;

        });

    }

    html += '</table>';

    $('#emiDetailsContainer').html(html);

    // Add event listener to "Book Test Drive" buttons

    $('.btn-book').on('click', function() {

        const carId = $(this).data('car-id');

        bookTestDrive(carId);

    });

}

        function bookTestDrive(carId) {

            $.post('/book-testdrive', { car\_id: carId }, function(response) {

                alert(response.message);

                window.location.href = 'bookingConfirmation.html';

            }).fail(function(err) {

                console.error('Error booking test drive:', err);

                alert('Failed to book the test drive. Please try again.');

            });

        }

        // Get selected car IDs from URL and fetch their EMI details

        const params = getUrlParams();

        const selectedCarIds = params.car\_ids ? params.car\_ids.split(',') : [];

        if (selectedCarIds.length > 0) {

            fetchEmiDetails(selectedCarIds);

        } else {

            $('#emiDetailsContainer').html('<p>No cars selected. Please go back and select cars to view EMI details.</p>');

        }

    </script>

</body>

</html>