

Innovation and Extra Functionality

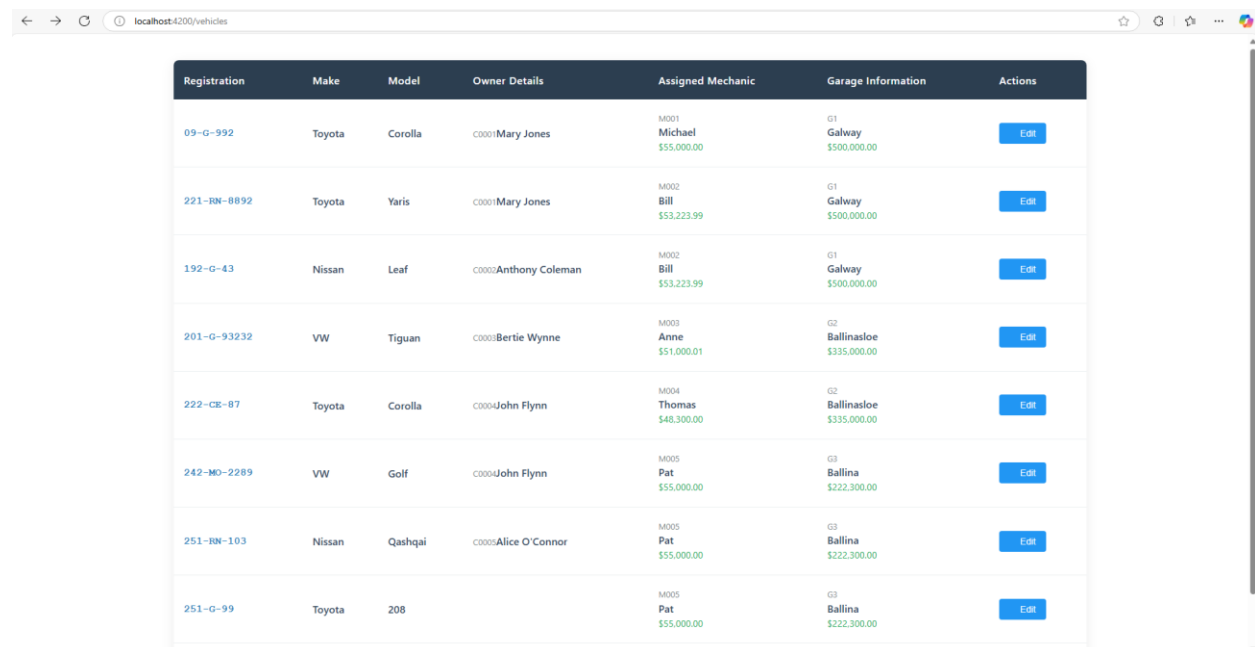
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Feature1: Custom Styling (CSS Design Enhancements)

To enhance the user interface and improve user experience, I added custom CSS to style the application. This includes:

- Custom layout and colour schemes for better visual aesthetics.



The screenshot shows a web browser window with the address bar displaying 'localhost:4200/vehicles'. The main content is a table with a dark blue header and light blue rows. The table has seven columns: Registration, Make, Model, Owner Details, Assigned Mechanic, Garage Information, and Actions. Each row represents a vehicle with its details and an 'Edit' button in the Actions column.

Registration	Make	Model	Owner Details	Assigned Mechanic	Garage Information	Actions
09-G-992	Toyota	Corolla	C0001Mary Jones	M001 Michael \$55,000.00	G1 Galway \$500,000.00	Edit
221-RN-8892	Toyota	Yaris	C0001Mary Jones	M002 Bill \$53,223.99	G1 Galway \$500,000.00	Edit
192-G-43	Nissan	Leaf	C0002Anthony Coleman	M002 Bill \$53,223.99	G1 Galway \$500,000.00	Edit
201-G-93232	VW	Tiguan	C0003Bertie Wynne	M003 Anne \$51,000.01	G2 Ballinasloe \$335,000.00	Edit
222-CE-87	Toyota	Corolla	C0004John Flynn	M004 Thomas \$48,300.00	G2 Ballinasloe \$335,000.00	Edit
242-MD-2289	VW	Golf	C0004John Flynn	M005 Pat \$55,000.00	G3 Ballina \$222,300.00	Edit
251-RN-103	Nissan	Qashqai	C0005Alice O'Connor	M005 Pat \$55,000.00	G3 Ballina \$222,300.00	Edit
251-G-99	Toyota	208		M005 Pat \$55,000.00	G3 Ballina \$222,300.00	Edit

- Styled input fields, buttons, and forms for consistency and accessibility.

← ↻ localhost:4200/vehicleDetails/192-G-43 ☆ ⚙ ☆ ...

Vehicle Registration: 192-G-43

Vehicle Information

Registration Number

192-G-43

Manufacturer

Nissan

Model

Leaf

Service Information

Assigned Mechanic ID

M002

Current value: M002

Update Mechanic

Mechanic Name

Bill

Service Location

Gahway

- Visual feedback on submission success or failure (e.g., color-coded messages).

Create New Vehicle

Registration Number*

Enter registration number

Registration number is required

Make*

Enter vehicle make

Model*

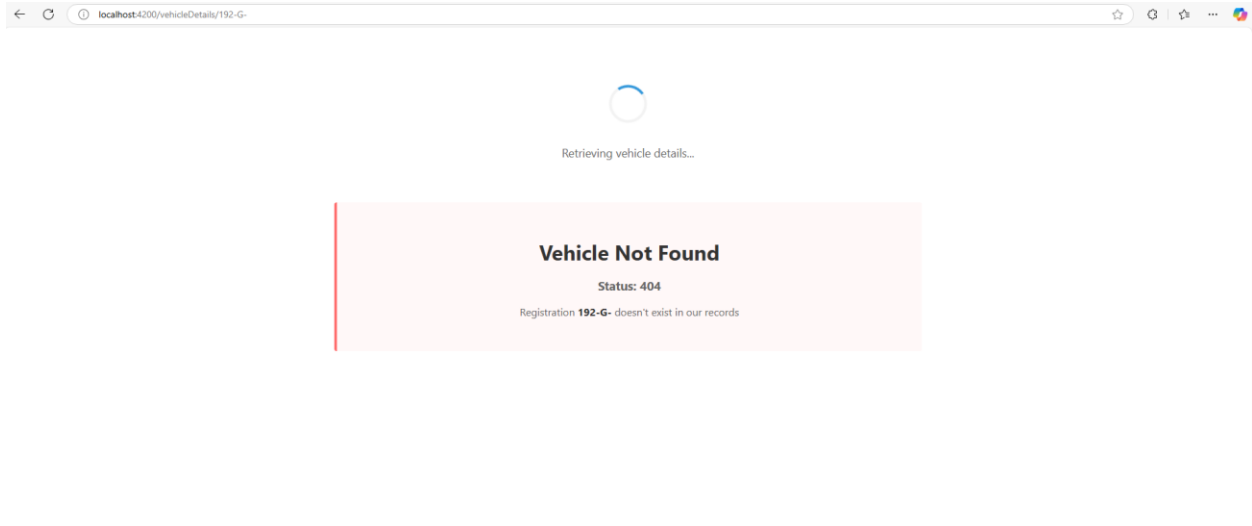
Enter vehicle model

Model is required.

Cancel

Create Vehicle

- Animation for Non-existent Registration



These changes make the application more visually appealing and user-friendly compared to the base requirements.

Feature2: Create Functionality

Although not explicitly required, a full **create functionality** was implemented using Angular's Reactive Forms and a backend service. This includes:

- Form validation to ensure all required fields are properly filled.
- Submitting new vehicle data via the `GarageService`.
- User feedback on successful or failed submissions.
- Auto-redirect to the vehicle list after a successful creation.

To create a new vehicle entry:

1. Navigate to the `/create` route.
2. Fill in all required fields:
 - a. **Registration Number (reg)**: e.g., 251-G-123
 - b. **Make**: e.g., Toyota
 - c. **Model**: e.g., 208
3. Click the **Submit** button.
4. If successful:

- a. A confirmation message will be shown.
 - b. The form resets.
- 5. If there's an error:
 - a. An error message is shown detailing the issue.
 - b. The user can correct the inputs and try again.

This feature increases the completeness of the application and makes it fully interactive for CRUD operations.

Create New Vehicle

Registration Number*

Make*

Model*

Cancel

Create Vehicle

Vehicle created successfully! Redirecting to vehicle list...