Day 5 - Testing and Backend Refinement

Car Rental E-Commerce

Objective:

Test all features of the Car Rental platform to ensure proper functionality, error handling, and backend integration.

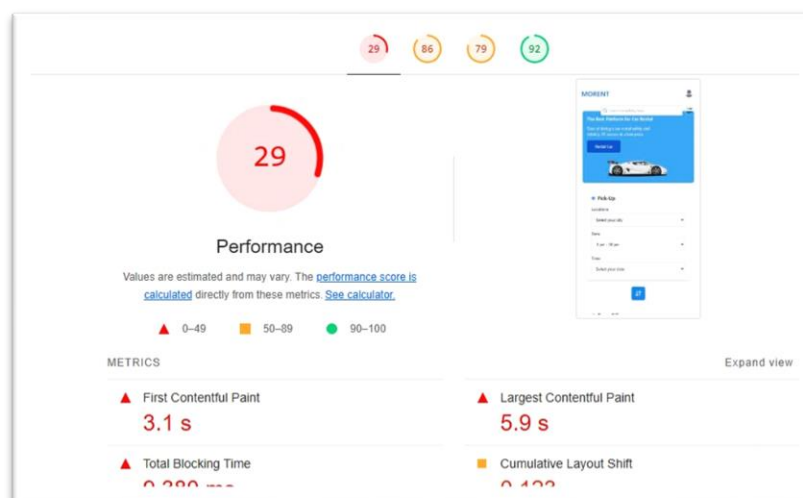**Features Verified:**

1. Car Listings

- Cars are fetched correctly from the API and displayed on the homepage.
- All details like name, price, and image load without issues.
- Responsiveness verified on desktop and mobile.

2. Car Detail Pages

- Each car opens a dynamic detail page when clicking the "Details" button.
- Correct car information appears with no errors

Performance Optimization
Lighthouse Report

Test ID case	Test Case Description	Expected Result	Actual Result	Status	Remarks
TC001	Validate Homepage rendering	Check Homepage renders correctly with Hero and Footer	Homepage rendered as expected	passed	Core functionality verified
TC002	Test Dynamic Car details	The details page loads with accurate car info	Details page is working as expected	passed	Dynamic routing functional
TC003	Test Responsiveness on Mobile	The layout adapts to smaller screens	Responsive layout verified Passed	passed	Works on mobile screens
TC004	Verify Tailwind CSS Integration	Tailwind classes applied correctly	Tailwind functional	passed	Verified styling
TC005	Car Display Test	All cars should be displayed correctly on the homepage	All cars are displayed correctly	passed	Showing Correctly
TC006	Image Loading Test	All car images should load correctly	All car images loaded without issues	passed	Working Properly
TC007	Responsiveness Test	The site should adjust properly on various devices	The site adjusted properly on all tested devices	passed	Displayed Properly