

DAY 5 - TESTING, ERROR HANDLING, AND BACKEND INTEGRATION REFINEMENT

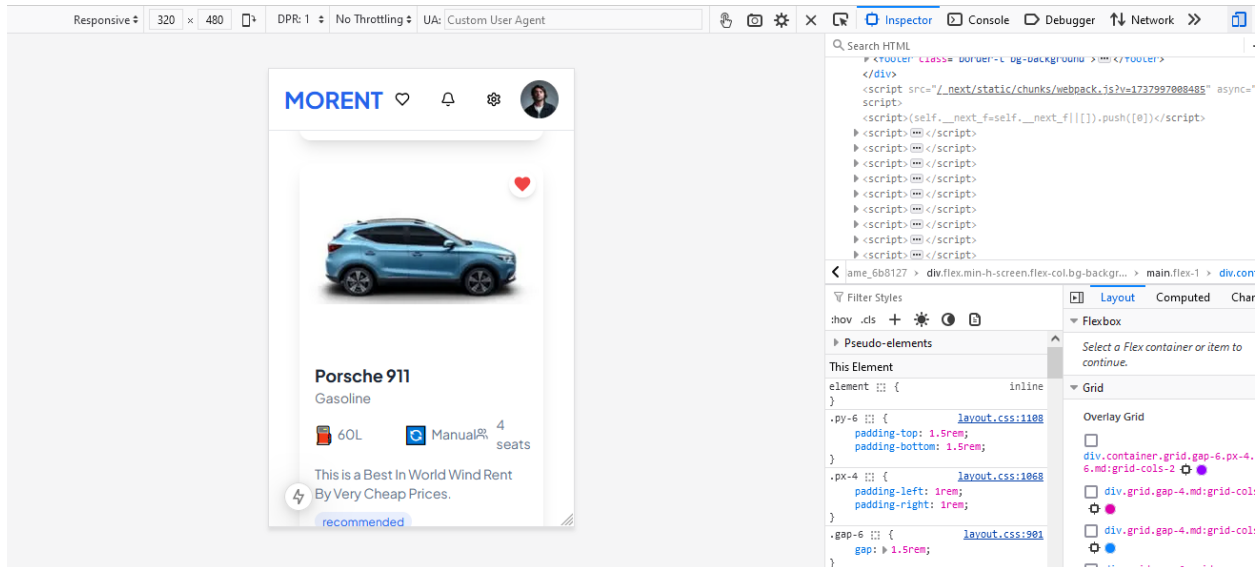
Rental E-commerce Website

Activates :

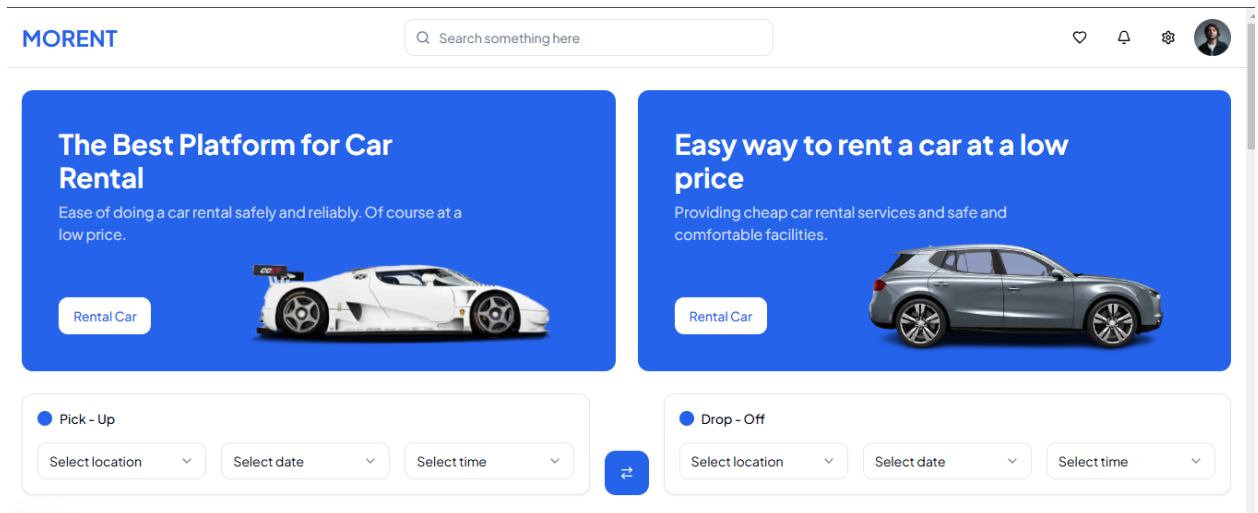
Focused on testing, error handling, and backend integration refinement. Conducted functional, performance, security, and cross-browser testing. Implemented error handling with fallback UI and optimized performance using Lighthouse. Ensured responsiveness across devices and documented all testing results in a CSV report.

- My Rental e-Commerce Website Include Search Bar , Sanity Data Fetch and Display And Many Cars.
- My Website Category show Product by Sanity To Your Provide Sanity Data My Category Filter and Rent Now Button Click To Car Detail.
- My Website Car Detail Page Me Include Add To Cart, Review , Car Detail , Car Tag SEO Support and Car Images Option.
- Sanity Data New Data Create and Publish So, This Data Show Home Page Product Listing And Category Sow.
- Add To Cart Option Include and Item Add To Cart To Product Add To Cart Successful Cart.
- API Work Perfect And Sanity Import For Successful Import.

My Website Responsive




Computer Screen




Sanity Car


[View All](#)




Audi A6
Hybrid
50L Auto 5 seats
This is a Best In World Wind Rent By Very Cheap Prices.
recommended
\$120.00/day
Rent Now



Porsche 911
Gasoline
60L Manual 4 seats
This is a Best In World Wind Rent By Very Cheap Prices.
recommended
\$200.00/day
Rent Now



Chevrolet Camaro
Gasoline
70L Auto 4 seats
This is a Best In World Wind Rent By Very Cheap Prices.
recommended
\$110.00/day
Rent Now



Nissan Altima
Hybrid
50L Manual 5 seats
This is a Best In World Wind Rent By Very Cheap Prices.
recommended
\$90.00/day
Rent Now

ERROR HANDLING, AND BACKEND INTEGRATION REFINEMENT

```
const [car, setCar] = useState<Car | null>(null);
const [loading, setLoading] = useState(true);
const [cart, setCart] = useState<Car[]>([]); // Cart state to store selected cars
```

```
    { carId }
  )
  .then((data) => {
    setCar(data);
    setLoading(false);
  })
  .catch((error) => {
    console.error("Error fetching car details:", error);
    setLoading(false);
  });
}, [carId]);

if (loading) return <p>Loading car details ... </p>;
if (!car) return <p>Car not found!</p>;
```

Add To Cart

CAPACITY

☐ 2 Person (10)


☐ 4 Person (14)

☐ 6 Person (12)

☐ 8 or More (16)




PRICE

\$0 Max. \$100.00



Transmission: Manual

Seating Capacity: 7 seats

\$150.00/day

~~\$200.00~~

Add to Cart

Your Cart

BMW X5

+ - Remove

Add To Cart Code

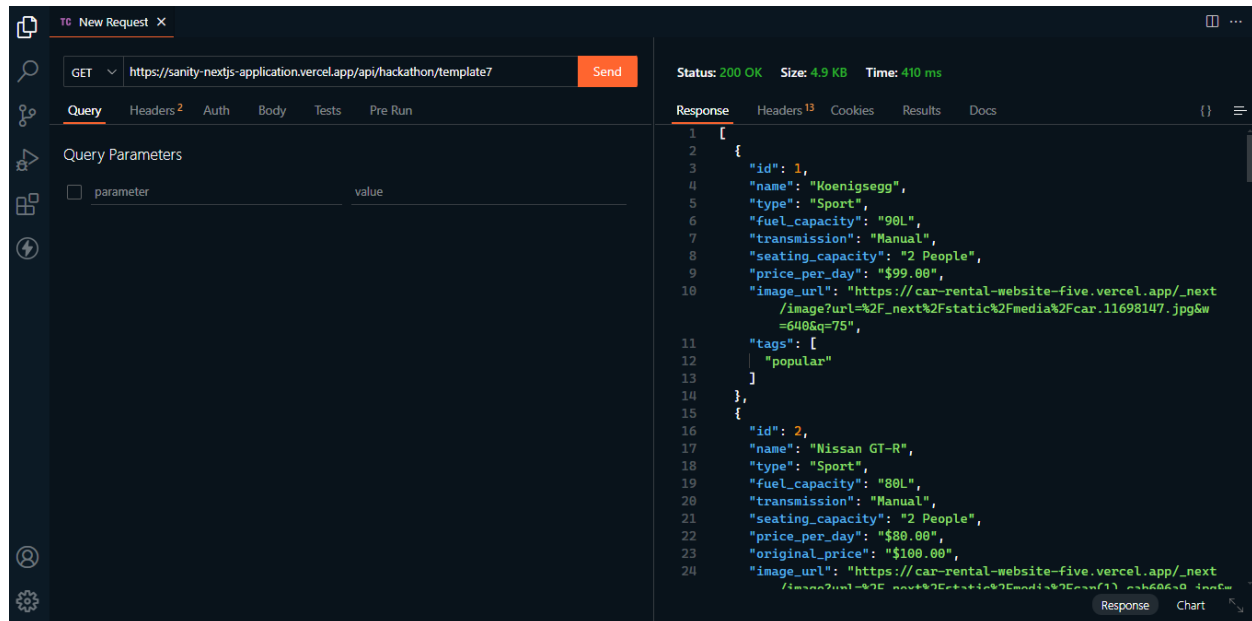
```

EXPLORER
PROJECT-4
  .next
  node_modules
  public
  scripts
  src
    app
      car-detail
      components
        page.tsx
      cart
        page.tsx
      category \ components
        car.tsx
        CarCard.tsx
        footer.tsx
        Header.tsx
        LocationPicker.tsx
        page.tsx
        Sidebar.tsx
    display
    fonts
    homepage
    studio
    faviconico
    globals.css
    layout.tsx
  OUTLINE
  TIMELINE

page.tsx U X
src > app > cart > page.tsx > Page
1 // page.tsx
2 "use client";
3
4 import React, { useState } from "react";
5
6 export default function Page() {
7   const [showPopup, setShowPopup] = useState(false);
8   const [orders, setOrders] = useState<number>(0);
9   const [quantity, setQuantity] = useState(1);
10
11   const handleBookNow = () => {
12     setShowPopup(true);
13   };
14
15   const handleIncrease = () => setQuantity(quantity + 1);
16   const handleDecrease = () => quantity > 1 && setQuantity(quantity - 1);
17   const handleRemove = () => setQuantity(0);
18   const handleProcessed = () => {
19     alert("Your order successful confirm");
20     setShowPopup(false);
21     setOrders(orders + quantity);
22     setQuantity(1);
23   };
24
25   return (
26     <div className="p-4">
27       <button
28         onClick={handleBookNow}
29         className="px-4 py-2 bg-blue-500 text-white rounded"
30       >
31         Book Now
32       </button>

```

API Data Status Check

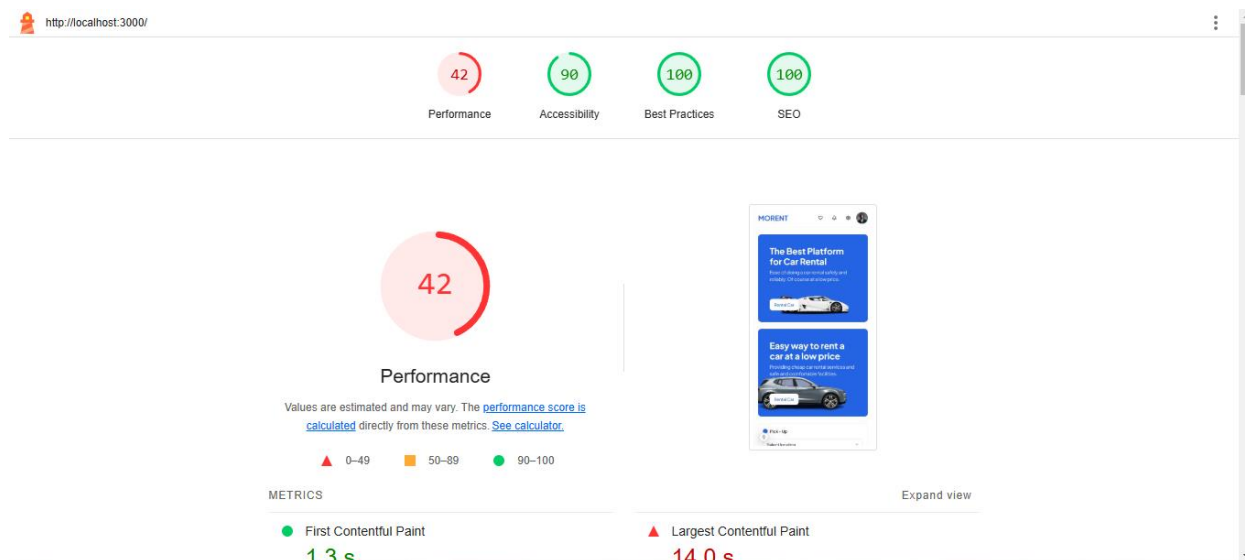


Testing Report

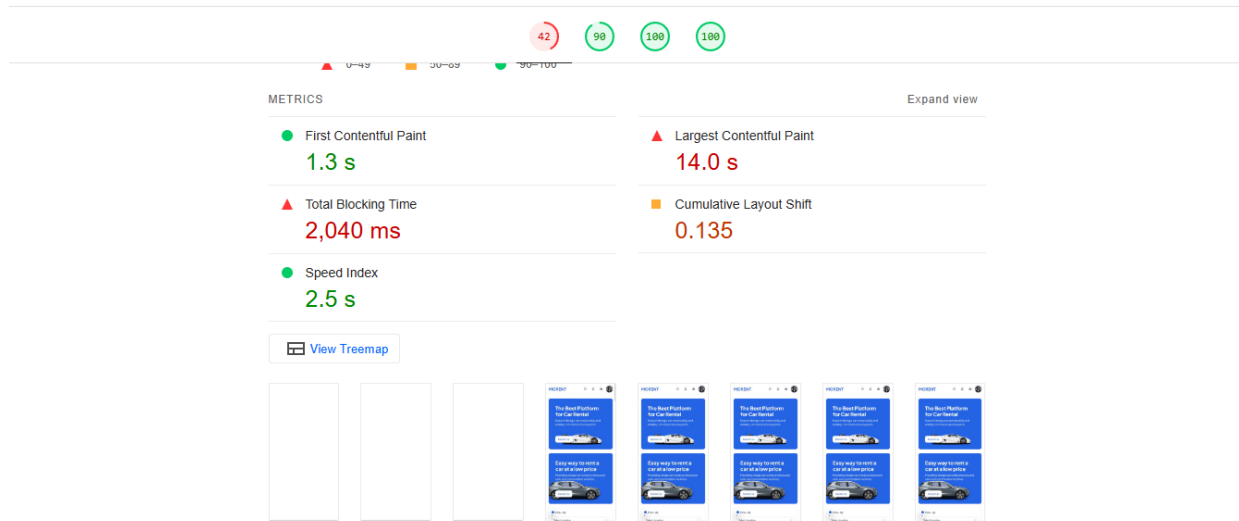
Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	High	-	No issues found

TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Passed	High	-	No issues found
TC003	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected	Passed	High	-	No issues found
TC004	Ensure responsiveness on mobile	Resize browser window > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Passed	High	-	Test successful No issues found

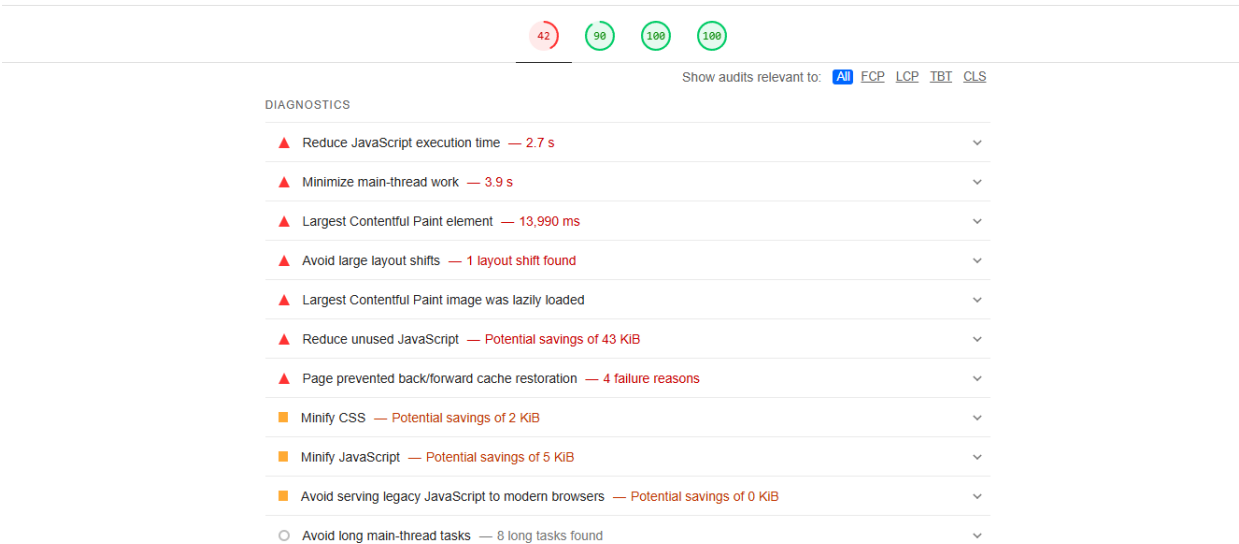
Light House Testing



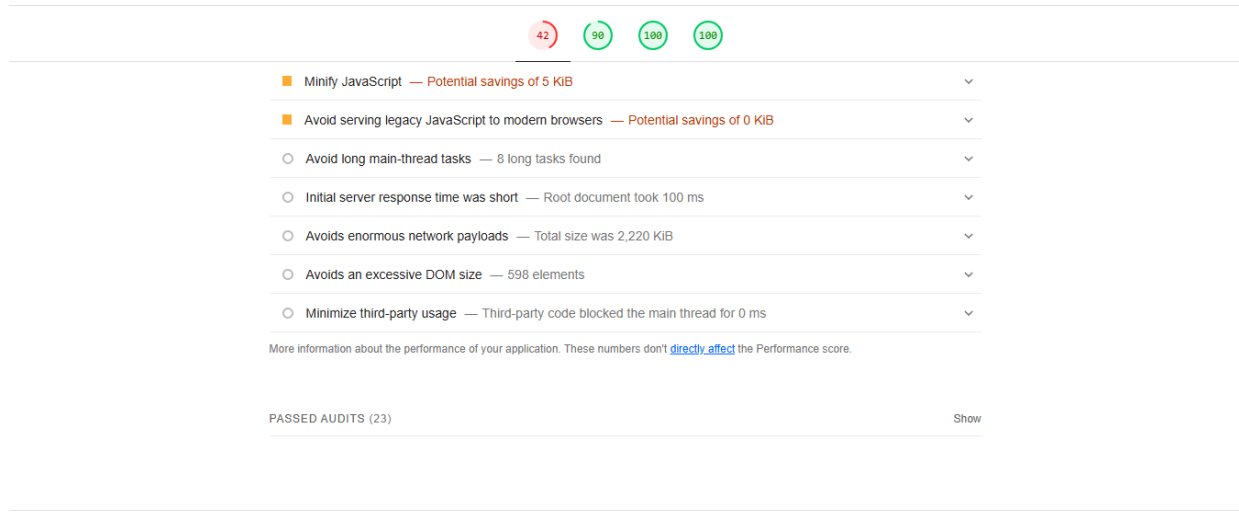
1



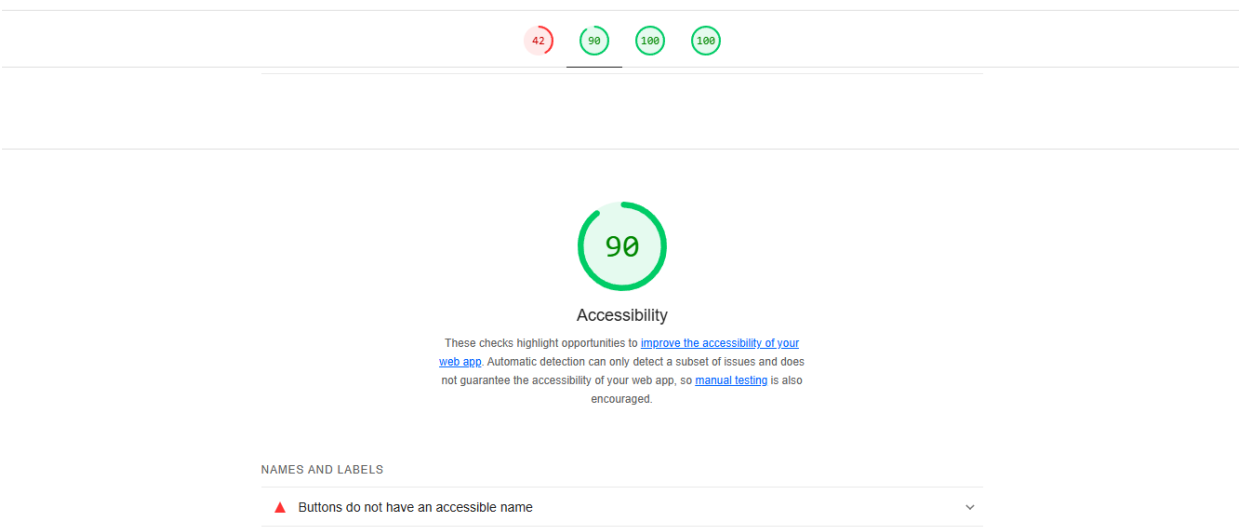
2



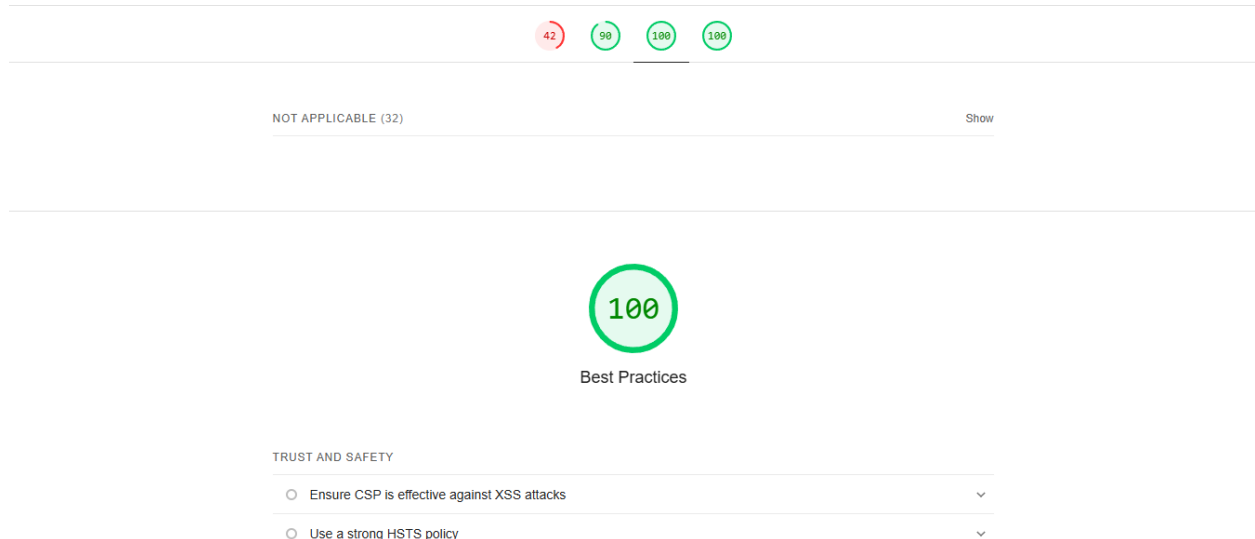
3



4



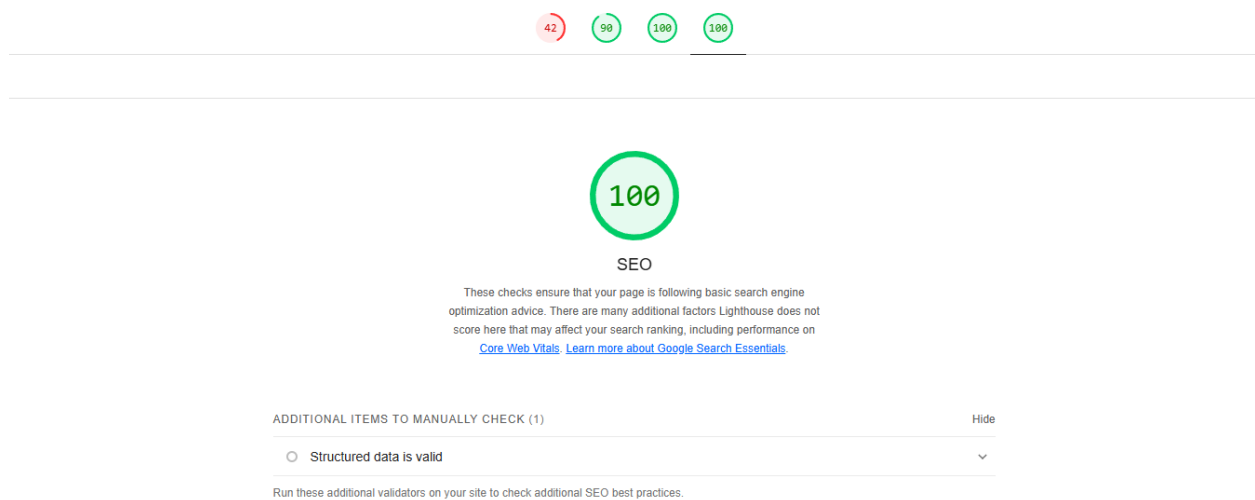
5



TRUST AND SAFETY

- Ensure CSP is effective against XSS attacks.
- Use a strong HSTS policy.
- Ensure proper origin isolation with COOP

6



Developer Resource

The screenshot shows a mobile app interface for 'MORENT' car rentals. The app displays a 'Sanity Car' and an 'Audi A6' with a price of \$120.00/day. The Chrome DevTools 'Developer Resources' panel is open, showing a table of network requests.

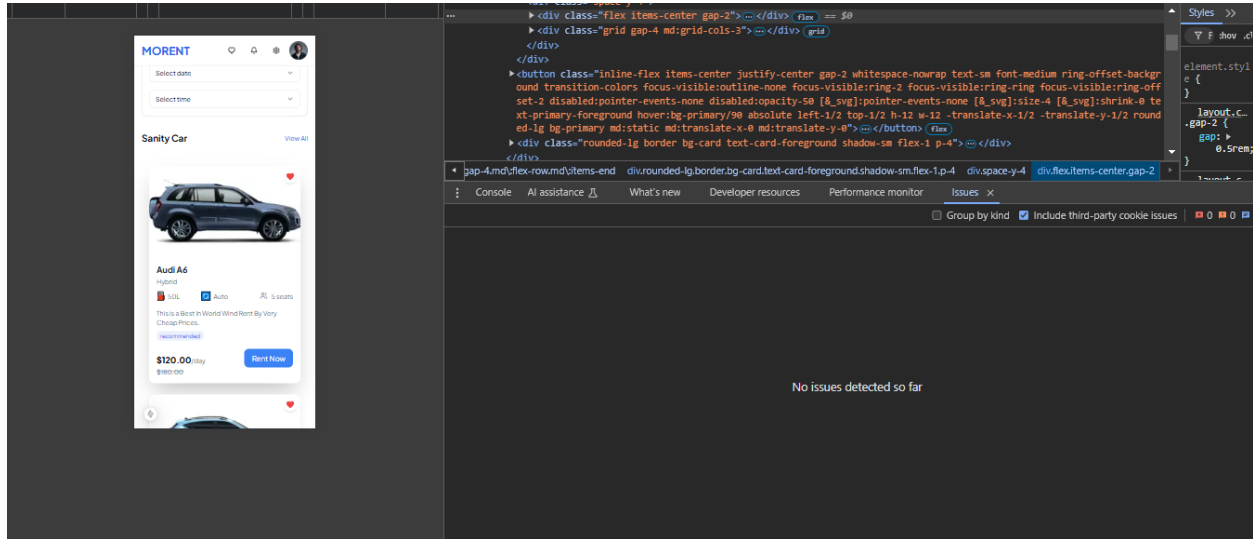
Status	URL	Initiator	Total Bytes	Error
success	/api/WQ9BhYj0uQ2kHtWApSvly8D63yZWNO2WQgmF2aMhdGvbyX		10 958	
success	/jsoncharset=utf-8base64,eyJ2ZkZaW9ujoi.CjmaWljoKGFwcC1wWMe		864	
success	/jsoncharset=utf-8base64,eyJ2ZkZaW9ujoi.CjmaWljoKGFwcC1wWMe		1 222	
success	/jsoncharset=utf-8base64,eyJ2ZkZaW9ujoi.CjmaWljoKGFwcC1wWMe		8 661	
success	/jsoncharset=utf-8base64,eyJ2ZkZaW9ujoi.CjmaWljoKGFwcC1wWMe		528	

Performance Monitor

The screenshot shows the same mobile app interface, but with the 'Performance Monitor' panel open. It displays various performance metrics over time.

Metric	Value
CPU usage	0.1%
JS heap size	17.4 MB
DOM Nodes	2,293
JS event listeners	
Documents	
Document Frames	
Layouts / sec	
Style recalcs / sec	

No Issues



Security

