

Day 1: LAYING THE FOUNDATION FOR YOUR MARKETPLACE JOURNEY.

STEP # 1

General E-commerce

PURPOSE:

General Ecommerce is all about selling products or services online. The main goal is to give customers a wide variety of products they can shop for from anywhere, at anytime. It makes shopping easy and convenient by allowing business to reach customers around the world.



Business Goal:-

What Problem does your marketplace aim to solve?

My ~~your~~ marketplace aims to solve the problem of making it easier for customers to find and purchase a wide variety of products from the comfort of their homes.

Target Audience:

My target Audience includes busy individuals such as Professionals, Students, and families, who need quick access to daily necessities. They required a reliable platform where they can get their everyday items conveniently and quickly.



Offered Products Or Services:

My Marketplace will offer a variety of products, including

- clothing: casual wear, formal wear, seasonal clothes etc.

Customers will be able to find all their daily needs in one place and have the convenience of purchasing these items online.

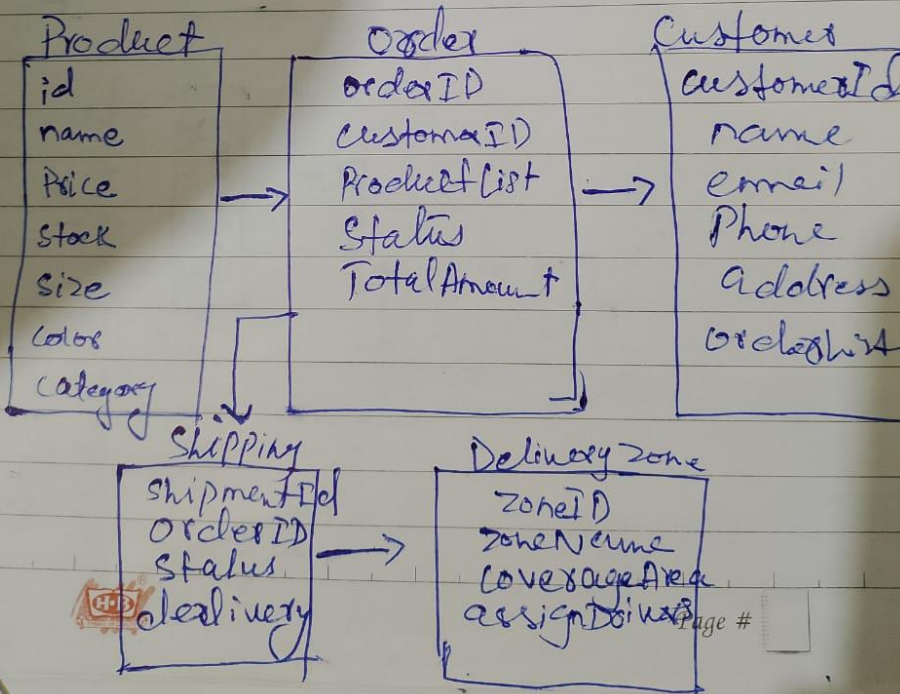
4) What will you set your market place apart?

Speed: The key feature of my marketplace will be speed. I will ensure fast delivery, especially for ~~grocery~~ ^{clothing} and daily essentials, within 1-2 days.



Affordability: My marketplace will offer competitive prices for clothing, ensuring that customers get style options at affordable rates.

STEP #3 Draw Schema:



Technical Requirement.

Date 20
M T W T F S S

Frontend

↓
HTML, CSS,
TypeScript
NextJS
ReactJS

↓
Database

↓
Sanity

Backend

↓
Sanity

API EndPoint

Date
M T W T F S S

/api/create-product
/api/add-cart
/api/order
/api/products
shipment

Data Schema

Product
id: string
name: string
price: string
stock: Number
size: Array
color: Array
category: Array

order
order-id: string
customer-id: string
product-id: string
status: enum
totalAmount

customer
id: string
name: string
email: string
address
bio: string

DAY 3 - API INTEGRATION AND DATA MIGRATION

Api Integration process

Adjustment made to schema

Migration Steps and tools used

```
added 923 packages, changed 1 package, and audited 1110 packages in 3m
```

```
149 packages are looking for funding
  run `npm fund` for details
```

```
1 moderate severity vulnerability
```

```
To address all issues, run:
  npm audit fix --force
```

```
Run `npm audit` for details.
```

```
added 16 packages, and audited 1126 packages in 11s
```

```
149 packages are looking for funding
  run `npm fund` for details
```

```
1 moderate severity vulnerability
```

```
To address all issues, run:
  npm audit fix --force
```

```
Run `npm audit` for details.
```

```
Success! Your Sanity configuration files has been added to this project
```

DA

Misbah Rafiq

day3Api

PLAN

Growth Trial

STATUS

Active

PROJECT ID

06p8ilu5

Getting started

Overview

Members

Studios

Datasets

Access

Activity

Usage

Plan

API

Settings

Webhooks

CORS origins

Tokens

GROQ-powered webhooks

HTTP callbacks to a given URL triggered by changes in your content lake

[Learn more about webhooks](#)

+ Create webhook

0 of 2 webhooks
(2 included in plan)

[Get more webhooks](#)

S

Misbah Rafiq

day3Api

30 days left in trial

M

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CORS origins

Hosts that can connect to the project API.

ORIGIN	CREDENTIALS	CREATED	
http://localhost:3000	Allowed	30 minutes	
http://localhost:3333	Allowed	34 minutes	

+ Add CORS origin

Getting started

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Tokens

NAME	PERMISSIONS	CREATED
day3Api	Developer	0 seconds

Copy the token below – this is your only chance to do so!

skMmyuZAJiI0pyr4SvwZArAlb6KAAZNcWUJXMudnEMXs9zXHmfZtWy4ICfaD7WJCDLMmxdhxA63xiM0WLqI66o4qRBUH8w1pewqjIn2ETocdnYmYAeahMqGJaDzB2F44FXar6uh1GLf6sbS9qtRawkHdk9EShNp9ypCi9FOYBVnCYZ3NaYtx

EXPLORER

HATHON...

src

app

components

hooks

lib

sanity

lib

TS client.ts

TS image.ts

TS live.ts

schemaTypes

TS car.ts

TS index.ts

TS env.ts

TS structure.ts

.env.local

.gitignore

components.json

TS next-env.d.ts

OUTLINE

TIMELINE

CardItems.jsx M

.env.local

TS car.ts

U X

src > sanity > schemaTypes > TS car.ts > default

1 export default {

2 name: 'car',

3 type: 'document',

4 title: 'Car',

5 fields: [

6 {

7 name: 'name',

8 type: 'string',

9 title: 'Car Name',

10 },

11 {

12 name: 'brand',

13 type: 'string',

14 title: 'Brand',

15 description: 'Brand of the car (e.g., Nissan, Tesla, etc.)',

16 },

17 {

18 name: 'type',

19 type: 'string',

20 title: 'Car Type',

21 description: 'Type of the car (e.g., Sport, Sedan, SUV, etc.)',

22 },

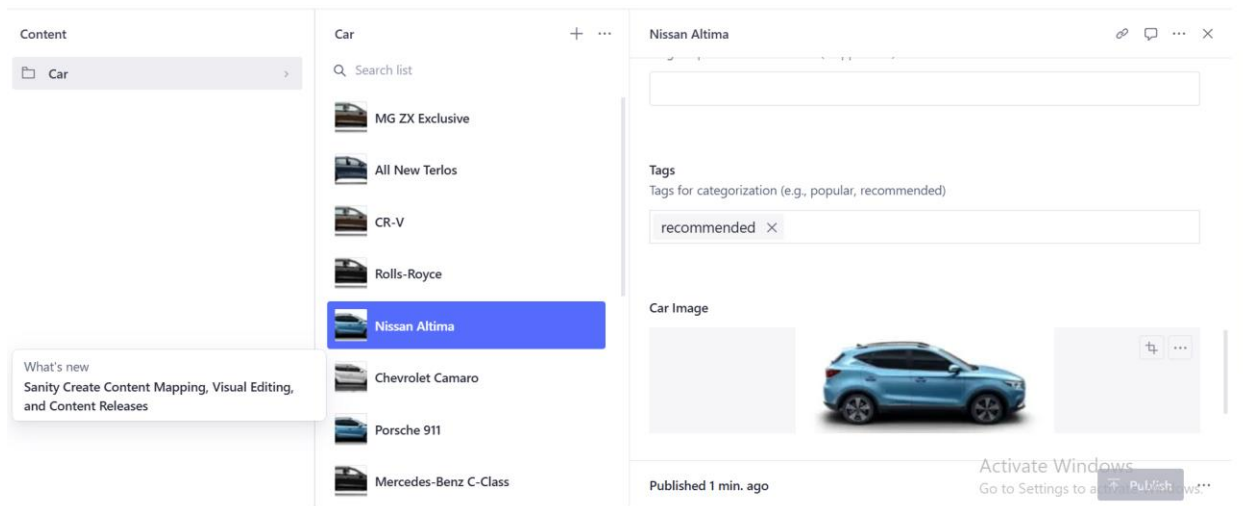
23 {

24 name: 'fuelCapacity',

Activate Windows

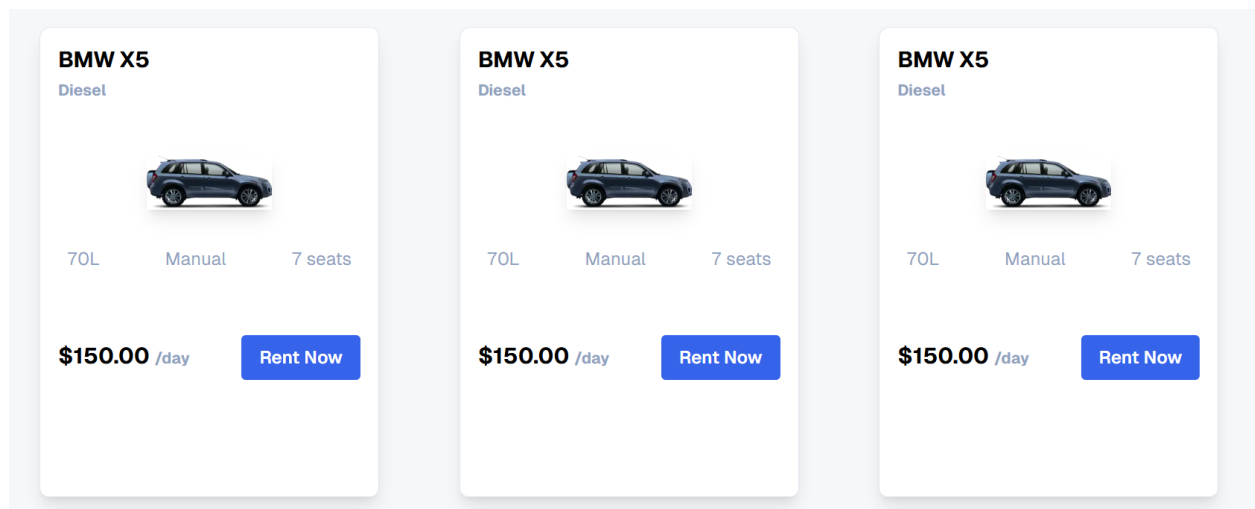
Go to Settings to activate Windows.

```
scripts > JS importTemplate7Data.mjs > client > projectId
4 import { fileURLToPath } from 'url';
5 import path from 'path';
6
7 // Load environment variables from .env.local
8 const __filename = fileURLToPath(import.meta.url);
9 const __dirname = path.dirname(__filename);
10 dotenv.config({ path: path.resolve(__dirname, '../.env.local') });
11
12 // Create Sanity client
13 const client = createClient({
14   projectId: process.env.NEXT_PUBLIC_SANITY_PROJECT_ID,
15   dataset: process.env.NEXT_PUBLIC_SANITY_DATASET,
16   useCdn: false,
17   token: process.env.SANITY_API_TOKEN,
18   apiVersion: '2021-08-31'
19 });
20
21 async function uploadImageToSanity(imageUrl) {
22   try {
23     console.log(`Uploading image: ${imageUrl}`);
24     const response = await axios.get(imageUrl, { responseType: 'arraybuffer' });
25     const buffer = Buffer.from(response.data);
26     const asset = await client.assets.upload('image', buffer, {
27       filename: imageUrl.split('/').pop()
28     });
29   } catch (error) {
30     console.error('Error uploading image:', error);
31   }
32 }
```



DAY 4 – Implementation

Product List:



```
public
  script
    JS importTemplate... U
  src
    app
      AdminDashbo...
      cars
      categories
        page.jsx U
      components
        Amount.jsx U
        CarCart.jsx U
        CardItems.jsx M
        Cards.jsx M
        CarsData.tsx U
        Categories.jsx U
        DashboardSid... U
        DetailCard.jsx U
        DetailParti... U
    > OUTLINE
    > TIMELINE
src > app > components > CarsData.tsx > CarsData > CarsData callback
36 original_price: string;
37 image_url: string; // Updated image URL type for simplicity
38 tags: string[];
39 }
40
41 // Main Component
42 const CarsData: React.FC = () => {
43   const [cars, setCars] = useState<Car[]>([]);
44
45   // Fetch Cars from Sanity
46   const fetchCars = async () => {
47     try {
48       const query = `*[ _type == "car" ] {
49         id,
50         name,
51         type,
52         fuel_capacity,
53         transmission,
54         seating_capacity,
55         price_per_day,
56         original_price,
57         "image_url": carImage.asset->url,
58         tags
59       }`;
60     } catch (error) {
61       console.log(error);
62     }
63   };
64   fetchCars();
65 }
```

Product Details:

Sports car with the best design and acceleration

Safety and comfort while driving a futuristic and elegant sports car



BMW X5

★★★★☆ 440+ Reviewer

NISMO has become the embodiment of Nissan's outstanding performance, inspired by the most unforgiving proving ground, the "race track".

Type Car	Sport	Capacity	7 Person
Steering	Manual	Gasoline	70L

\$150.00/ day
~~\$100.00~~

[Rent Now](#)

Activate Windows
Go to Settings to activate Windows.

```
10 <Card className="w-[410px] h-[500px] mt-8 mx-auto rounded-t-lg bg-white">
11   /* car images */
12
13   /* Heading Section car detail */
14   <div className="p-6">
15     <h1 className="text-2xl font-bold text-gray-800 leading-12 tracking-tight">
16       BMW X5
17     </h1>
18     /* Reviews Section */
19     <div className="flex items-center mt-2 space-x-2">
20       <Image src="/Review Star.png" alt="Review Stars" width={120} height={24} />
21       <span className="text-sm font-medium text-gray-500">440+ Reviewer</span>
22     </div>
23   </div>
24
25   <div className="p-6 text-gray-600">
26     <p className="text-base font-normal">
27       NISMO has become the embodiment of Nissan's outstanding performance, inspired
28       by the most unforgiving proving ground, the "race track".
29     </p>
30   </div>
```

Billing Info:

Billing Info

Please enter your billing info

Username

your name

Phone Number

Phone Number

Address

Address

Town/City

Town or City


Rental Info

Please enter your rental info

☐ Pick-up

Rental Summary

Prices may change depending on the length of the rental and the price of your rental car.



Nissan GT - R

★★★★☆ 440+ Reviewer

Subtotal	\$80.00
Tax	\$0

Apply promo code

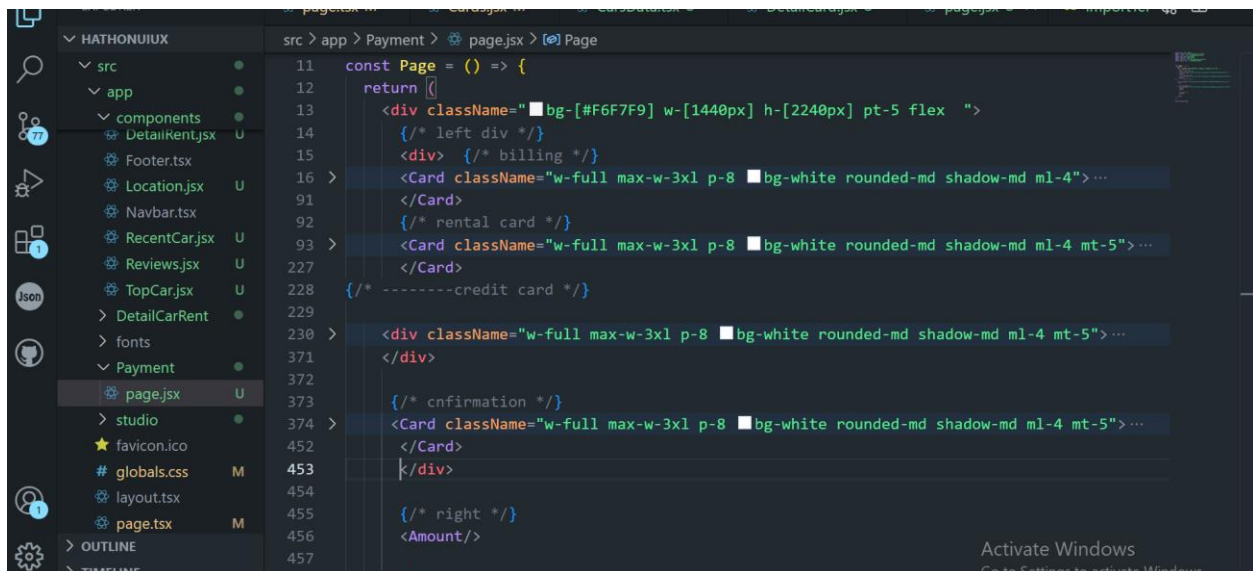
Apply Now

Total Rental Price

Overall price and includes rental discount.

\$80.00

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

1. Functional Testing:

Product Listing: Products are displayed correctly with accurate details.

Cart Operations: Add, update, and remove functions work as expected, with correct total calculations.

Dynamic Routing: Product detail pages load correctly, and navigation is smooth.

Testing Tools:

The screenshot displays the Postman interface for a new request. The request method is GET, and the URL is `https://sanity-nextjs-application.vercel.app/api/hackathon/template7`. The response status is 200 OK, with a response time of 1.15 s and a body size of 1.24 KB. The response body is a JSON array containing two car objects. The first object is for a Koenigsegg sports car with a fuel capacity of 90L, manual transmission, seating for 2 people, and a price of \$99.00 per day. The second object is partially visible.

```
1  [
2    {
3      "id": 1,
4      "name": "Koenigsegg",
5      "type": "Sport",
6      "fuel_capacity": "90L",
7      "transmission": "Manual",
8      "seating_capacity": "2 People",
9      "price_per_day": "$99.00",
10     "image_url": "https://car-rental-website-five.vercel.app/_next/image?url=%2F_next%2Fstatic%2Fmedia%2Fcar.11698147.jpg&w=640&q=75",
11     "tags": [
12       "popular"
13     ]
14   },
15   {
16     "id": 2,
```

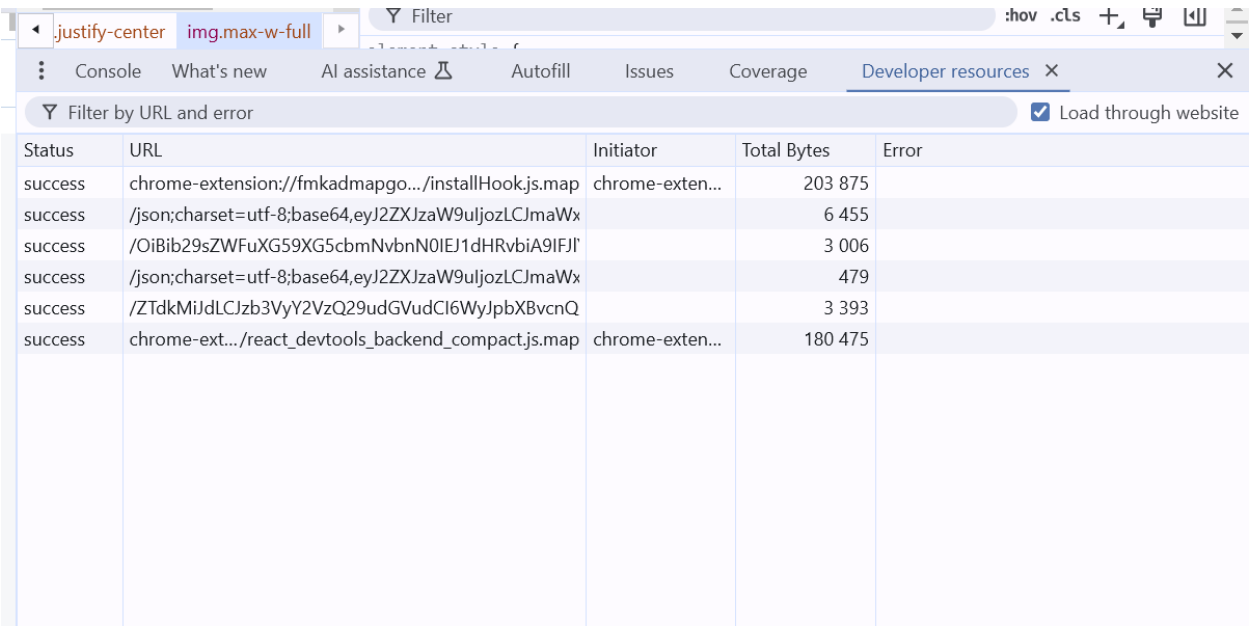
At the bottom of the interface, there is a watermark that says "Activate Windows Go to Settings to activate Windows."

Testing Report:

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result
2	TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly

3	TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message
4	TC003	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product
5	TC004	Ensure responsiveness on mobile	Resize browser window > Check layout	Layout adjusts properly to screen size

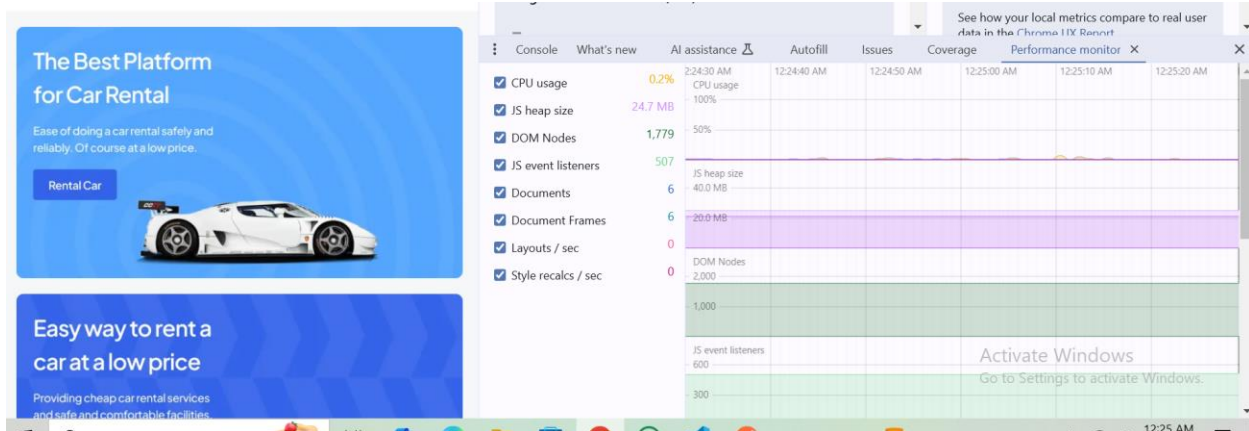
Developer Resources:



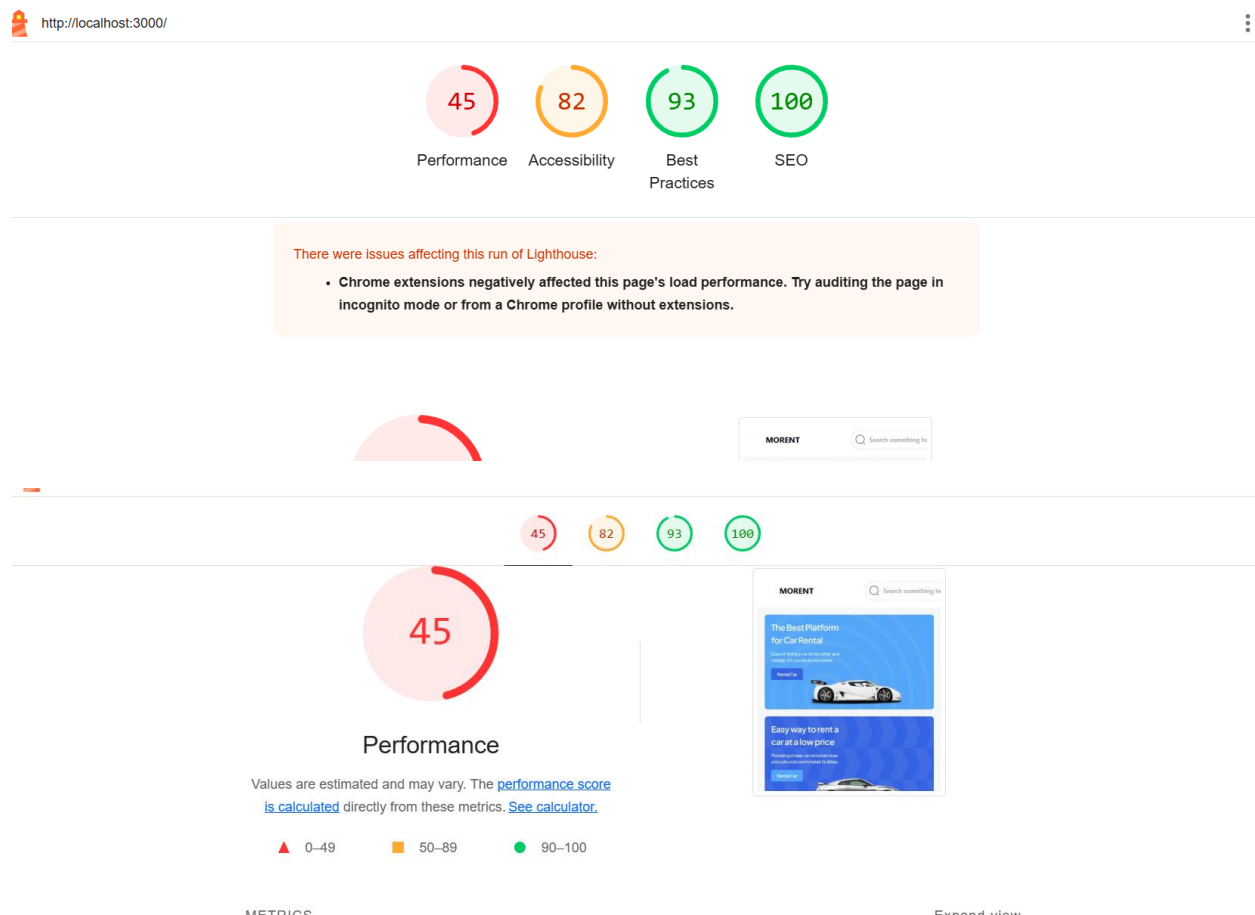
The screenshot shows the Chrome DevTools Developer Resources panel. The 'Filter' dropdown is set to 'Filter by URL and error'. A checkbox labeled 'Load through website' is checked. The table below lists the loaded resources.

Status	URL	Initiator	Total Bytes	Error
success	chrome-extension://fmkadmapgo.../installHook.js.map	chrome-exten...	203 875	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWx		6 455	
success	/OiBib29sZWFuXG59XG5cbmNvbnN0IEJ1dHRvbiA9IFJl		3 006	
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9uIjozLCJmaWx		479	
success	/ZTdkMiJdLCJzb3VyY2VzQ29udGVudCI6WyJpbXBvcnQ		3 393	
success	chrome-ext.../react_devtools_backend_compact.js.map	chrome-exten...	180 475	

Performance Monitor:



Performance:





METRICS

Expand view

▲ First Contentful Paint
3.7 s

▲ Largest Contentful Paint
4.4 s

▲ Total Blocking Time
10,930 ms

● Cumulative Layout Shift
0

■ Speed Index
4.7 s

Hackathon Day 7:

Set Environment Variable:

Key	Value
NEXT_PUBLIC_SANITY_PROJECT_ID	06p8ilu5
NEXT_PUBLIC_SANITY_DATASET	production
SANITY_API_TOKEN	skMmyuZAJiI0pyr4SvwZAra1b6KAAZNcWUJXMUdn EMXs9zXHmfZtWy4ICfaD7WJCDLMmxdhxA63xiM0W LqI66o4qRBUH8w1pewqjIn2ETocdnYmYAeahMqGJ aDzB2F44FXar6uh1GLf6sbS9qtRawkHdk9EShNp9 ypCi9F0YBVnCYZ3NaYtx

[Add Another](#)

Activate Windows
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Sentry:

```
JS sentry.config.js x
src > JS sentry.config.js > ...
1  const { withSentryConfig } = require("@sentry/nextjs");
2
3  const moduleExports = {
4    // Your existing Next.js config here
5  };
6
7  const SentryWebpackPluginOptions = {
8    silent: true, // Suppresses all logs
9  };
10
11  module.exports = withSentryConfig(moduleExports, SentryWebpackPluginOptions);
12
```

Activate Windows
Go to Settings to activate Windows.