Day 4 - Building Dynamic Frontend Components for Your Marketplace

Day 4 - Dynamic Frontend Components - [Car Rental Website]

Objective:

The goal for this day was to build dynamic frontend components that enhance the functionality and user experience of our marketplace.

Key Components Built:

Footer and Header Components

- React State: Used to manage the dynamic states for search input, navigation, and display.

- React Router: Used for routing between different pages such as car details and the homepage.

- Icons & Logo: Integrated with navigation functionality for the logo and icons in the header.

All Product List

- Sanity CMS: Used to fetch car data from Sanity's headless CMS.

- useState & useEffect: Used to manage and display the fetched car data dynamically.

- Dynamic Rendering: Displayed cars dynamically based on data fetched from Sanity.

Category Product List (Popular Cars & Recommended Cars)

- Sanity CMS: Filters cars and fetches data for Popular and Recommended categories.

- useState & useEffect: Dynamically updates the category lists when the data is fetched from Sanity.

- Array Slicing: Cars are sliced into two groups (popular and recommended) for separate display.

Dynamic Page

- Slug-based Routing: React Router is used with dynamic slugs to generate unique URLs for each car's page.

- Sanity CMS: Fetches specific car data based on the slug from Sanity.

- useState & useEffect: Used to manage and display the car details once the page is loaded.

- Reviews Section: Dynamic rendering of reviews and recommendations based on user feedback and data.

Billing / Payment Page

- useState: Manages the user input values (e.g., user details, payment info).

- Form Handling: Form validation to ensure all fields are filled correctly before submitting.

- Checkbox Validation: Implemented the terms and conditions checkbox functionality.

- Conditional Rendering: Rental summary card and payment section are dynamically rendered based on the user's selection.
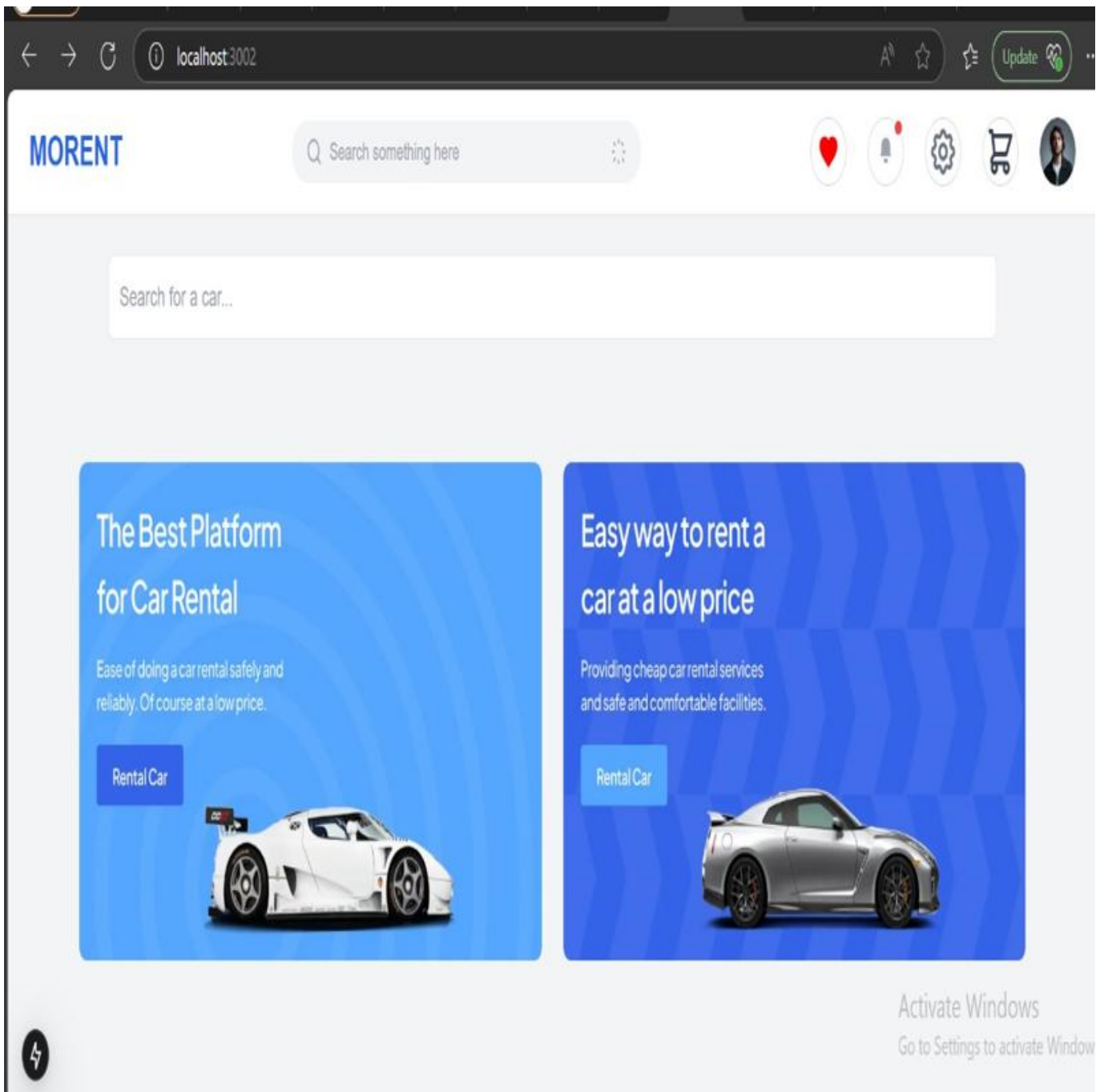
Reviews Section Component

- useState & useEffect: Used to manage the reviews and update the list of reviews after submission.

- Form Handling: Handles review submissions and stores them in state.

- Conditional Rendering: Displays example static comments along with the functionality for users to add their own reviews.

Screenshots with Descriptions:

Homepage

Description: This section demonstrates the homepage with full functionality and UI.

Available Cars

Description: This section demonstrates the available cars with full functionality and UI.

Pick-Up

Locations	Date	Time
New York ⌄	mm/dd/yyyy 📅	--:-- -- 🕐

⇅

Drop-Off

Locations	Date	Time
New York ⌄	mm/dd/yyyy 📅	--:-- -- 🕐

Available Cars

Ford Mustang
Gasoline
🔋 60LL   🚗 4 seats
$80.00/day
[Rent Now]

BMW X5
Diesel
🔋 70LL   🚗 7 seats
$150.00/day
[Rent Now]

Nissan GT-R
Sport
🔋 80LL   🚗 2 People
$80.00
~~$100.00~~
[Rent Now]

Rolls-Royce
Sedan
🔋 70LL   🚗 4 People
$96.00
[Rent Now]

Detailed Car Page

Description: This section demonstrates the detailed car page with full functionality and UI.

Tesla Model 3

Electric

🔋 100kWhL   🚗 5 seats

$100.00/day

Rent Now

Chevrolet Camaro

Gasoline

🔋 70LL   🚗 4 seats

$110.00/day

Rent Now

All New Terlos

SUV

🔋 90LL   🚗 6 People

$74.00

Rent Now

MG ZX Exclusive

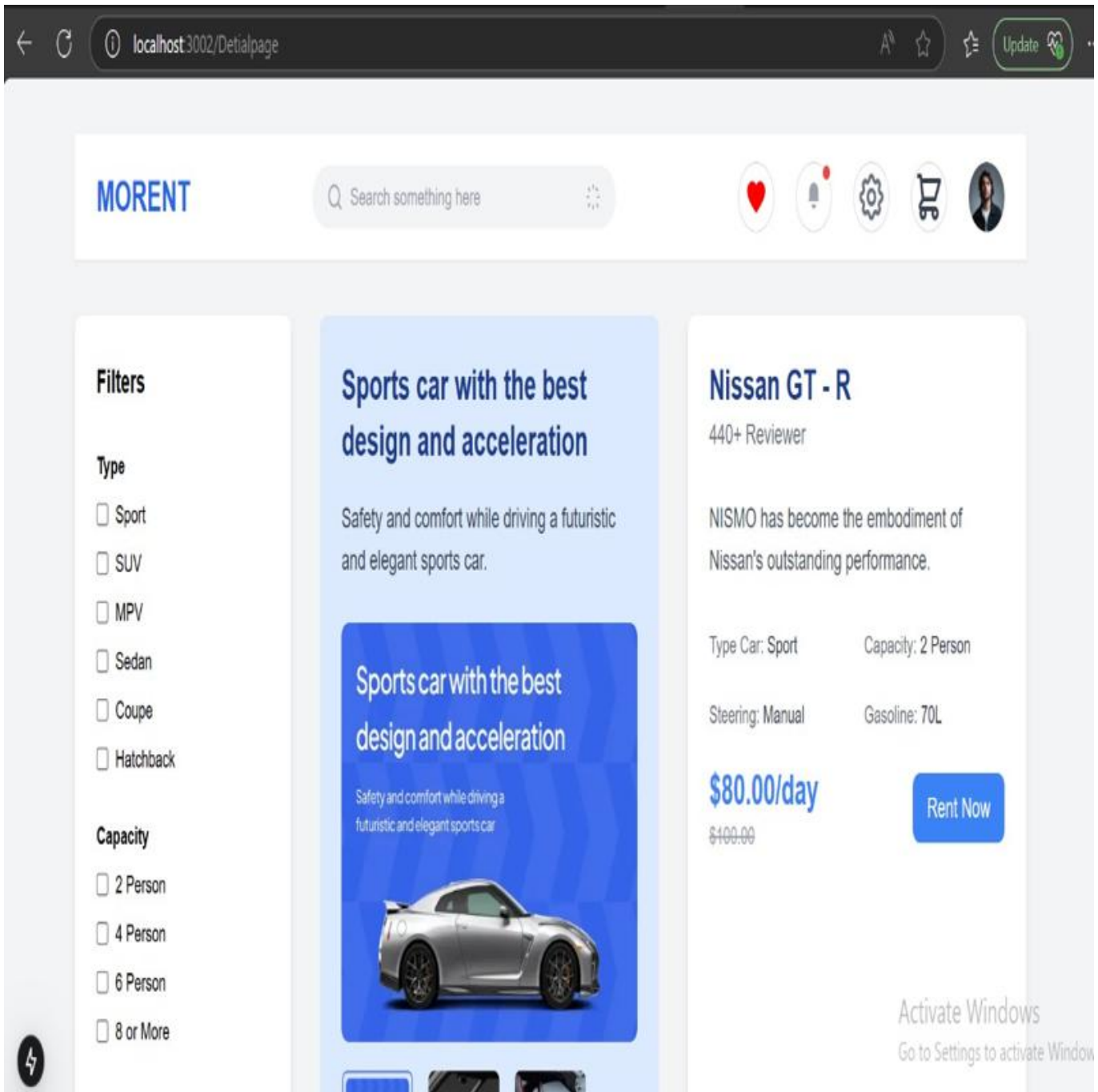Hatchback

🔋 90LL   🚗 2 People

$99.00

Rent Now

Show more cars

Activate Windows
Go to Settings to activate Windows

Payment Page

Description: This section demonstrates the payment page with full functionality and UI.

Wishlist Page

Description: This section demonstrates the wishlist page with full functionality and UI.

Skylar Dias
CEO at Amazon

20 July 2022

We are greatly helped by the services of the MORENT Application. Morent has low prices and also a wide variety of cars with good and comfortable facilities. In addition, the service provided by the officers is also very friendly and very polite.
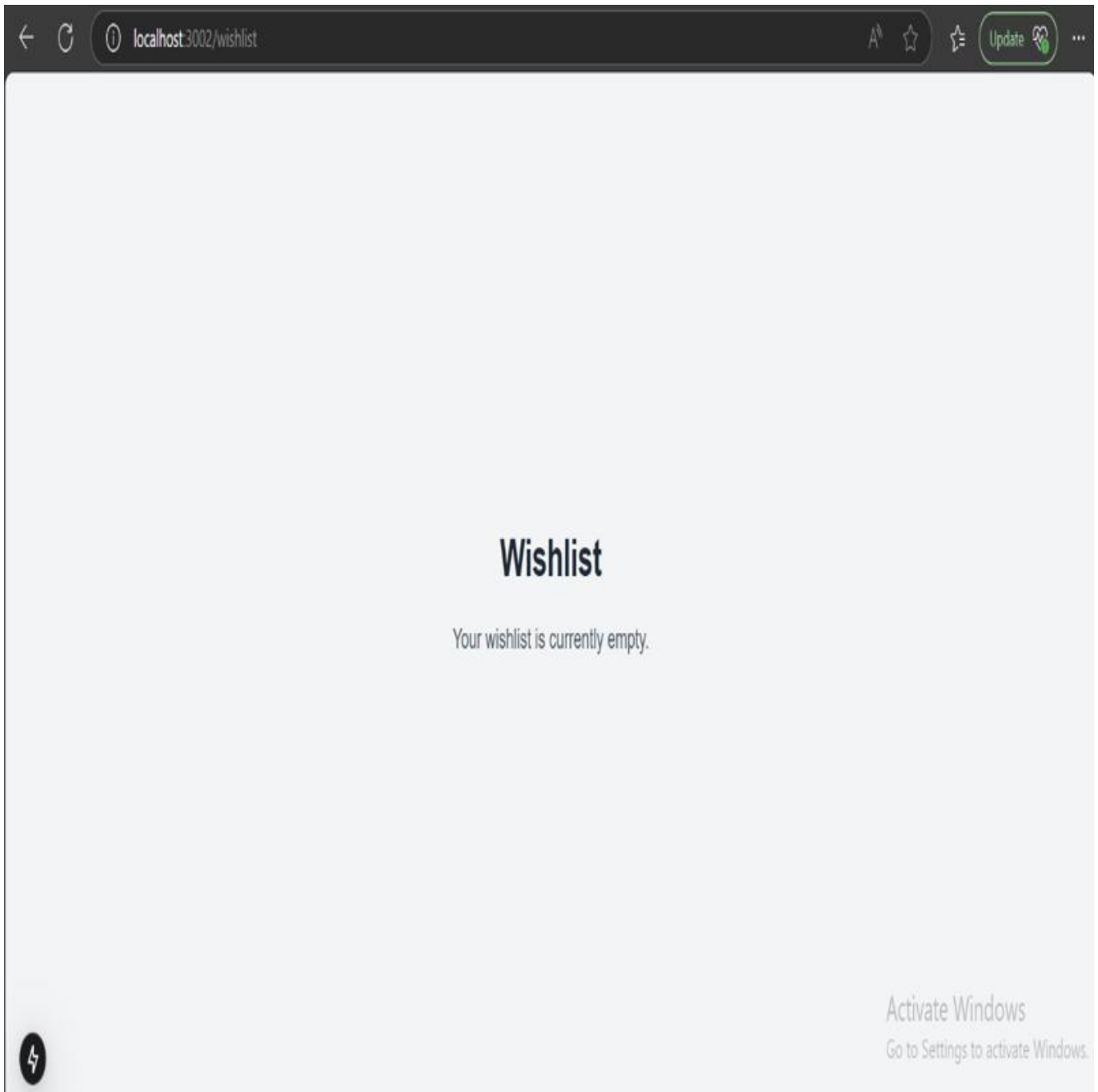
★★★★★

Add Your Review

Your Name

Your Position

Select Rating ⌄

Write your review...

Submit Review

Notifications Page

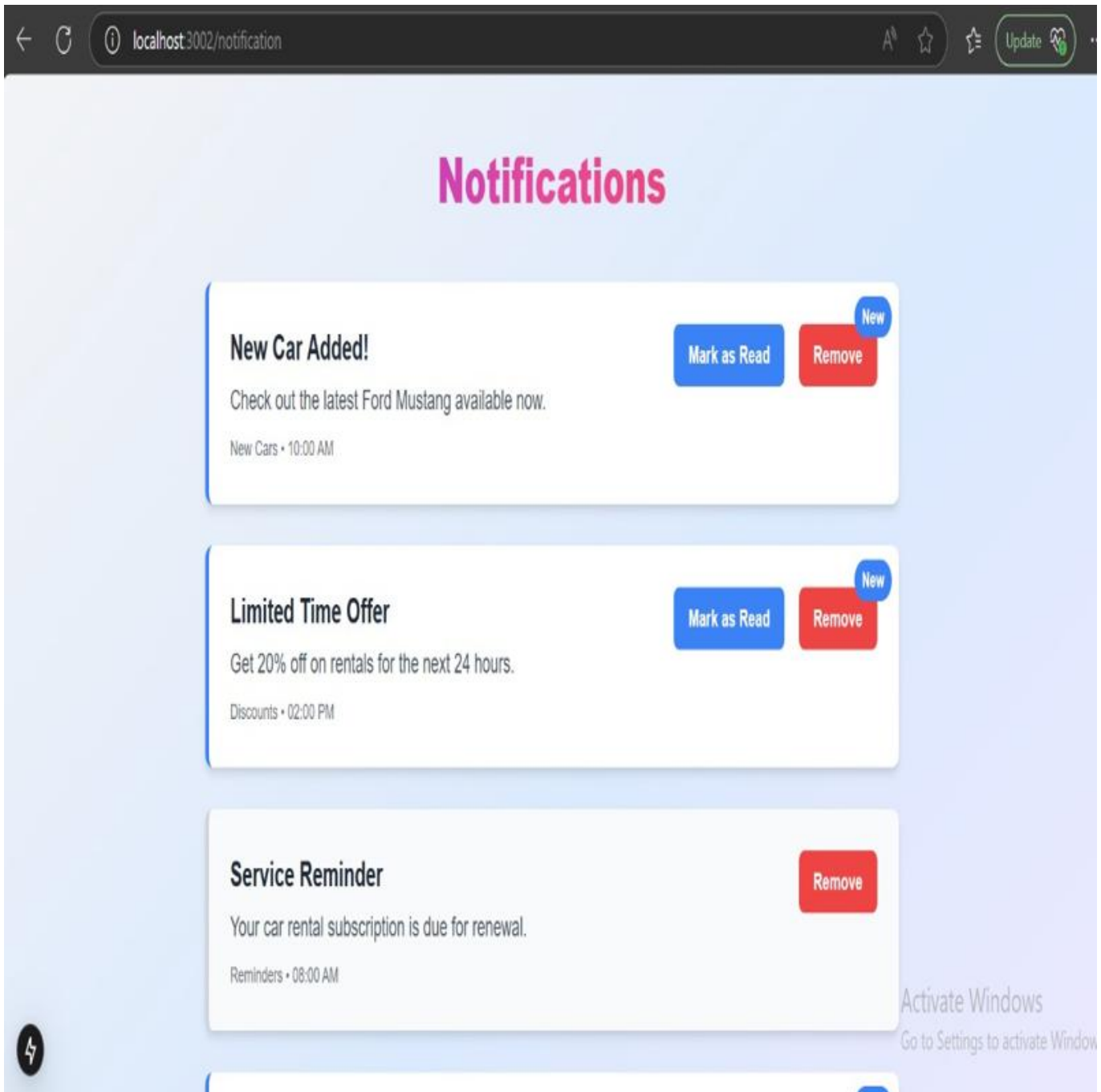Description: This section demonstrates the notifications page with full functionality and UI.

Settings Page

Description: This section demonstrates the settings page with full functionality and UI.

Cart Page

Description: This section demonstrates the cart page with full functionality and UI.

Conclusion

On Day 4, significant progress was made in building dynamic frontend components for our car rental marketplace. Each component was thoughtfully designed and implemented to enhance the user experience and functionality. Key highlights include:

1. Dynamic Rendering: Leveraged React's state management (useState, useEffect) and Sanity CMS.

2. Routing & Navigation: Seamless navigation using React Router.

3. User Interaction: Created interactive components like search bars and forms with validation.

4. Data Visualization: Used charts and graphs in the admin and analytical dashboards.

Future work will focus on implementing user authentication, enhancing the admin dashboard, and refining the design for a polished look.