

# **BUILDING DYNAMIC FRONTEND COMPONENTS FOR RENTAL ECOMMERCE**

### Introduction:

**Day 4** was all about improving the frontend by creating **dynamic components** with Next.js and Tailwind CSS. I also worked on **dynamic routing** to make navigation smooth and user-friendly.

I focused on adding key features that are super important for a **rental eCommerce platform**, such as:

- **AI Chatbot** for smart customer support,
- **Wishlist** to save favorite items,
- **Sign In / Sign Up** forms,
- **User Dashboard** and **Admin Dashboard** to manage everything,
- **Analytics Dashboard** for tracking data,
- **FAQ Page** to answer common questions,
- **Social Media Sharing** UI for quick sharing,
- **Translation Page** to support multiple languages,
- **Gift Cards & Vouchers**
- **Review Page**
- A **Subscription** Feature for recurring services.

I also **used APIs** to **fetch** data for the frontend, making the platform **dynamic** and **functional**. This was a big step in making the app look great while being easy to use for everyone.

Let's take a closer look at how these features came together and how they help build an awesome rental eCommerce platform!

## Content:

- ❖ AI Chatbot for customer support
- ❖ Wishlist for saving favorites
- ❖ Sign In / Sign Up forms
- ❖ User Dashboard
- ❖ Admin Dashboard
- ❖ Analytics Dashboard
- ❖ FAQ Page
- ❖ Social Media Sharing UI
- ❖ Translation Page for multiple languages
- ❖ Gift Cards & Vouchers
- ❖ Review Page
- ❖ Subscription Feature for recurring services


## 1. Frontend: Fetch Data

Here's how the fetched data will look in the frontend, displayed based on the query you wrote in queries.ts:

### Popular Cars

[View All](#)

**Nissan GT-R**  
Sport




80LL Manual 4 people

**\$96.00** /day  
~~\$100.00~~

Rent Now

**Rolls-Royce**  
Sedan




70LL Manual 4 people

**\$96.00** /day

Rent Now

**Nissan GT-R**  
Sport




80LL Manual 2 people

**\$80.00** /day  
~~\$100.00~~

Rent Now

**Ford Mustang**  
Gasoline




60LL Manual 7 people

**\$72.00** /day  
~~\$80.00~~

Rent Now

### Recommended Cars

**Audi A6**  
Hybrid




50LL Manual 6 people

**\$72.00** /day

Rent Now

**Porsche 911**  
Gasoline




60LL Manual 7 people

**\$80.00** /day

Rent Now

**Rolls-Royce**  
SUV




70LL Manual 5 people

**\$80.00** /day  
~~\$100.00~~

Rent Now

**CR-V**  
SUV




80LL Manual 6 people


**\$80.00** /day

Rent Now


**All New Terlos**  
SUV




**Mercedes-Benz C-Class**  
Gasoline



**Chevrolet Camaro**  
Gasoline



**Nissan Altima**  
Hybrid

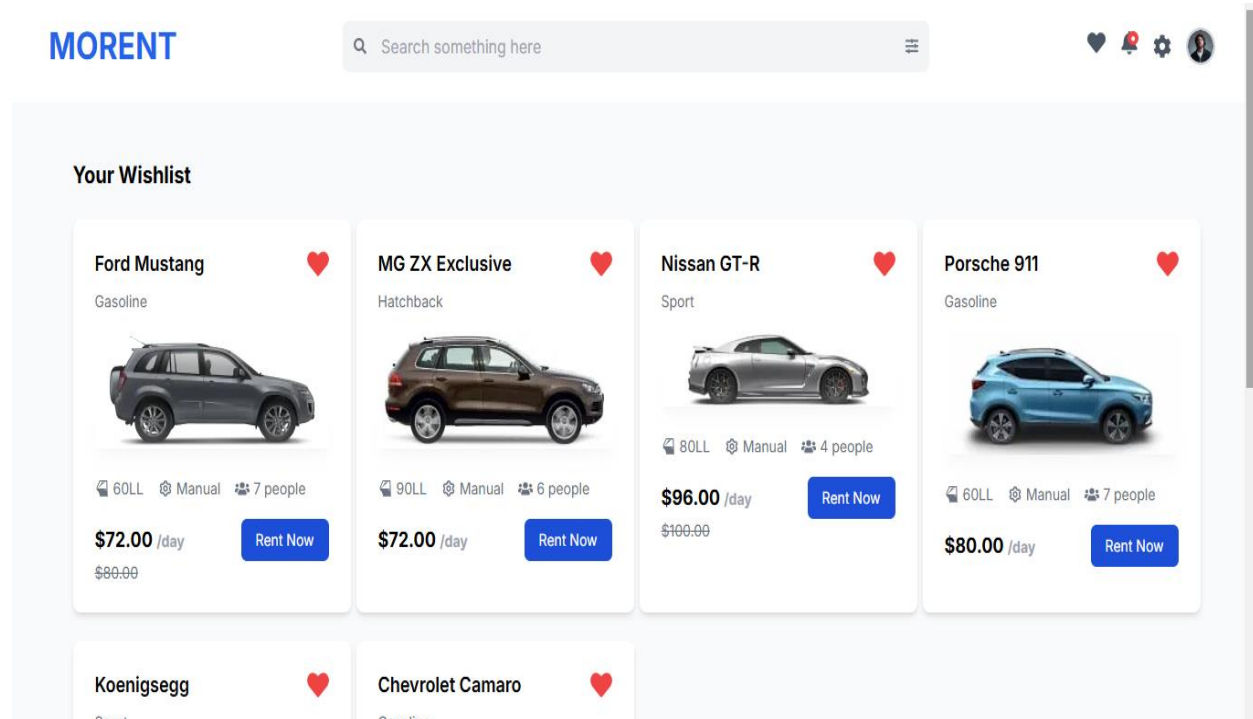


## 2. Functionality: Wishlist Feature

Since you have the freedom to add extra functionality, a great addition would be a **Wishlist** feature. This allows users to save their favorite cars for later reference. In the image, you can see how this functionality works. users can click on a "heart" icon to add a car to their wishlist. The wishlist will be saved and accessible across sessions. This feature can significantly enhance user experience by letting them easily revisit cars they're interested in.

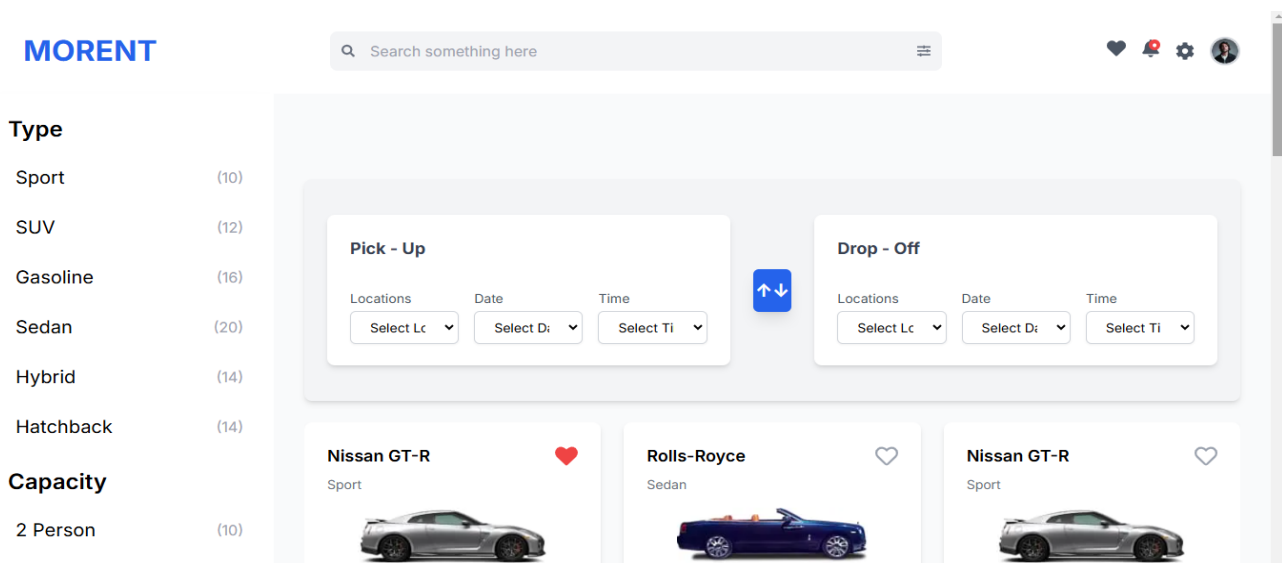
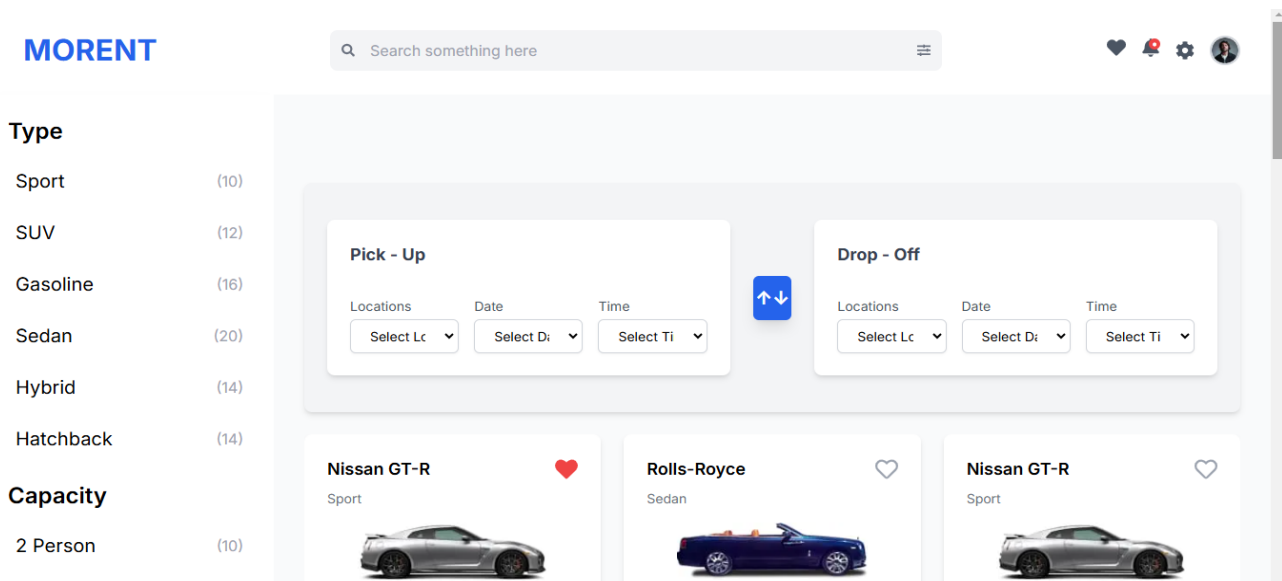
Here's a basic outline of how you can implement it:

1. **Wishlist Icon:** Add a heart icon next to each car, which users can click to add the car to their wishlist.
2. **State Management:** Use local storage or a backend service to store the wishlist data, making it persistent.
3. **Display Wishlist:** Create a page where users can view the cars they've added to their wishlist.



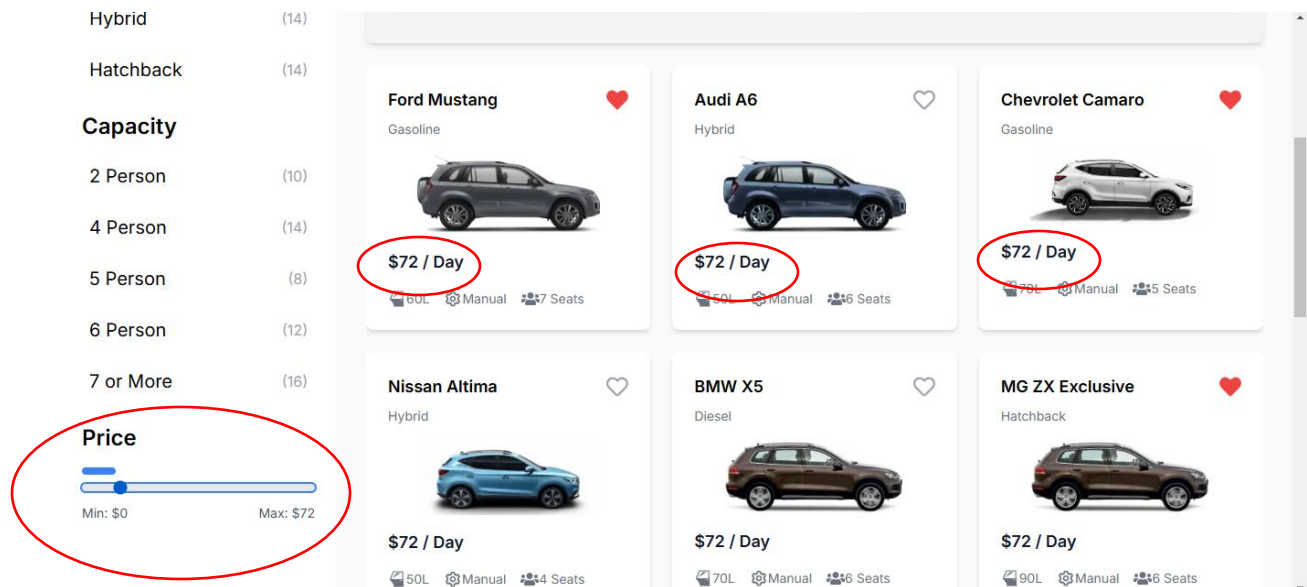
### 3. Category Page: Dynamic Filtering from Sanity

- The **Category Page** dynamically fetches products from Sanity, allowing users to explore different car categories.
  - As shown in the image, the filtering functionality enables users to sort cars based on various attributes such as type, capacity, and price.
- ❖ Here's a breakdown of how the filtering works:
- **Type Filter:** Filters cars based on their type (e.g., sedan, SUV).
  - **Capacity Filter:** Allows filtering cars by their seating capacity.
  - **Price Filter:** Filters cars within a specific price range.



## Dynamic Filtering from Sanity:

- ❖ As shown in the image, when you apply a filter, such as the price range, the page dynamically updates to display the relevant products.
- ❖ The data is fetched from Sanity, ensuring that the product list reflects your selected filters in real-time.
- ❖ This functionality allows users to easily narrow down their choices based on type, capacity, or price range, enhancing their browsing experience.



## 4. Pickup and Drop-Off: Seamless Booking:

In this section, users can select their preferred **city**, **date**, and **time** for pickup and drop-off. Once the details are entered, the system checks car availability for the chosen slot.

- If a car is available, the message "**Car is available in this slot**" will appear.
- If no cars are available, the message "**No car is available in this slot**" will be displayed.

### Pick - Up

Locations

Select Location

Date

Select Date

Time

Select Timing

↑

↓

### Drop - Off

Locations

Select Location

Date

Select Date

Time

Select Timing

Car is available for your selected options!

## Pick - Up

Locations

Karachi

Date

Today

Time

Morning



## Drop - Off

Locations

Lahore

Date

Today

Time

Morning

No cars available for the selected options.

## Pick - Up

Locations

Lahore

Date

Tomorrow

Time

Morning



## Drop - Off

Locations

Islamabad

Date

Next Week

Time

Afternoon

## 6. Search and Filter:

- Search cars by **name** or **price**.
- Filter cars based on **price range**.
- Quickly find cars that fit your budget and preferences.
- User friendly and efficient for a personalized experience.

Search cars by name or type...

Filter by max p

Reset

## Popular Cars

[View All](#)

### Nissan GT-R

Sport



80LL Manual 4 people

\$96.00 /day

Rent Now

### Rolls-Royce

Sedan



70LL Manual 4 people

\$96.00 /day

Rent Now

### Nissan GT-R

Sport



80LL Manual 2 people

\$80.00 /day

Rent Now

### Ford Mustang

Gasoline



60LL Manual 7 people

\$72.00 /day

Rent Now

[Let's Talk](#)



## Recommended Cars



### Popular Cars


[View All](#)

Nissan Altima
Hybrid



50LL Manual 4 people

\$72.00 /day
Rent Now


[Let's Talk](#)


### Recommended Cars

### Popular Cars


[View All](#)

Ford Mustang
Gasoline



60LL Manual 7 people

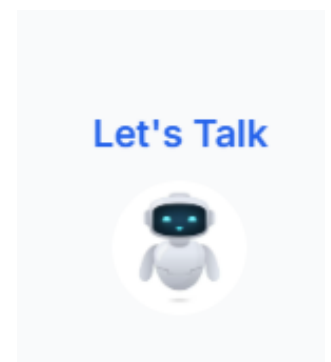
\$72.00 /day
Rent Now

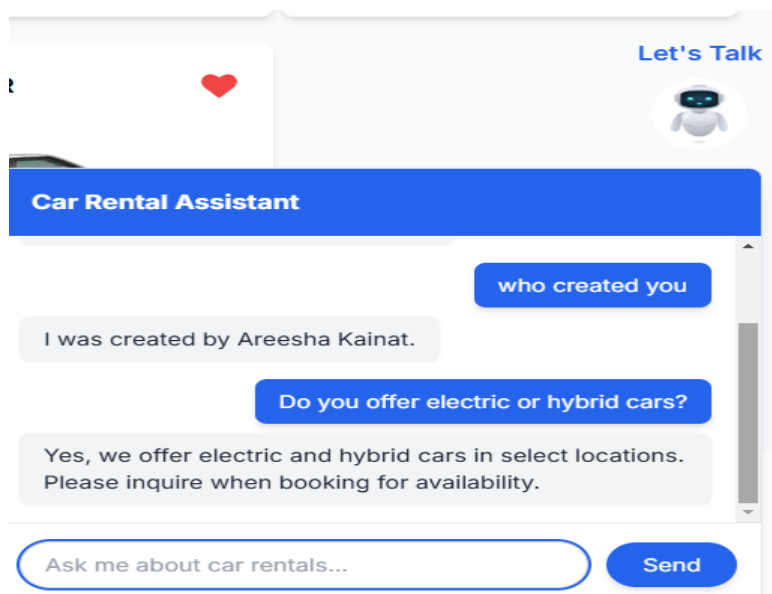
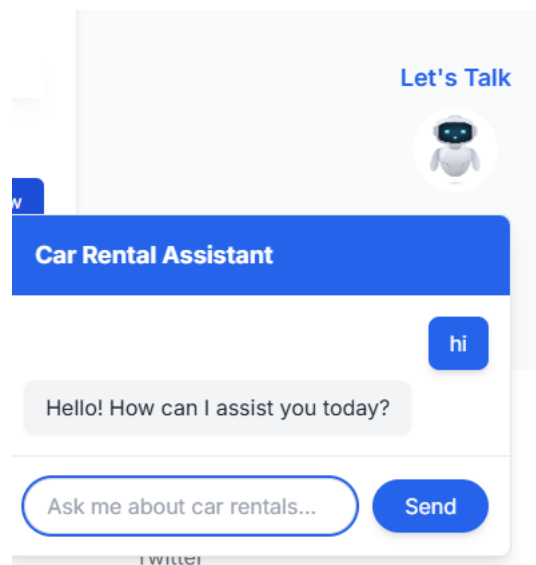
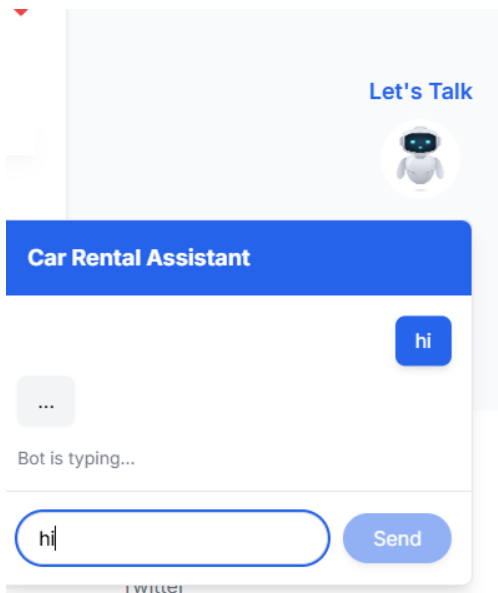
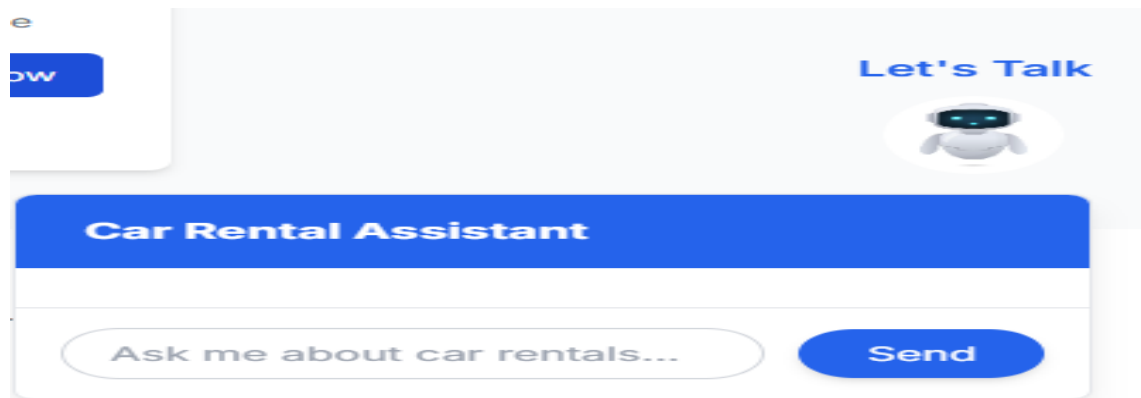
[Let's Talk](#)


### Recommended Cars

## 7. AI Chatbot

- Users can ask any question or query.
- The bot responds with a **typing animation** for a more interactive experience.
- Relevant answers or solutions are displayed after the animation.
- Makes customer support quick, engaging, and easy to use.





## 8. Car Rental Analytics Dashboard :

The Car Rental Analytics Dashboard provides a comprehensive overview of key metrics and performance insights, helping you make data-driven decisions.

❖ **KPI Metrics:** Displays essential statistics like:

- **Total Bookings:** Tracks the number of car rentals.
- **Total Revenue:** Monitors monthly earnings.
- **Active Users:** Keeps count of active users and shows trends.

❖ **Bar Chart:**

- Visualizes monthly revenue trends, providing a clear picture of earnings over time.

❖ **Line Chart:**

- Tracks car bookings by month to identify peak periods.

❖ **Pie Chart:**

- Displays the distribution of bookings by car type, such as sedans, SUVs, luxury cars, and economy cars.

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### Car Rental Analytics Dashboard

Total Bookings

**1,234**

+8.5%

Total Revenue

**\$56,789**

+12.3%

Active Users

**3,456**

-2.1%

#### Monthly Revenue

Track your monthly revenue from car rentals.



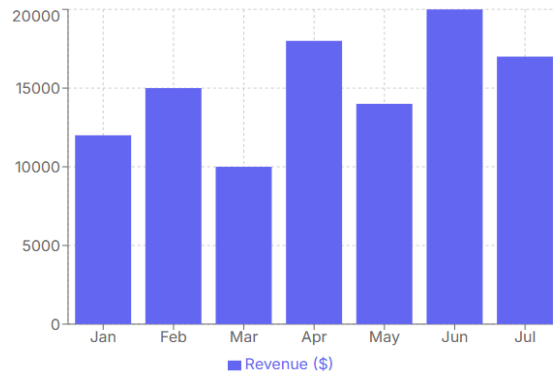
#### Monthly Bookings

Monitor the number of car bookings per month.



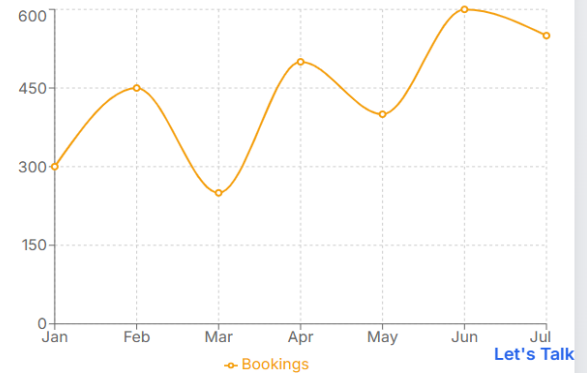
### Monthly Revenue

Track your monthly revenue from car rentals.



### Monthly Bookings

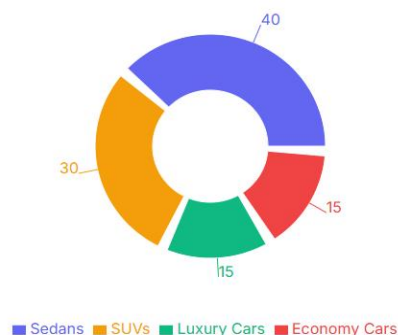
Monitor the number of car bookings per month.



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### Bookings by Car Type



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## 9.FAQ & Help Center:

The FAQ & Help Center is designed to make finding answers easy and efficient:

### ❖ Search Bar:

- A fully functional search bar helps users quickly locate specific questions and answers.

### ❖ Common Questions:

- Organized answers to frequently asked questions to save users time.

### ❖ Feedback Form:

- Allows users to share their experiences or report unresolved issues, ensuring continuous improvement.

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### FAQ & Help Center

Find answers to common questions or contact our support team.

Search FAQs...

#### Frequently Asked Questions

##### How can I reset my password?

To reset your password, go to the login page, click "Forgot Password," and follow the instructions sent to your email.

##### How do I contact support?

You can contact support by using the form below or sending an email to areesha@gmail.com.

Let's Talk



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### FAQ & Help Center

Find answers to common questions or contact our support team.

conta

#### Frequently Asked Questions

##### How do I contact support?

You can contact support by using the form below or sending an email to areesha@gmail.com.

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Contact Support

## Contact Support

Need further help? Fill out the form below, and we'll get back to you as soon as possible.

Name

Email

Message

Submit

Let's Talk



## 10. Social Media Share Page :

- **Car Selection:** Users can select cars with visual highlights.
- **Platform Dropdown:** Choose Facebook, Twitter, or WhatsApp for sharing.
- **Share Button:** Instantly share selected cars with a confirmation message.
- **Social Icons:** Quick links to share the page via social platforms.
- **Dynamic Feedback:** Real-time confirmation after sharing.
- **Responsive Design:** Works seamlessly on all devices.

## Share Your Cars

BMW X5



60LL Automatic 5 people

\$150.00 /day

Audi Q7



80LL Manual 7 people

\$200.00 /day

New MG ZS



70LL Manual 6 people

\$100.00 /day

Share Selected Cars


Share this page



Let's Talk




## Share Your Cars

**BMW X5**



60LL Automatic 5 people

**\$150.00** /day

**Audi Q7**


80LL Manual 7 people

**\$200.00** /day

**New MG ZS**



70LL Manual 6 people

**\$100.00** /day


Select Platform to Share:

Select a platform ▾

Share Selected Cars


Let's Talk 

## Share Your Cars

**BMW X5**



60LL Automatic 5 people

**\$150.00** /day

**Audi Q7**


80LL Manual 7 people

**\$200.00** /day

**New MG ZS**



70LL Manual 6 people

**\$100.00** /day

Select Platform to Share:

Twitter ▾

Share Selected Cars

Let's Talk 

Your selected cars have been shared on Twitter!

## 12. Translation Page:

- **Language Selector:** Switch between English, Spanish, and French.
- **Dynamic Content:** Content updates based on selected language.
- **Responsive UI:** Clean, modern design with smooth transitions.
- **Blog Section:** Displays content (blog title and description) in the selected language.

- **Explore Button:** Directs users to a product category page.

[English](#) [Español](#) [Français](#)


# Welcome to the Marketplace

Browse through a variety of products and services.

[Explore Now →](#)

## Why Choose Our Car Rental Service?

Our car rental service offers flexibility, convenience, and the best cars for your needs. Whether you're going on a business trip or a weekend getaway, we have the perfect car for you. With a wide variety of cars to choose from, you can find the ideal vehicle that fits your style and budget. We also offer customer support and easy booking options for a seamless experience.

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[English](#) [Español](#) [Français](#)

# Bienvenido al Mercado

Navegue a través de una variedad de productos y servicios.

[Explorar Ahora →](#)

## ¿Por qué elegir nuestro servicio de alquiler de coches?

Nuestro servicio de alquiler de coches ofrece flexibilidad, comodidad y los mejores coches para sus necesidades. Ya sea que viaje por negocios o por una escapada de fin de semana, tenemos el coche perfecto para usted. Con una amplia variedad de coches para elegir, puede encontrar el vehículo ideal que se ajuste a su estilo y presupuesto. También ofrecemos soporte al cliente y opciones de reserva fáciles para una experiencia sin problemas.

[Let's Talk](#)

[English](#) [Español](#) [Français](#)

# Bienvenue sur le Marché

Parcourez une variété de produits et services.

[Explorer Maintenant →](#)

## Pourquoi choisir notre service de location de voitures ?

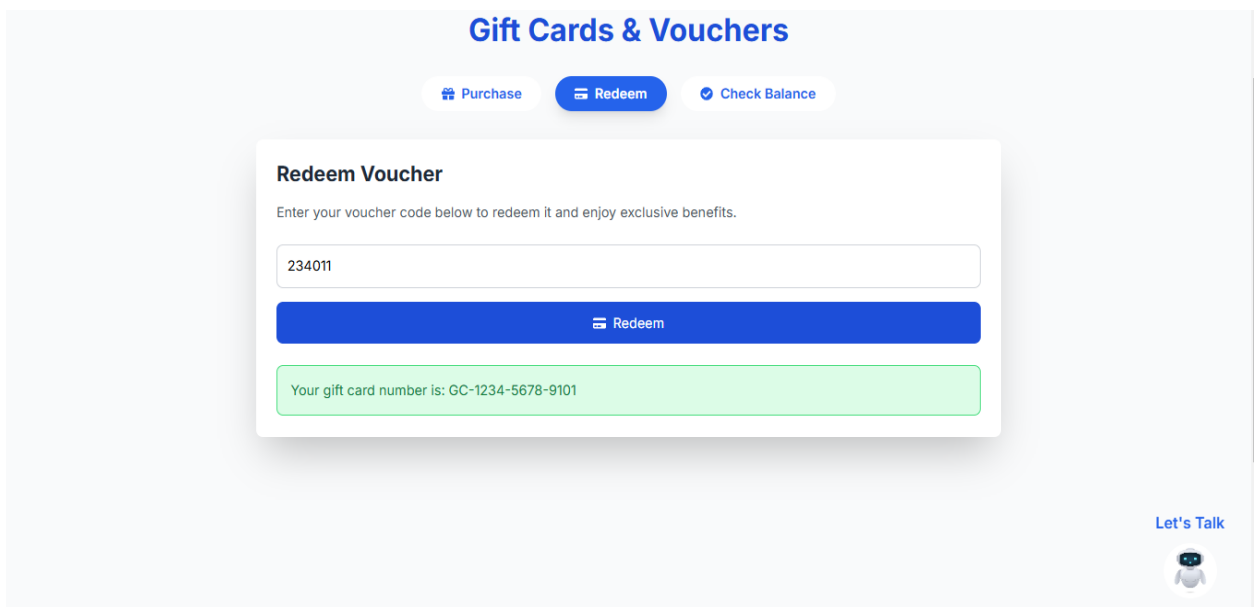
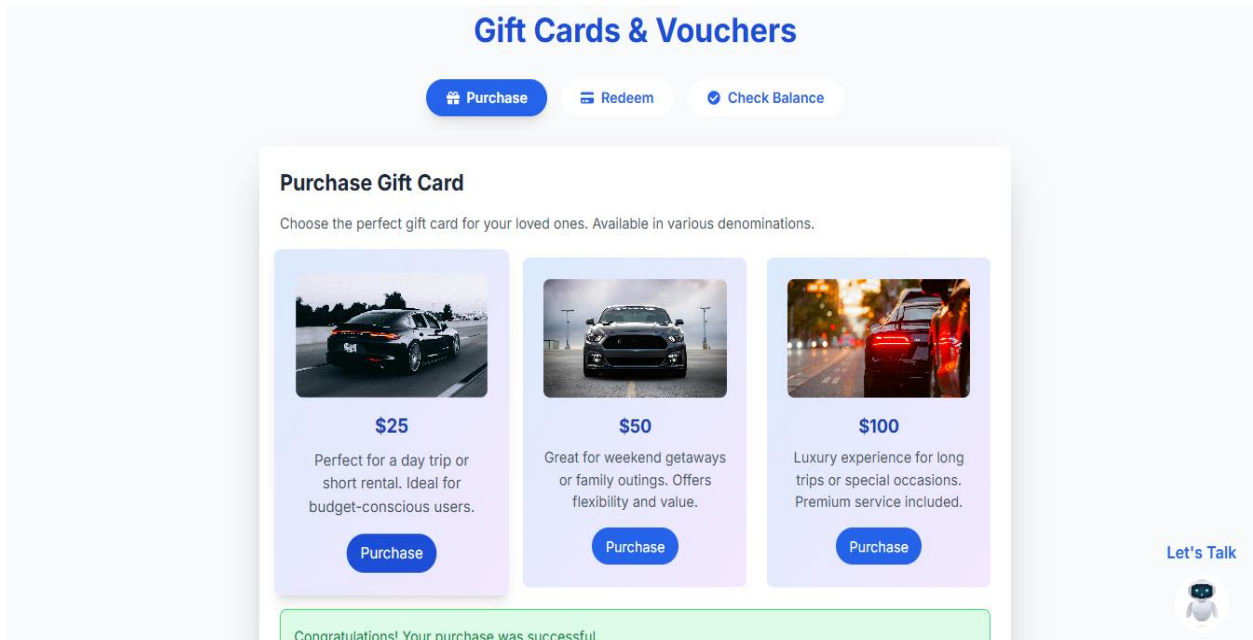
Notre service de location de voitures offre flexibilité, commodité et les meilleures voitures pour vos besoins. Que vous partiez en voyage d'affaires ou pour une escapade de week-end, nous avons la voiture parfaite pour vous. Avec une large sélection de voitures parmi lesquelles choisir, vous pouvez trouver le véhicule idéal qui correspond à votre style et à votre budget. Nous proposons également un service client et des options de réservation faciles pour une expérience sans tracas.

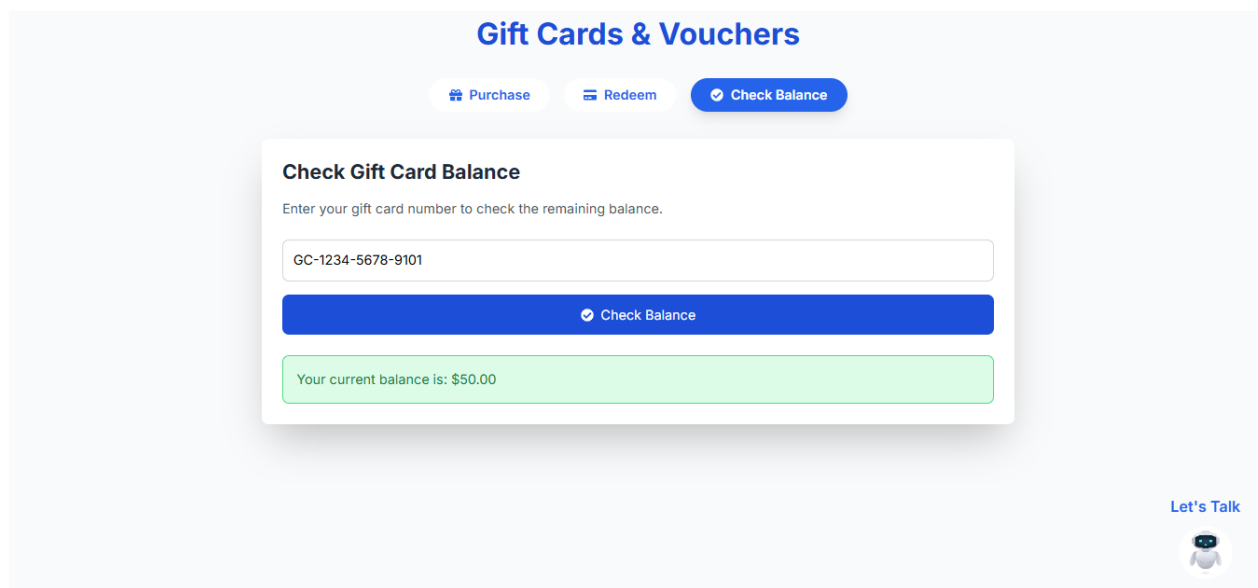
[Let's Talk](#)



## 13. Gift Cards & Vouchers:

- **Purchase:** Select from various gift card amounts for special occasions.
- **Redeem:** Enter your voucher code to enjoy exclusive benefits.
- **Check Balance:** View the remaining balance on your gift card.
- **Smooth Navigation:** Switch between tabs seamlessly with animations.
- **Instant Feedback:** Get real-time updates on your actions and status.





## 14.Subscription Management:

### ❖ Subscription Plans:

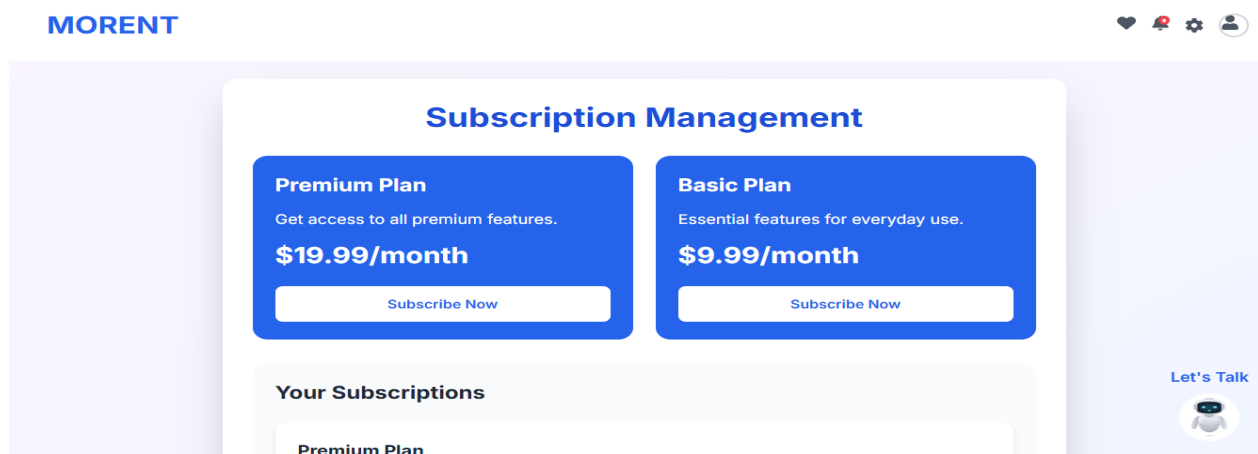
- **Premium Plan:** Access all premium features for \$19.99/month.
- **Basic Plan:** Essential features for \$9.99/month.
- **Action:** Clicking "Subscribe Now" subscribes the user to the chosen plan with an alert.

### ❖ Your Subscriptions:

- **Active Status:** Shows the active subscription with renewal date and cancel option.
- **Inactive Status:** Shows inactive subscription with the renewal option.

### ❖ Action:

- Clicking "**Cancel**" will change the subscription status to "Inactive".
- Clicking "**Renew**" will renew the subscription with a new renewal date.



Subscribe Now

Subscribe Now

### Your Subscriptions

**Premium Plan**  
\$19.99/month  
**Active**  
Renewal Date: 2023-12-01

Cancel

**Basic Plan**  
\$9.99/month  
**Inactive**  
Renewal Date: 2023-11-15

Renew


Let's Talk

**MORENT**  
Our vision is to provide convenience and help

**About**  
Analytics Dashboard

**Community**  
Gift Card and Voucher

**Socials**  
Discord



localhost:3000 says  
Subscription canceled!

OK

### Your Subscriptions

**Premium Plan**  
\$19.99/month  
**Active**  
Renewal Date: 2023-12-01

Cancel

**Basic Plan**  
\$9.99/month  
**Inactive**  
Renewal Date: 2023-11-15

Renew


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### Your Subscriptions

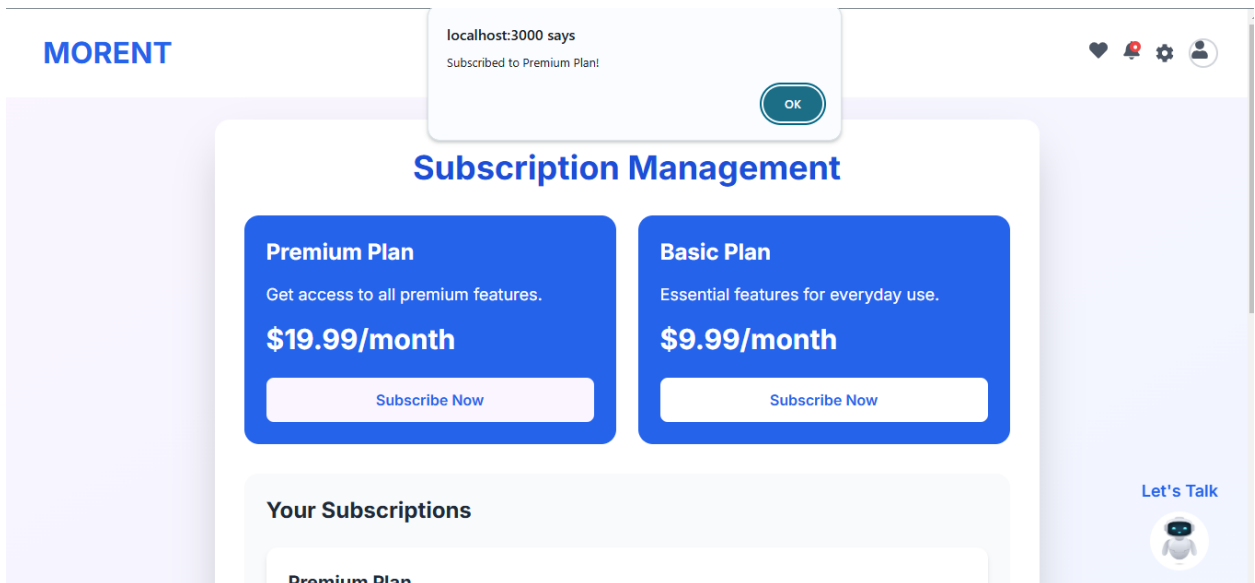
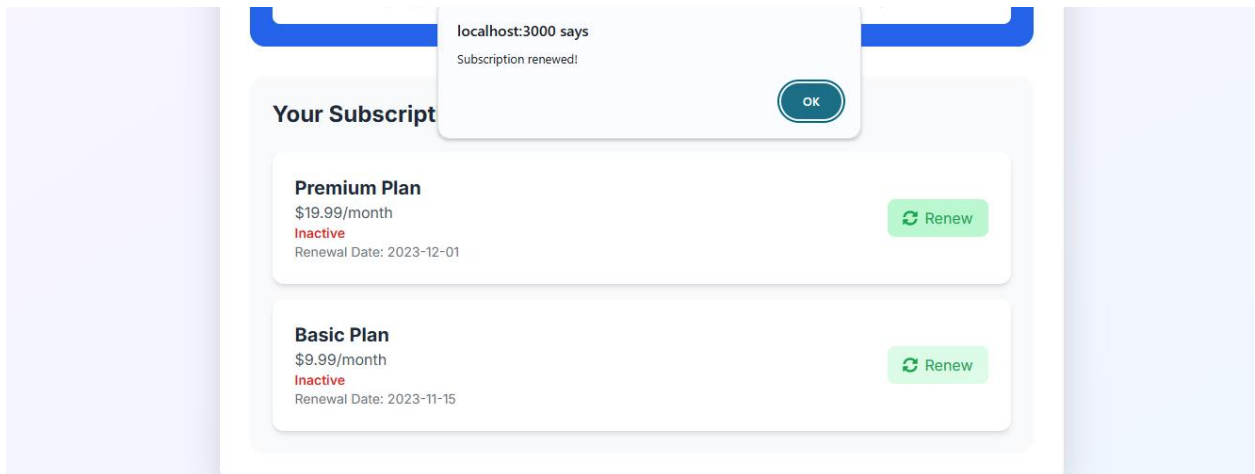
**Premium Plan**  
\$19.99/month  
**Inactive**  
Renewal Date: 2023-12-01

Renew

**Basic Plan**  
\$9.99/month  
**Inactive**  
Renewal Date: 2023-11-15

Renew

Let's Talk



## 15. Your Notifications

- ❖ **Mark as Read**: Clicking "**Mark as Read**" changes the notification's appearance and disables the button.
- ❖ **Delete**: Clicking "**Delete**" removes the notification from the list.
- ❖ **Action Buttons**:
  - **Mark All as Read**: Marks all notifications as read.
  - **Delete All**: Deletes all notifications.
  - ❖ **Empty State**: Shows "No notifications available" when empty.

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Your Notifications

- Nissan GT-R is on discount for rent: \$80.00/day (actual price \$100)

Mark as Read

Delete
- New rental offer: Rent a luxury car and get a free upgrade!

Mark as Read

Delete
- Limited time deal: SUV rentals starting at \$50/day!

Mark as Read

Delete

Mark All as Read Delete All

Let's Talk



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Your Notifications

- Nissan GT-R is on discount for rent: \$80.00/day (actual price \$100) ✓

Marked as Read

Delete
- New rental offer: Rent a luxury car and get a free upgrade!

Mark as Read

Delete
- Limited time deal: SUV rentals starting at \$50/day!

Mark as Read

Delete

Mark All as Read Delete All

Let's Talk



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Your Notifications

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Mark as Read

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Mark All as Read Delete All

Let's Talk



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## Your Notifications

Nissan GT-R is on discount for rent: \$80.00/day (actual price \$100) ✓

Marked as Read

Delete

Limited time deal: SUV rentals starting at \$50/day! ✓

Marked as Read

Delete

Mark All as Read

Delete All

Let's Talk



## 16. Dynamic Routing with Sanity Integration

- **Fetches Data:** Retrieves blog posts from Sanity CMS dynamically.
- **Dynamic Pages:** Routes to detailed pages based on the post's slug.
- **Navigation:** Clicking a post title redirects to its detail page.
- **Error Handling:** Displays a 404 page if no matching post is found.

## Popular Cars

[View All](#)

<div>Nissan GT-R </div> <div>Sport</div> <div></div> <div>80LL Manual 4 people</div> <div>\$96.00 /day <a href="#">Rent Now</a></div>	<div>Rolls-Royce </div> <div>Sedan</div> <div></div> <div>70LL Manual 4 people</div> <div>\$96.00 /day <a href="#">Rent Now</a></div>	<div>Nissan GT-R </div> <div>Sport</div> <div></div> <div>80LL Manual 2 people</div> <div>\$80.00 /day <a href="#">Rent Now</a></div>	<div>Ford Mustang </div> <div>Gasoline</div> <div></div> <div>60LL Manual 7 people</div> <div>\$72.00 /day <a href="#">Rent Now</a></div>
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## Recommended Cars

[Let's Talk](#)

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## Type

Sport (10)

SUV (12)

Gasoline (16)

Sedan (20)

Hybrid (14)

Hatchback (14)

## Capacity

2 Person (10)

**Easy way to rent a car at a low price**

Providing cheap car rental services and safe and comfortable facilities.

Rental Car



## Nissan GT-R

440+ Reviewer

★★★★★

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

Type Sport Capacity 2  
Steering Manual Gasoline 70L

**\$80.00**  
\$100.00

Rent Now

## Reviews 2



**Alex Stanton**  
CEO at Bukalapak

21 July 2022 ★★★★★

We are very happy with the service from the MORENT App. Morent has low prices...

Let's Talk



## 17. User Reviews Page

- **Display Reviews:** Users can view a list of reviews with ratings, comments, and profile pictures.
- **Add New Reviews:** Users can submit their own reviews with a form that includes their name, role, comment, profile picture, and rating.
- **Star Rating:** Reviews are rated on a 5-star scale with clickable stars for rating.
- **Profile Picture Upload:** Users can upload a profile picture that will be displayed with their review.

Hatchback (14)

## Capacity

2 Person (10)

4 Person (14)

5 Person (8)

6 Person (12)

7 or More (16)

## Price

Min: \$0 Max: \$100

## Reviews 2



**Alex Stanton**  
CEO at Bukalapak

21 July 2022 ★★★★★

We are very happy with the service from the MORENT App. Morent has low prices...



**Skylar Dias**  
CEO at Amazon

20 July 2022 ★★★★★

We are greatly helped by the services of the MORENT Application. Morent has low prices...

## Add Your Review

Full Name

Designation

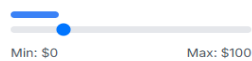
Your Review

Let's Talk



## DAY 4: MARKETPLACE BUILDER HACKATHON 2025

### Price



#### Full Name

Areesha Kainat

#### Designation

Full Stack Developer

#### Your Review

such a stunning Web

#### Profile Picture

Choose File 111111.jpg



#### Rating



Submit Review

Let's Talk



Hatchback (14)

### Capacity

2 Person (10)

4 Person (14)

5 Person (8)

6 Person (12)

7 or More (16)

### Price



### Reviews 3



Alex Stanton

CEO at Bukalapak

21 July 2022 ★★★★★

We are very happy with the service from the MORENT App. Morent has low prices...



Skylar Dias

CEO at Amazon

20 July 2022 ★★★★★

We are greatly helped by the services of the MORENT Application. Morent has low prices...



Areesha Kainat

Full Stack Developer

20 January 2025 ★★★★★

such a stunning Web

Let's Talk



Add Your Review

## 18.Signup Page:

- ❖ **User Registration:** Allows users to create a new account by entering their email, password, and confirming the password.
- ❖ **Form Validation:** Ensures the passwords match before submission. Displays error messages for incorrect inputs.
- ❖ **Local Storage:** User data is temporarily stored in localStorage for this example.
- ❖ **Navigation:** Redirects users to the Sign-In page after successful registration.



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### Sign Up

  
  
  
Sign Up

Already have an account? [Sign In](#)

Let's Talk



MORENT



### Sign Up

  
  
  
Sign Up

Already have an account? [Sign In](#)

Let's Talk



MORENT

About

Community

Socials

## 19. User Dashboard:

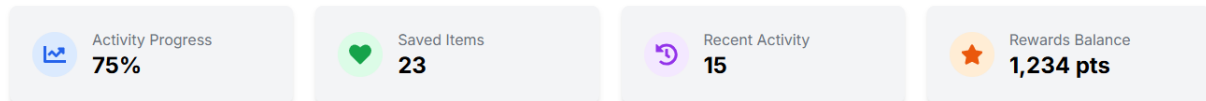
- ❖ **Personalized Overview:** Key stats like activity progress, saved items, and rewards.
- ❖ **Theme Toggle:** Switch between light and dark themes.

## DAY 4: MARKETPLACE BUILDER HACKATHON 2025


- ❖ **Profile Section:** View user details (email, password).
- ❖ **Settings:** Access account, security, and notification settings

### User Dashboard

Welcome back, jack@gmail.com!




### Your Profile




**jack@gmail.com**  
Email: jack@gmail.com  
Password: 00000000


### Settings




**Account Settings**  
Update your account details.

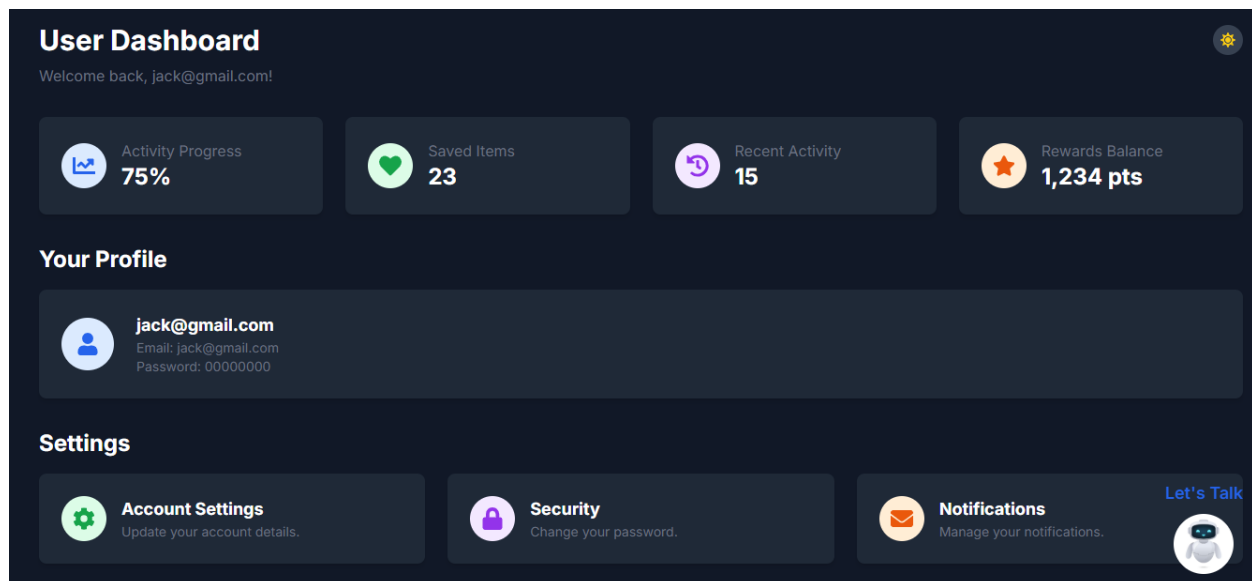


**Security**  
Change your password.



**Notifications**  
Manage your notifications.

[Let's Talk](#)  




## 20. Sign InPage:

- ❖ **User Authentication:** Validates credentials against stored data in localStorage.

## DAY 4: MARKETPLACE BUILDER HACKATHON 2025

- ❖ **Error Handling:** Displays error messages for invalid credentials or missing user data.
- ❖ **Role-Based Navigation:** Redirects to either the user dashboard or admin dashboard based on credentials.
- ❖ **Sign Up Link:** Provides a link to the sign-up page for new users

MORENT



### Sign In

Sign In

Not registered? [Sign Up](#)

#### MORENT

Our vision is to provide convenience and help increase your sales business.

#### About

Analytics Dashboard  
FAQ

#### Community

Gift Card and Voucher  
Subscription

#### Socials

Discord  
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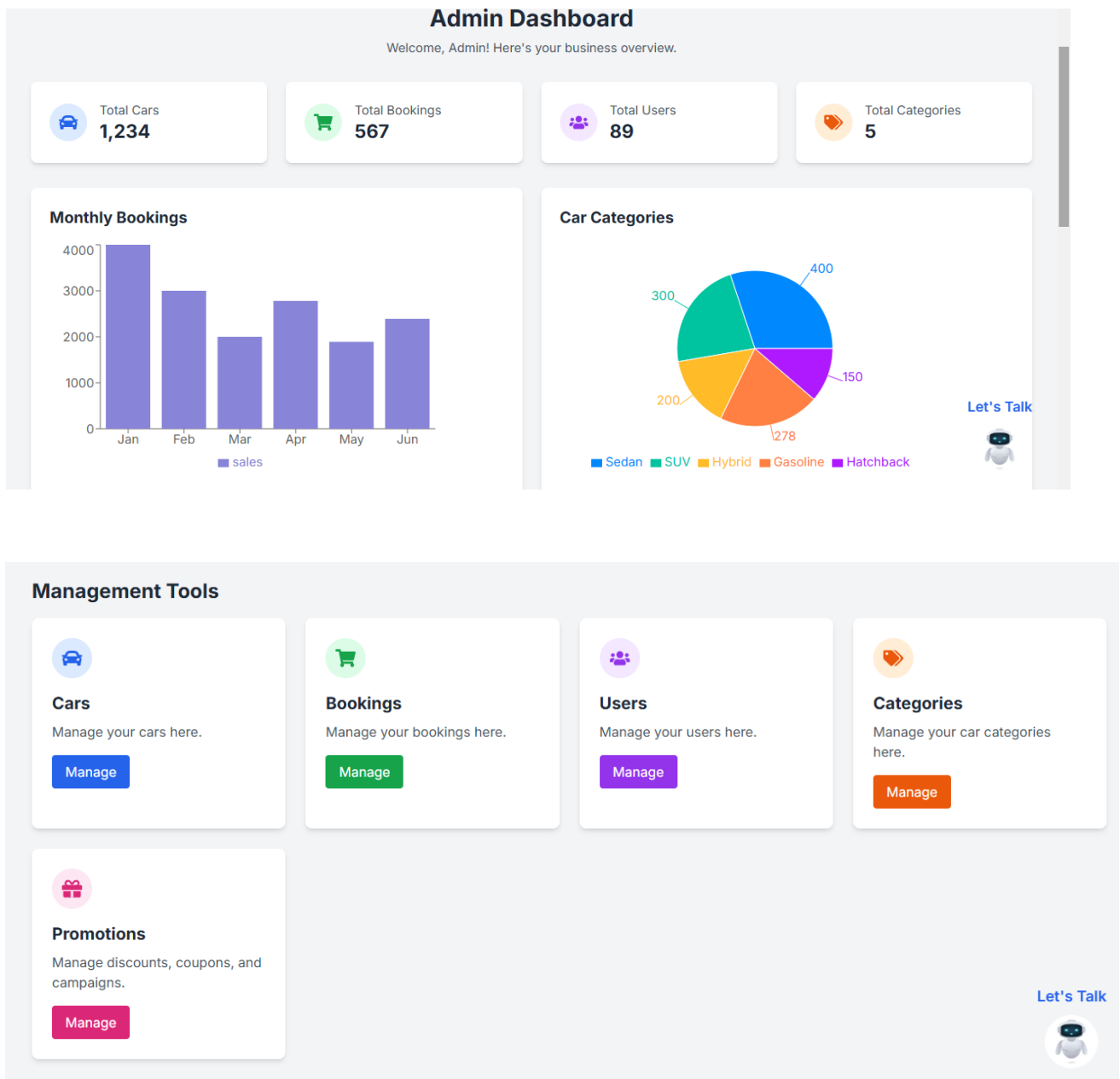
Discord  
Instagram

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## 21. Admin Dashboard:

- ❖ **Overview:** A centralized platform for managing cars, bookings, users, categories, and promotions.
- ❖ **Key Stats:** View total cars, bookings, users, and categories.
- ❖ **Charts:** Visualize sales and car category distribution.
- ❖ **Management Tools:** Easily manage cars, bookings, users, categories, and promotions.
- ❖ **Admin Interaction:** Add, delete, and update promotions and other data.



## DAY 4: MARKETPLACE BUILDER HACKATHON 2025

### Promotions

Manage discounts, coupons, and campaigns.

Manage

### Promotions

#### Summer Sale

Type: Discount  
Code: SUMMER10  
Value: 10% off  
Status: Active



#### Flash Sale

Type: Coupon  
Code: FLASH20  
Value: \$20 off  
Status: Expired



### Cars

#### Toyota Camry

Sedan  
Available  
10% off



#### Honda CR-V

SUV  
Booked  
No discount



#### Toyota Prius

Hybrid  
Available  
15% off



Let's Talk

## Conclusion:

Thank you for reviewing today's report. I hope it offers a clear understanding of the steps and insights gained during **Day 4**, especially regarding working with the API and Sanity. If you have any questions or need further clarification, feel free to reach out!

Prepare By: Areesha Kainat