

# Dynamic Billing Page for a Marketplace

## Project Overview

The goal of this project was to design and implement a dynamic billing page for a marketplace application. The page includes billing information, rental details, and a real-time rental summary section, providing users with a seamless experience.

## Features Implemented

### 1. Billing Information Section

- Input fields for capturing user details like name, phone number, address, and city.
- Responsive and clean design with proper alignment and spacing.

### 2. Rental Information Section

- Pick-Up and Drop-Off details including location, date, and time selection.
- Organized layout with labeled input fields for better user understanding.

### 3. Rental Summary Section

- Displays car details such as name, rating, and reviewer count.
- Summary of charges, including subtotal, tax, and promotional code application.
- Final price dynamically calculated and displayed prominently.

### 4. Confirmation Section

- Checkbox options for marketing consent and agreement to terms and conditions.
- Eye-catching "Rent Now" button for form submission.
- Data security assurance message displayed with an icon.

## Design Highlights

- **Responsive Layout:** The page is fully responsive, ensuring a great user experience across devices.
- **Dynamic Image Handling:** Car images are displayed in a centered position within a rounded background.
- **Modern UI:** Utilized a clean and minimalistic design with soft colors and rounded corners for elements.



## Technologies Used

- **Frontend Framework:** Next.js
- **CSS Framework:** Tailwind CSS for rapid and efficient styling.
- **Image Handling:** Next.js Image component for optimized image rendering.

## Screenshot of Completed Page

MORENT

Search something here

Billing Info

Please enter your billing info

Name

Your name

Phone Number

Phone number

Address

Address

Town / City

Town or city

Rental Info

Please select your rental date

Pick - Up

Location

Select your city

Date

mm/dd/yyyy

Time

Select your time

Drop - Off

Location

Select your city

Date

mm/dd/yyyy

Time

Select your time

Confirmation

We are getting to the end. Just a few clicks and your rental is ready!

☐ I agree with sending marketing and newsletter emails. No spam, promised!

☐ I agree with our terms and conditions and privacy policy.

Rent Now

☒ All your data are safe. We are using the most advanced security to provide you the best experience ever.

Rental Summary

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

Rolls-Royce

★★★★☆ 440+ Reviewer

Subtotal

\$96.00

Tax

\$0

Apply promo code

Apply now

Total Rental Price

Overall price and includes rental discount

\$96.00

MORENT

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

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Facebook

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**Code Snippet Screenshot**

```

use client'
import Image from 'next/image';
import { client } from '../../../../sanity/lib/client';
import { usePathname } from 'next/navigation';
import { useEffect, useState } from 'react';
import Navbar from '../navbar';

function Loader() {
  return (
    <div className="flex items-center justify-center h-screen bg-gray-100">
      <div className="text-center">
        <div className="animate-spin rounded-full h-16 w-16 border-t-4 border-blue-600 border-opacity-75"></div>
        <p className="mt-4 text-lg text-blue-600 font-semibold">Loading, please wait...</p>
      </div>
    </div>
  );
}

const fetchCarDetails = async (id: string) => {
  return await client.fetch`*[_type=="car" && _id == $id][0]{
    transmission,
    name,
    "image":image.asset->url,
    type,
    pricePerDay,
    fuelCapacity,
    seatingCapacity,
    tags,
    _id,
    price
  }
`, { id }};

export default function BillingPage() {
  const pathname = usePathname();
  const [car, setCar] = useState<any>(null);

  useEffect(() => {
    // Extract the ID from the pathname
    const id = pathname.split('/').pop();
    if (id) {
      fetchCarDetails(id).then(setCar);
    }
  }, [pathname]);

  if (!car) {
    return <Loader />
  }

  return (
    <>
      <Navbar />

      <div className="bg-gray-100 p-4 sm:p-8">
        <div className="max-w-7xl mx-auto grid grid-cols-1 lg:grid-cols-3 gap-8">
          { /* Left Column: Billing Info */ }
          <div className="lg:col-span-2 space-y-8">
            { /* Billing Info */ }
          </div>
        </div>
      </div>
    </>
  );
}

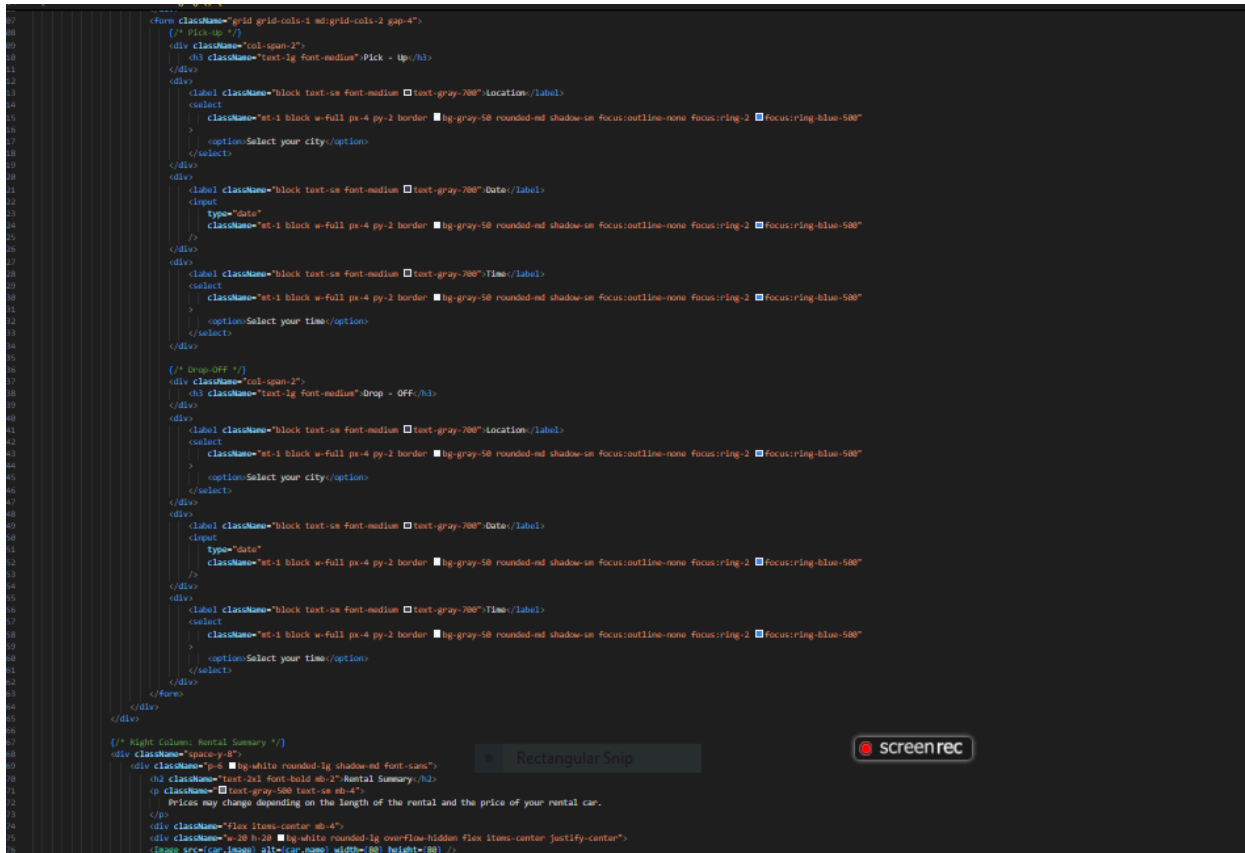
```



```

export default function BillingInfo() {
  return (
    <div className="max-w-7xl mx-auto grid grid-cols-1 lg:grid-cols-3 gap-8">
      { /* Left Column: Billing Info */ }
      <div className="lg:col-span-2 space-y-8">
        { /* Billing Info */ }
        <div className="p-8 bg-white rounded-lg shadow-md">
          <div className="mb-4">
            <h2 className="text-2xl font-bold">Billing Info</h2>
            <p className="text-gray-500">Please enter your billing info.</p>
          </div>
          <form className="grid grid-cols-1 md:grid-cols-2 gap-4">
            <div className="col-span-2 md:col-span-1">
              <label className="block text-sm font-medium text-gray-700">Name</label>
              <input
                type="text"
                placeholder="Your name"
                className="w-full px-4 py-2 border border-gray-50 rounded-md shadow-sm focus:outline-none focus:ring-2 focus:ring-blue-500"
              />
            </div>
            <div className="col-span-2 md:col-span-1">
              <label className="block text-sm font-medium text-gray-700">Phone Number</label>
              <input
                type="tel"
                placeholder="Phone number"
                className="w-full px-4 py-2 border border-gray-50 rounded-md shadow-sm focus:outline-none focus:ring-2 focus:ring-blue-500"
              />
            </div>
            <div className="col-span-2">
              <label className="block text-sm font-medium text-gray-700">Address</label>
              <input
                type="text"
                placeholder="Address"
                className="w-full px-4 py-2 border border-gray-50 rounded-md shadow-sm focus:outline-none focus:ring-2 focus:ring-blue-500"
              />
            </div>
            <div className="col-span-2">
              <label className="block text-sm font-medium text-gray-700">Town / City</label>
              <input
                type="text"
                placeholder="Town or city"
                className="w-full px-4 py-2 border border-gray-50 rounded-md shadow-sm focus:outline-none focus:ring-2 focus:ring-blue-500"
              />
            </div>
          </form>
        </div>
        { /* Rental Info */ }
        <div className="p-8 bg-white rounded-lg shadow-md">
          <div className="mb-4">
            <h2 className="text-2xl font-bold">Rental Info</h2>
            <p className="text-gray-500">Please select your rental date.</p>
          </div>
          <form className="grid grid-cols-1 md:grid-cols-2 gap-4">
            { /* Pick-Up */ }
            <div className="col-span-2">
              <div className="text-lg font-medium">Pick - Up</div>
              <div>
                <label className="block text-sm font-medium text-gray-700">Location</label>
                <select
                  className="w-full px-4 py-2 border border-gray-50 rounded-md shadow-sm focus:outline-none focus:ring-2 focus:ring-blue-500"
                >
                  <option>Select your city</option>
                </select>
              </div>
              <div>
                <label className="block text-sm font-medium text-gray-700">Date</label>
                <input
                  type="date"
                  className="w-full px-4 py-2 border border-gray-50 rounded-md shadow-sm focus:outline-none focus:ring-2 focus:ring-blue-500"
                />
              </div>
            </div>
          </form>
        </div>
      </div>
    </div>
  );
}

```





## 1. Challenges Faced and Solutions

### 2. Aligning the Rental Summary Section:

- Initially, it appeared below the billing information.
- Solution: Utilized CSS grid to position the summary section to the right of the billing info.

### 3. Centering Images in Backgrounds:

- The car image appeared at the top of the background.
- Solution: Applied Flexbox to center the image both vertically and horizontally.

### 4. Implementing a Loading State:

- A simple "Loading..." message was replaced with a visually appealing animated loader.

## Conclusion

The final implementation successfully meets the project requirements and provides users with a visually appealing and functional billing page. This task showcases expertise in modern frontend development and UI design, ensuring a user-friendly experience.

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