

Technology Stack

Framework: Next.js

A React-based framework that enables server-side rendering (SSR) and static site generation (SSG), perfect for building high-performance and SEO-friendly applications.

- UI Library: shadcn/UI
 - Provides pre-built, customizable UI components that work seamlessly with Tailwind CSS.
- Styling Framework: Tailwind CSS
 A utility-first CSS framework for fast and responsive design.

Pages to Create

Home Page

- •Features: Display promotional banners, featured products, and categories.
- Libraries/Features to Use:
- •shadon/ui components like Card, Button, and Carousel.
- •Tailwind CSS for responsive design.

Steps to create page

Product Listing Page

- •shadon/ui components like Select, Input, and Grid.
- •Use dynamic routes (pages/products/[category].tsx) for category-based listing.

Product Details Page

- •shadcn/ui components like Modal, Carousel, and Tabs.
- •Image optimization using Next.js <mage> component.

Cart Page

- •shadcn/ui components like Table and Badge.
- •Persist cart data in localStorage or context.

Checkout Page

- •shadon/ui components like Form and Input.
- •Integrate a payment gateway like **Stripe**.

Rental Listing Page

- •Dynamic routes (pages/rentals/[id].tsx) for individual helicopter details.
- •shadcn/ui components like Card and Filter.

Rental Details Page

•shadcn/ui components like Modal and Accordion.

Rental Cart Page

•shadon/ui components for form handling and summary display.

Sanity CMS

Schema Design for Data Management

Product Schema

example

```
export default {
    name: 'product',
    type: 'document',
    fields: [
      { name: 'name', type: 'string', title: 'Product Name' },
      { name: 'price', type: 'number', title: 'Price' },
      { name: 'stock', type: 'number', title: 'Stock Level' },
      { name: 'description', type: 'text', title: 'Description' },
      { name: 'image', type: 'image', title: 'Product Image' }
    ]
```

Schema Design for Data Management

Rental
Schema

example

```
export default {
 name: 'rental',
 type: 'document',
 fields: [
   { name: 'name', type: 'string', title: 'Gift Name' },
   { name: 'rentalPrice', type: 'number', title: 'Rental Price per Hour' },
    name: 'availability', type: 'boolean', title: 'Availability' },
    name: 'description', type: 'text', title: 'Description' },
    name: 'image', type: 'image', title: ' Image' },
    name: 'rentalTerms', type: 'text', title: 'Rental Terms' }
```

Schema Design for Data Management

Customer Schema

example

```
export default {
    name: 'customer',
    type: 'document',
    fields: [
        { name: 'name', type: 'string', title: 'Customer Name' },
        { name: 'email', type: 'string', title: 'Email Address' },
        { name: 'address', type: 'string', title: 'Shipping Address' }
    ]
};
```

Schema Design for Data Management

Order Schema

example

```
export default {
    name: 'order',
    type: 'document',
    fields: [
        { name: 'customer', type: 'reference', to: [{ type: 'customer' }], title: 'Customer' },
        { name: 'products', type: 'array', of: [{ type: 'reference', to: [{ type: 'product' }] }], title:
        'Products' },
        { name: 'total', type: 'number', title: 'Total Amount' },
        { name: 'status', type: 'string', title: 'Order Status' }
        ]
    };
```

Schema Design for Data Management

Rental Order Schema

example

```
export default {
    name: 'rentalOrder',
    type: 'document',
    fields: [
        { name: 'customer', type: 'reference', to: [{ type: 'customer' }], title: 'Customer' },
        { name: 'gift', type: 'reference', to: [{ type: 'rental' }], title: 'Gift' },
        { name: 'rentalDuration', type: 'number', title: 'Rental Duration (Hours)' },
        { name: 'total', type: 'number', title: 'Total Amount' },
        { name: 'status', type: 'string', title: 'Rental Order Status' }
    ]
};
```

Third-Party APIS

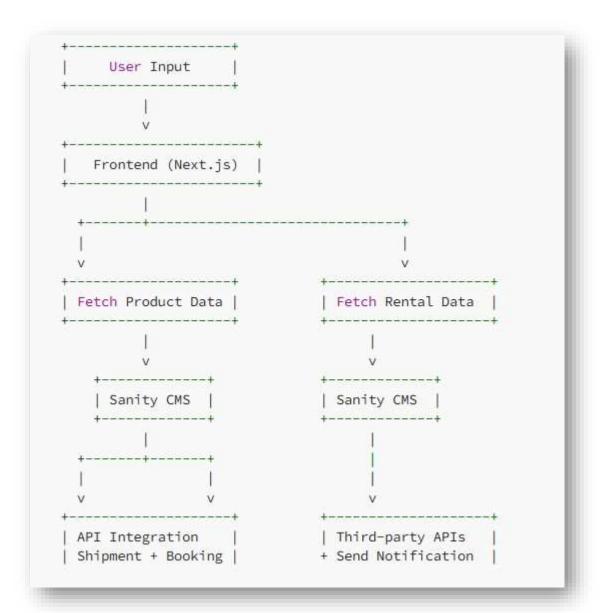
Requirements

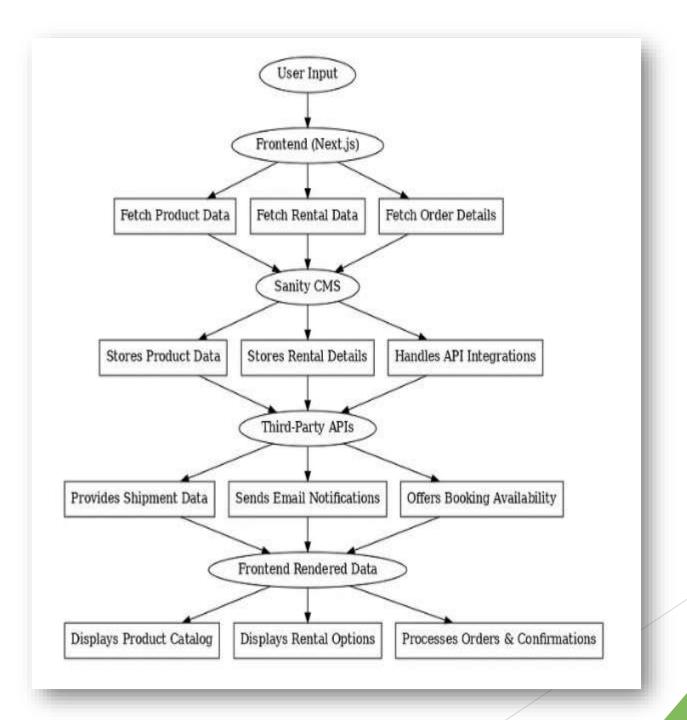
example

- > Payment Gateway API: For secure transaction processing.
- > **Shipment Tracking API**: To provide real-time shipment updates.
- **Email Notification API**: For sending order confirmations.
- **Booking Availability API**: To check gift rental availability.

System Architecture Design

Diagram





API Endpoints Plan

Planning

Route

/products (GET)

- •Description: Fetch all product details.
- •Response Example:



Examples

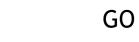
```
"id": "1",
    "name": "gift item",
    "price": 20.0,
    "stock": 50
}
```

To be continue

Route

/rentals (GET)

- •Description: Fetch all available rental gift items.
- •Response Example:



Examples

To be continue

Route

/orders (POST)

- •Description: Save new order details.
- •Request Example:

GO

Examples

```
{
    "customerId": "786",
    "products": ["1", "2"],
    "total":90.0,
}
```

To be continue

Route

/rentalOrders (POST)

- •Description: Save new rental booking details.
- •Request Example:

GO

Examples

```
"orderld": "123",
"status": "In Transit"
}

{
  "customerld": "786",
  "giftitemId": "1",
  "rentalDuration": 5,
  "total": 2500
}
```

To be continue

Route

/shipment (GET)

- •Description: Fetch the shipment status for an order.
- •Response Example:



Examples

```
{{
"orderId": "123",
"status": "In Transit"
}
```

To be continue



Thank you so much For watching my repo



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Connected with

Engr Sir Abdul Rehman Ansari(official web developer working at the Academy School near Zia Uddin hospital main campus)











Special Thanx To









Allah Hafiz Take care of yourselves