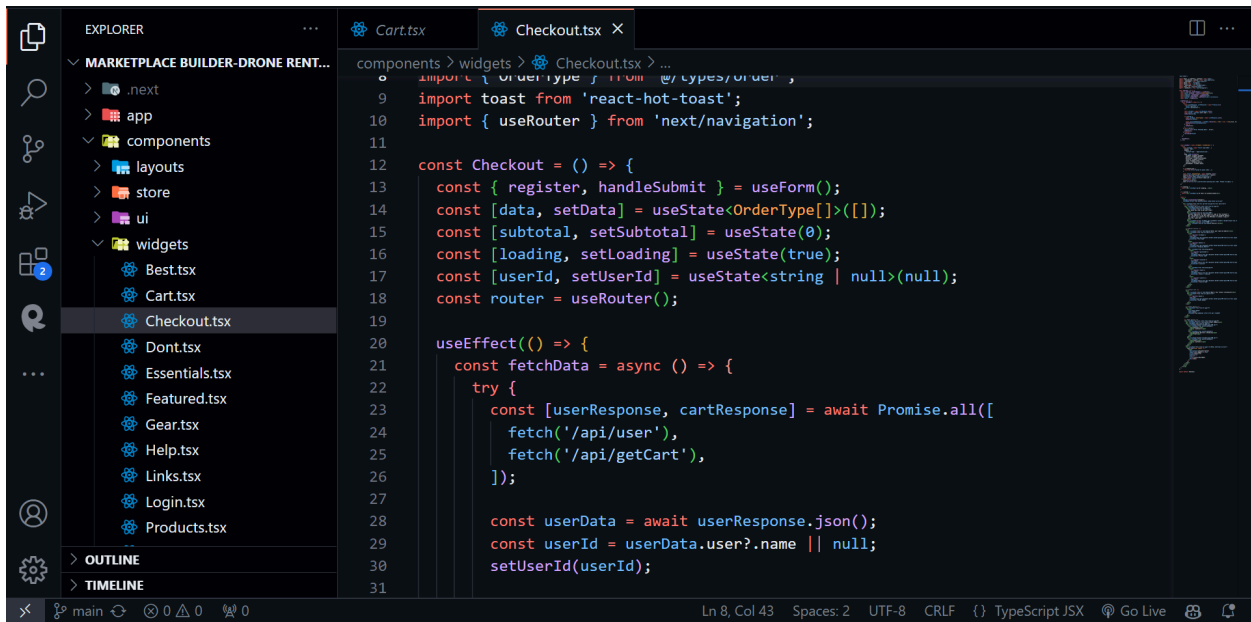


Shipment and Tracking with Ship Engine API

1. Attached Add To cart:

- I added Add to Cart functionality to the application with Ship Engine Shipment and Tracking Flow.

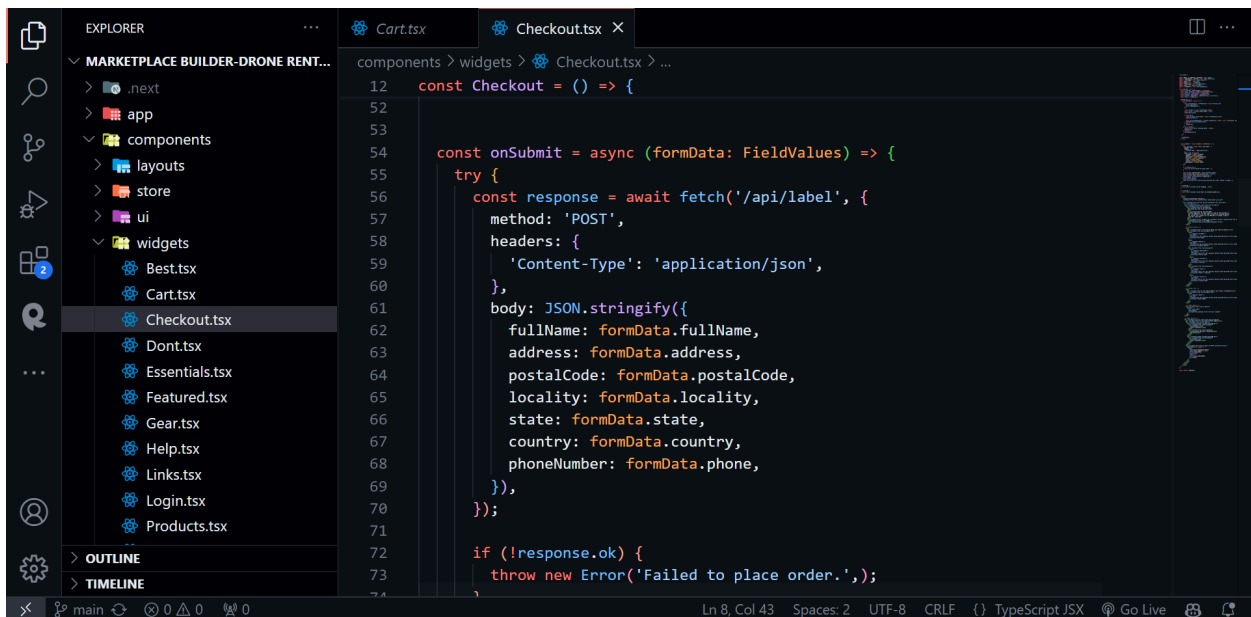


```
components > widgets > Checkout.tsx > ...
import { OrderType } from '@types/order';
import toast from 'react-hot-toast';
import { useRouter } from 'next/navigation';

const Checkout = () => {
  const { register, handleSubmit } = useForm();
  const [data, setData] = useState<OrderType[]>([]);
  const [subtotal, setSubtotal] = useState(0);
  const [loading, setLoading] = useState(true);
  const [userId, setUserId] = useState<string | null>(null);
  const router = useRouter();

  useEffect(() => {
    const fetchData = async () => {
      try {
        const [userResponse, cartResponse] = await Promise.all([
          fetch('/api/user'),
          fetch('/api/getCart'),
        ]);


        const userData = await userResponse.json();
        const userId = userData.user?.name || null;
        setUserId(userId);
      } catch (error) {
        console.error('Error fetching user data:', error);
      }
    };
    fetchData();
  }, []);
};
```




```
components > widgets > Checkout.tsx > ...
const Checkout = () => {
  // ... (previous code) ...

  const onSubmit = async (formData: FieldValues) => {
    try {
      const response = await fetch('/api/label', {
        method: 'POST',
        headers: {
          'Content-Type': 'application/json',
        },
        body: JSON.stringify({
          fullName: formData.fullName,
          address: formData.address,
          postalCode: formData.postalCode,
          locality: formData.locality,
          state: formData.state,
          country: formData.country,
          phoneNumber: formData.phone,
        }),
      });


      if (!response.ok) {
        throw new Error('Failed to place order.');
```


Find a Store | Help | Welcome, Haris Haider


Home New & Featured Contact Us

How would you like to get your order?

Customs regulation for India require a copy of the recipient's KYC. The address on the KYC needs to match the shipping address. Our courier will contact you via SMS/email to obtain a copy of your KYC. [Learn More](#)

 Deliver It

Enter your name and address:

Full Name

Shipping Address

Postal Code


Locality

State / Province

Country Name

Order Summary

Subtotal	₹ 26085
Estimated Delivery & Handling	Free
Total	₹ 26085



Nike Air Force 1 PLT.AF.ORM

The Nike Air Force 1
PLT.AF.ORM...

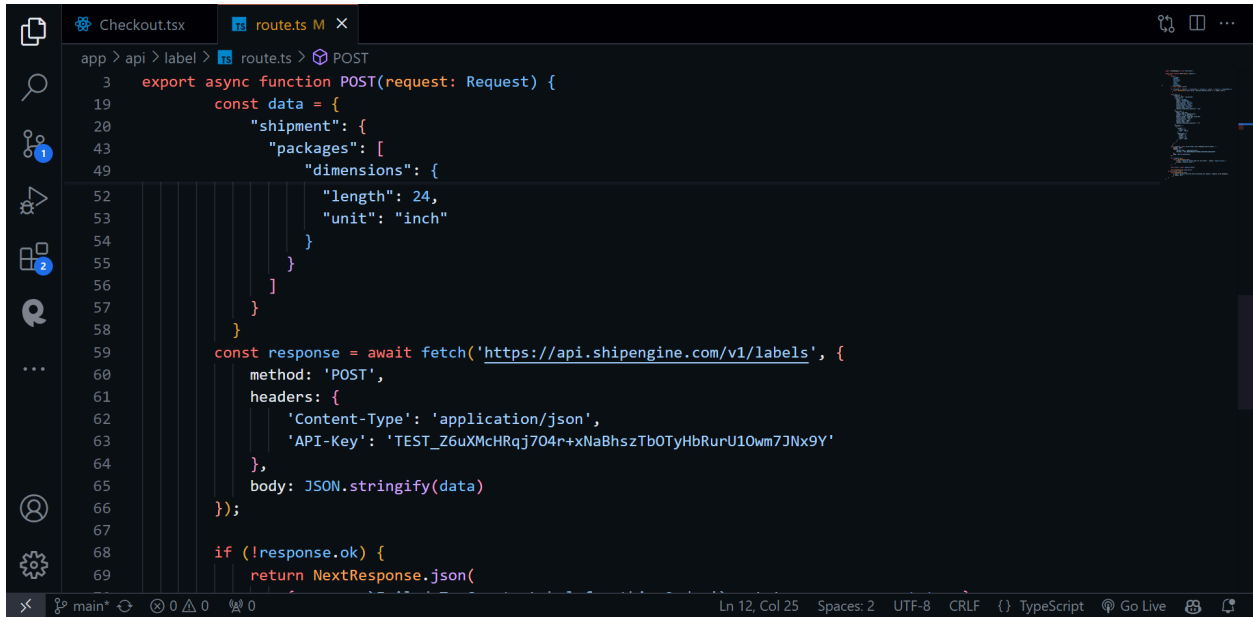
₹ 26085

2. API To Create a Ship Engine Label:

- Created an API that will create a label in the ship engine, taking user inputs like name, address, email, phone packages etc.
- Basically, this API is sending a POST request to this url <https://api.shipengine.com/v1/labels> with all inputs from the user.

```

Checkout.tsx  route.ts M X
app > api > label > POST
1 import { NextResponse } from "next/server";
2
3 export async function POST(request: Request) {
4   try {
5     const {
6       fullName,
7       address,
8       postalCode,
9       locality,
10      state,
11      country,
12      phoneNumber,
13    } = await request.json();
14
15    if (!fullName || !address || !postalCode || !locality || !state || !country || !phoneNumber) {
16      return NextResponse.json({ error: 'Missing required fields' }, { status: 400 });
17    }
18
19    const data = {
20      "shipment": {
21        "service_code": "ups_ground",
22        "ship_to": {
23          "name": fullName,
24          "address": address,
25          "postal_code": postalCode,
26          "locality": locality,
27          "state": state,
28          "country": country,
29          "phone_number": phoneNumber,
30        },
31      },
32    };
33
34    // Send POST request to Ship Engine API
35    const response = await fetch('https://api.shipengine.com/v1/labels', {
36      method: 'POST',
37      headers: {
38        'Content-Type': 'application/json',
39      },
40      body: JSON.stringify(data),
41    });
42
43    const labelData = await response.json();
44    return NextResponse.json(labelData, { status: 200 });
45  } catch (error) {
46    console.error('Error creating label:', error);
47    return NextResponse.json({ error: 'Internal server error' }, { status: 500 });
48  }
49 }
  
```



```
app > api > label > route.ts > POST
3  export async function POST(request: Request) {
19    const data = {
20      "shipment": {
43        "packages": [
49          "dimensions": {
52            "length": 24,
53            "unit": "inch"
54          }
55        ]
56      }
57    }
58  }
59  const response = await fetch('https://api.shipengine.com/v1/labels', {
60    method: 'POST',
61    headers: {
62      'Content-Type': 'application/json',
63      'API-Key': 'TEST_Z6uXMchRqj704r+xNaBhszTb0TyHbRurU10wm7JN9Y'
64    },
65    body: JSON.stringify(data)
66  });
67
68  if (!response.ok) {
69    return NextResponse.json(
```

3. Shipment Details & Tracking Option:

- After checking out or placing an order successfully, the user will be redirected to the success page where shipment details will be shown with a tracking option.
- But, I am using a free Ship Engine Account so I can't track a shipment because label id is not valid.

Shippment Details

#se-19457675

Here you can see all your shippment details along with track to track your parcel.

Full Name:

Phone Number:

Ship To:

Haris Haider

+92 318 2454773

Karachi, US

Full Address:
House No z/143 Street No 2 Kalapul Chanesar Goth

Packages:
1. ID: 15879095 Weight: 20 ounce

Download Invoice

Track Shippment

4. Shipment Invoice Download:

- Users can download an invoice of a shipment that will be in pdf format.

