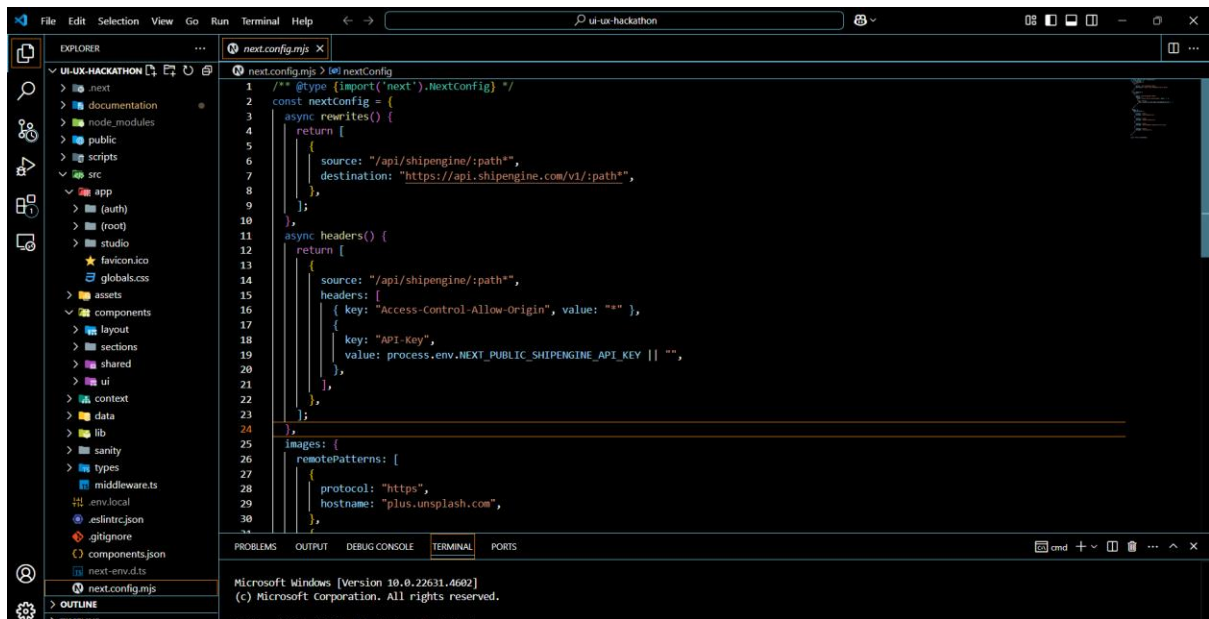


Day 7: Shipment and Tracking with ShipEngine API

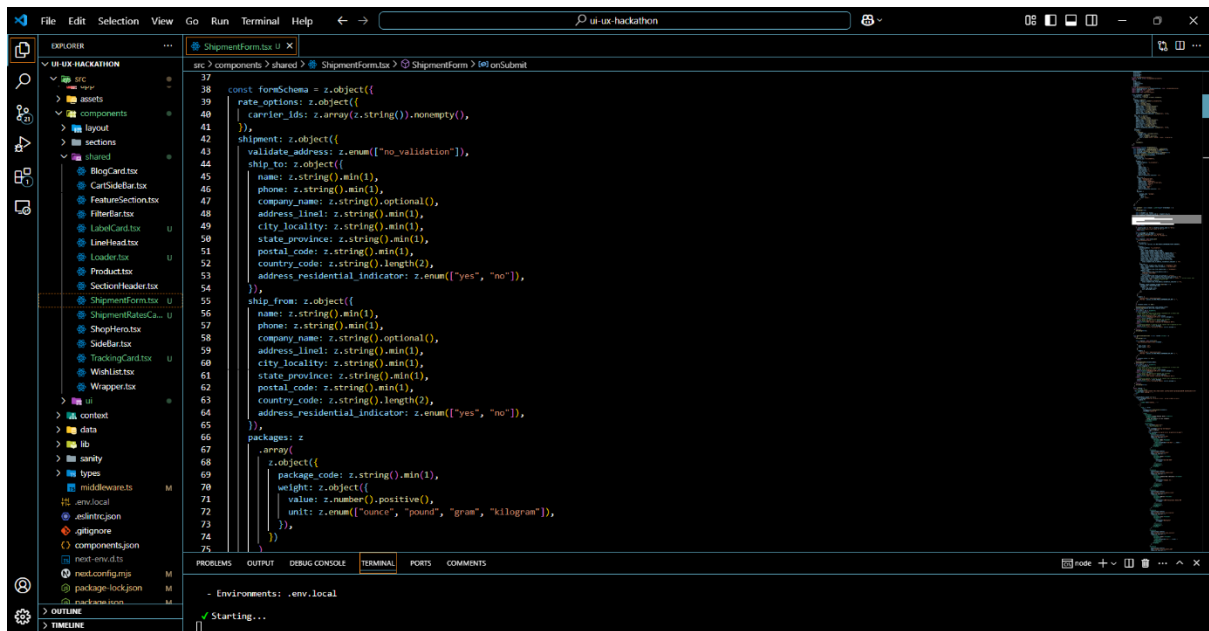
Step 1: Configure Next.js

- Configured Next.js to redirect API requests from the app to the ShipEngine API.
- This setup proxies external API calls through the Next.js server for enhanced security and flexibility.



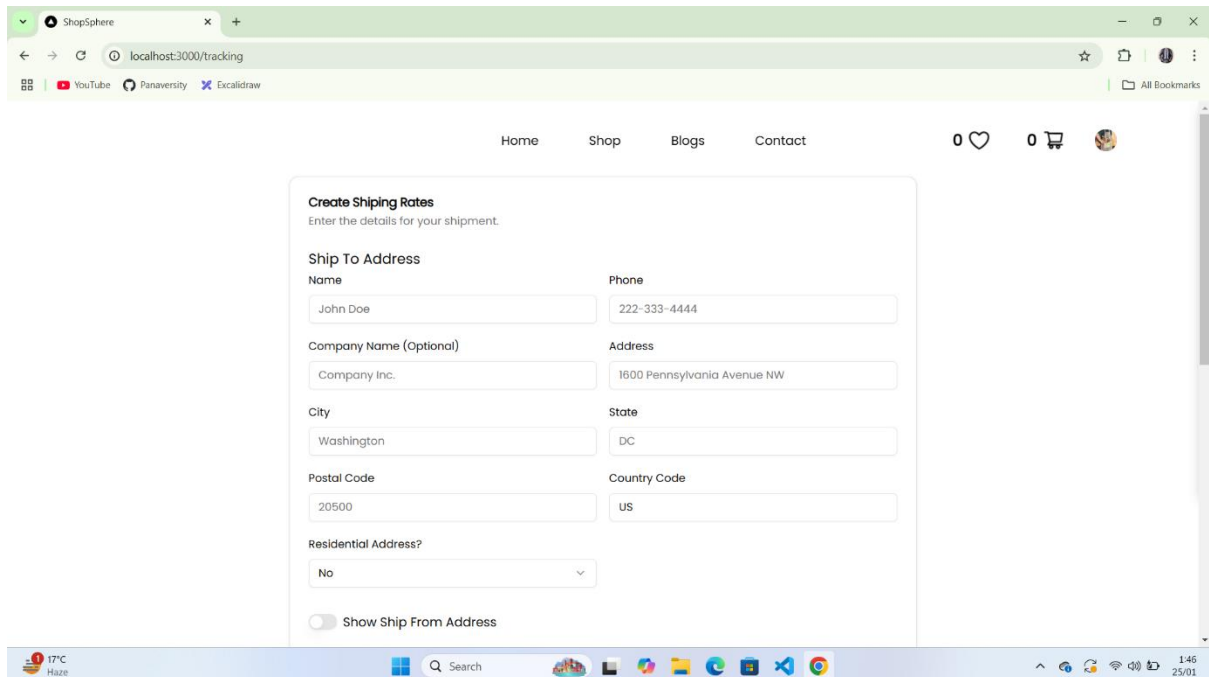
Step 2: Create Form Schema

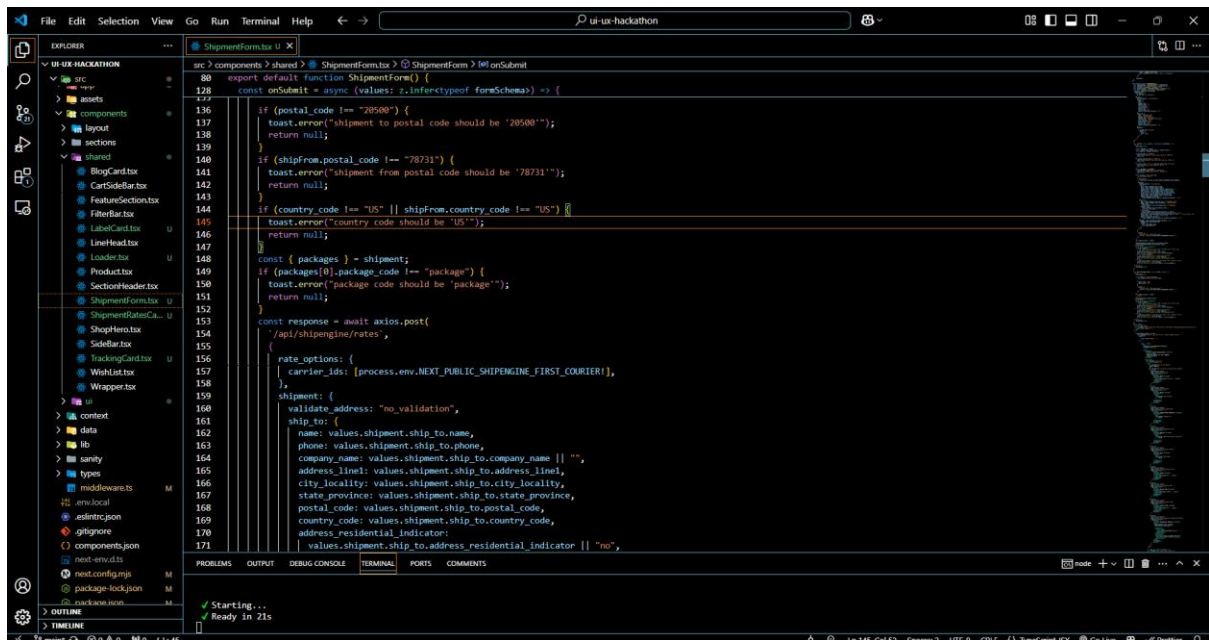
- Designed a schema to collect shipment details, including:
 - Sender's address
 - Recipient's address
 - Package weight and dimensions
 - Shipping options



Step 3: Fetch Shipping Rates

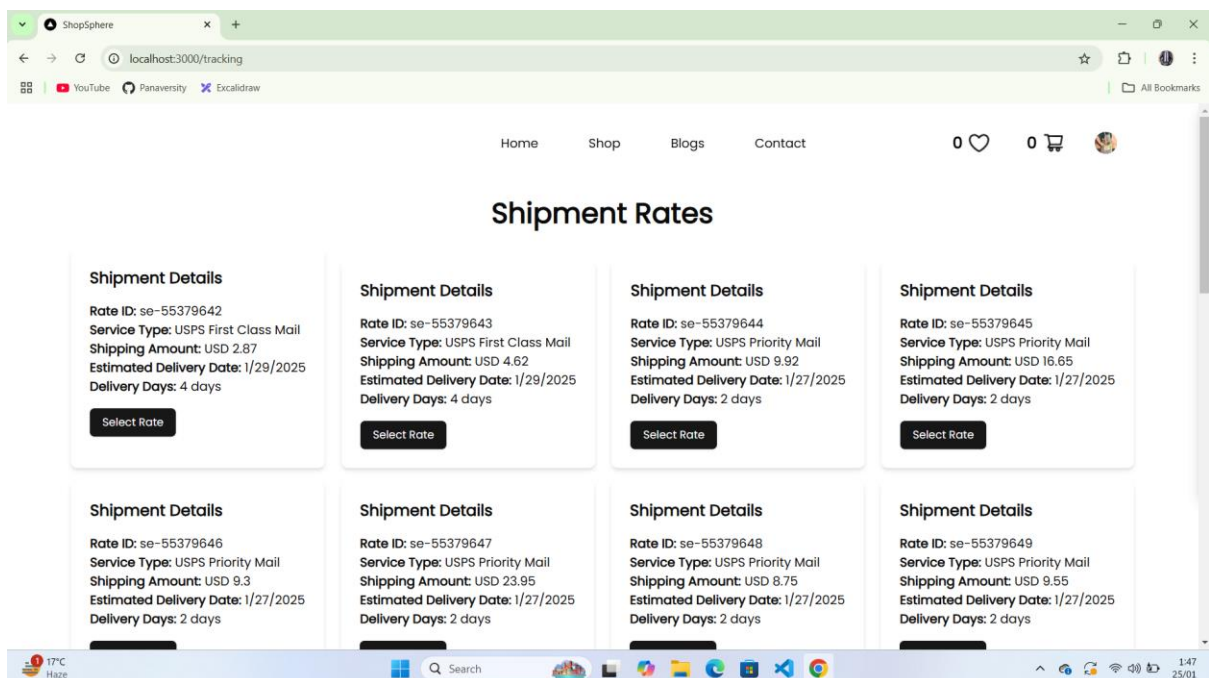
- Integrated the ShipEngine API to fetch shipping rates based on the shipment information provided in the form.
- Included the following parameters in the API call:
 - Origin and destination addresses
 - Package weight and dimensions





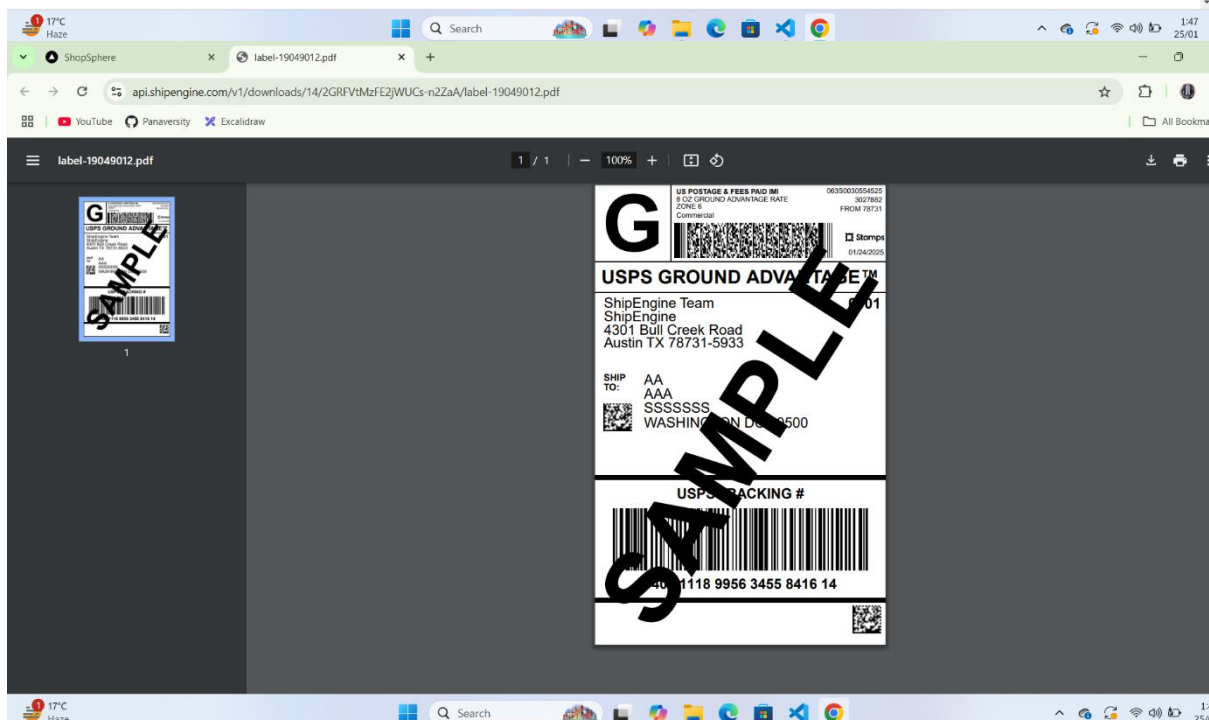
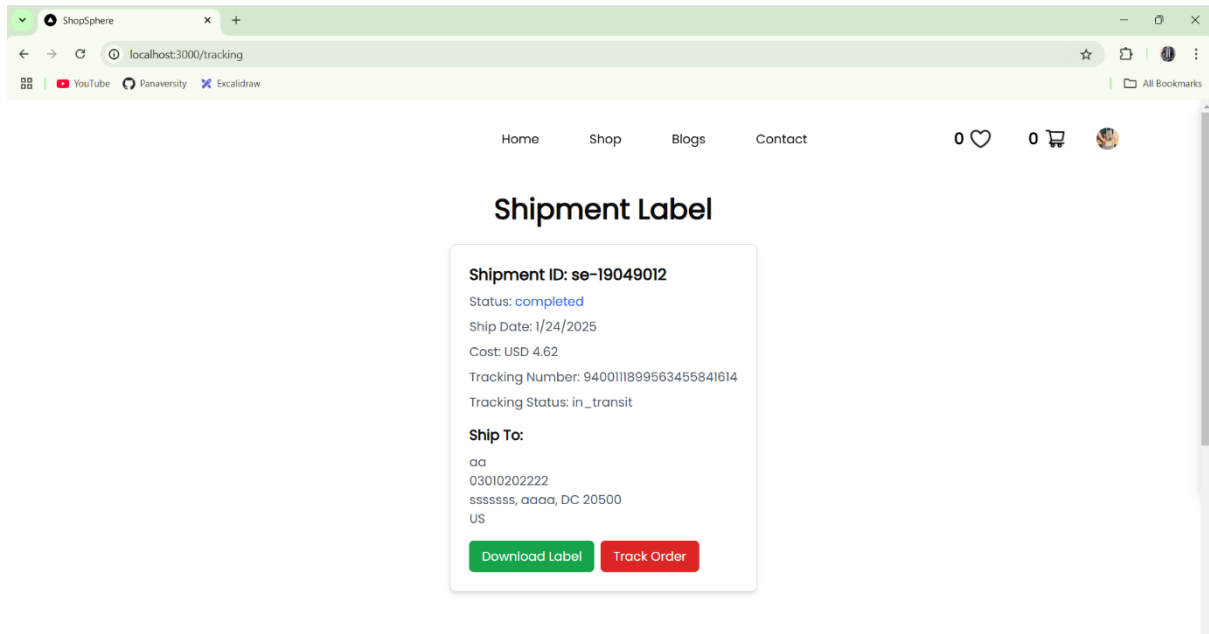
Step 4: Display Shipping Rates

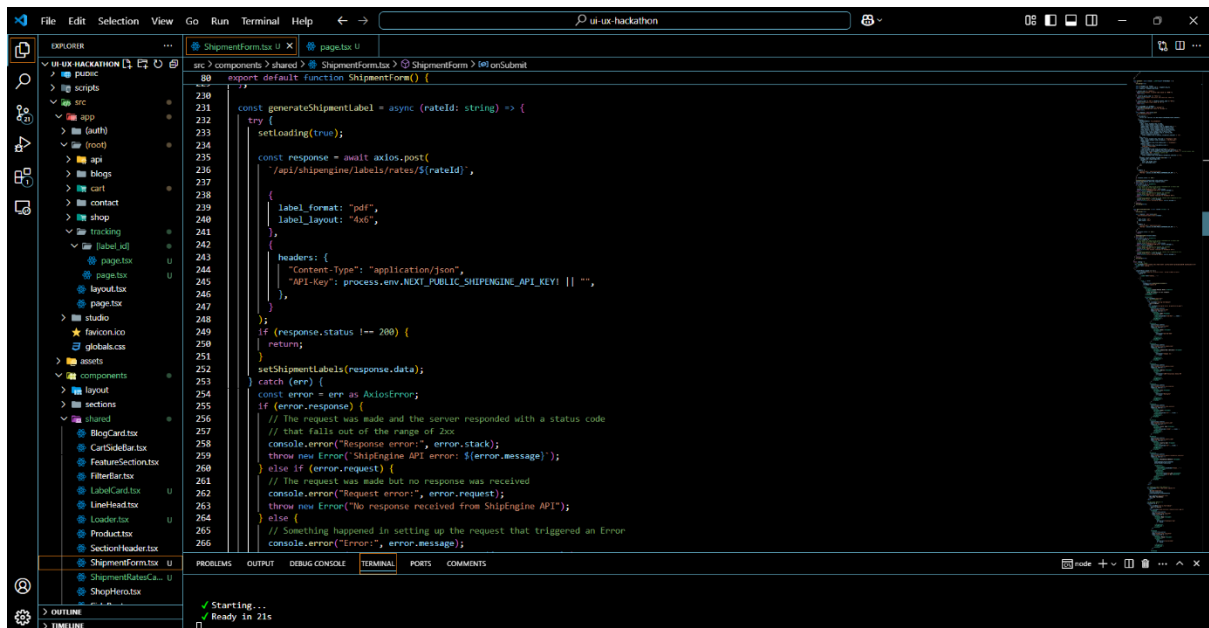
- Parsed the response from the ShipEngine API to display multiple shipping rate options in a user-friendly format.
- Included the carrier name, estimated delivery time, and cost for each option.



Step 5: Generate Shipping Label

- Integrated the ShipEngine API to generate a shipping label upon selecting a shipping rate.
- The label generation process includes:
 - Validating the shipping rate
 - Generating and downloading the shipping label in PDF format





Step 6: Order Tracking

- Used the ShipEngine API to implement order tracking functionality.
- Users can track their shipment status by entering the tracking number provided after label generation.
- Displayed real-time tracking updates, including shipment location and delivery status.

