



Pack-Man: Package Management

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Pack-Man: Package Management

- Efficiently manage and track your packages!
- **Shipment Creation:** Users can create shipments and provide package details.
- **Quotation Generation:** Get cost estimations based on package dimensions and distance.
- **Package Tracking:** Both admins and customers can track packages with unique tracking IDs.
- **Admin & User Dashboards:** Separate interfaces for administrative tasks and customer activities.

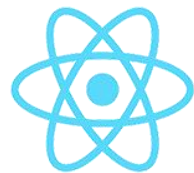


Tech Stack Used



express
node 

 mongoDB



React



API Implementation



1. Authentication Endpoints:

- Allows both customers and admins to log in.

2. Customer Services:

- Register a new user (customer or admin).
- Create a new shipment.
- Fetch a quotation for a shipment based on package details.
- Fetch tracking details for a specific shipment.
- Update customer profile information.

3. Admin Access:

- Update details of a specific shipment.
- Cancel a shipment delivery request.
- Update the status of a shipment.

Web Design Presentation

Home

Login

SignUp

Dashboard

TrackShipment

MyShipment

GetQuote

MyProfile

Welcome

NotFound

Home page

- the **Home** component serves as a landing page for a package management application, adapting its display based on user authentication and offering navigation and informational features to facilitate user interaction with the application.
- **Functionalities/Features:**
- **User Authentication Check**
 - The page tailors its display according to whether a user is logged in or not. This is mainly controlled by the **isLoggedIn** variable that fetches its value from the browser's local storage.
- **Login/Logout**
 - Users can log out of the application. On clicking the Logout button, the user's logged-in status is removed from local storage and they are redirected to the homepage.
 - If not logged in, users are prompted with a Login button to navigate to the login page.
- **Signup and Profile Access**
 - New users can sign up through the **Signup** button.
 - Logged-in users can view their profile by clicking the person icon button.
- **Navigation (for Logged-in Users)**
 - A navigation bar appears only when users are logged in, offering various functionalities like viewing the dashboard, checking their shipments, getting package quotations, and tracking their shipments.
- **Dynamic Route Rendering**
 - The **<Outlet />** component will render different components or pages based on the current route. This means the main content area of the page is dynamic and changes as users navigate through different sections of the application.
- **Information Display**
 - A descriptive **Alert** provides information about the application's capabilities and offerings.

Login and Signup page

- Login UI Structure:
 - A main Container wraps the entire login component.
 - The header "Login" introduces the form.
 - The form collects two pieces of data: username and password.
 - A button labeled "Login" exists to trigger the login action.
- Signup UI Structure:
 - Similar to the login component, a main Container wraps the entire signup form.
 - A header "Sign Up" precedes the form.
 - The form collects four pieces of data: username, password, confirmPassword, and role (with a dropdown for the user to select either 'User' or 'Admin').
 - A button labeled "Sign Up" is used to trigger the sign-up process.

Dashboard page

- **UI Structure:**
 - The dashboard is wrapped in a container.
 - There's an image on the left and a list of shipment tracking IDs on the right.
 - Below the image, there's a button to create a new shipment and a search bar to search for shipments by their tracking ID.
 - On the right side (below the list of shipments), there are external links for navigation: Dashboard, My Shipments, Get Quote, and Track Shipment.
- **Functionalities/Features:**
 - **List of Shipments:** It displays a list of existing shipments using their tracking IDs from the static **shipmentsData**.
 - **Creation of Shipments:** By clicking the "Create New Shipment" button, a modal opens allowing users to input shipment details.
 - **Search for Shipments:** There's a structure in place for users to search shipments by their tracking IDs.
 - **Navigation Links:** Links are provided for users to navigate to different parts of the application: Dashboard, My Shipments, Get Quote, and Track Shipment.

TrackShipment page

- this component allows a user to select a shipment from the list, check its status, or modify its details. The progress bar provides a visual representation of the shipment's status.

• UI Structure

- The page layout is structured using a **Container** with a **Row** that consists of two columns:
- **My Shipments List** (left side):
 - Contains a list of shipments (**trackingIds**). Clicking on a shipment item makes it the active shipment and displays its tracking form on the right side.
- **Track Shipment Form** (right side):
 - When a shipment is selected, a form appears with the shipment's tracking ID displayed and three buttons: "Cancel", "Submit", and "Modify".
 - If the "Modify" button is clicked, a new form appears allowing the user to update the shipment's status, cost, duration, and service type. There's also an "Update" button in this form.
 - Below the forms, if a shipment's status is submitted, a card appears showing the package status along with a visual progress bar representation.

MyShipment page

- this is a straightforward shipment listing and detail display UI, where the user can see a list of shipments and select one to view its details.
 - **UI Structure:**
 - **Main Wrapper:** A Bootstrap **Container** holds all the content.
 - **Left Column:** Contains a list of shipments titled "My Shipments". Each shipment displays its **trackingId** and, when clicked, shows its details in the right column.
 - **Right Column:** Displays details of a selected shipment, including its Tracking ID, Cost, Travel Time, Status, and other details.
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- **Functionalities:**
 - **State:** Manages the currently selected shipment using the **useState** hook.
 - **Shipment Selection:** A click handler sets the selected shipment based on its ID.
 - **Dynamic Display:** Details of the shipment are shown only when a shipment is selected.
 - **Styling:** Uses both Bootstrap styles and custom styles from **'./my-shipments.scss'**.

GetQuote

- The GetQuotation component provides a user interface for calculating shipping quotations. Users can select the type of package and input its weight. Upon clicking the "Calculate Quotation" button, the page computes and displays a breakdown of costs in a structured table format, including the base cost, taxes, delivery charges, and the total cost.

MyProfile page

- The **MyProfile** that provides a form for users to update their profile information. The form lets users change their username and password.

Form:

- **Username Field:** Allows users to input a new username.
- **New Password Field:** Allows users to input a new password (must be 7 characters).
- **Confirm New Password Field:** Allows users to confirm their new password.
- **Save Changes Button**

Welcome page

- **UI Structure:**
- **Main Layout:** The main layout consists of a row divided into two columns.
 - **Left Column (Carousel):**
 - Contains a **Carousel** component showcasing three images with their respective captions.
 - Image 1: Emphasizes safety with caption "Safe. Send your package safely."
 - Image 2: Focuses on security with caption "Secure. Secure your package."
 - Image 3: Speaks about convenience with caption "Convenient. Easy help right at your doorstep."
 - **Right Column (Information & Members):**
 - **Top Info Alert:**
 - Provides a brief about the application's tech stack and functionalities, mentioning the use of a REST API, ExpressJS, NodeJS, MongoDB, and MongooseAPI.
 - Contains two buttons for logging in or signing up to the application.
 - **Bottom Info Alert:**
 - Lists the members who designed and created the app.
 - The list is provided as a table, showcasing the name, university ID, and a link to the GitHub profile of each member.

NotFound page

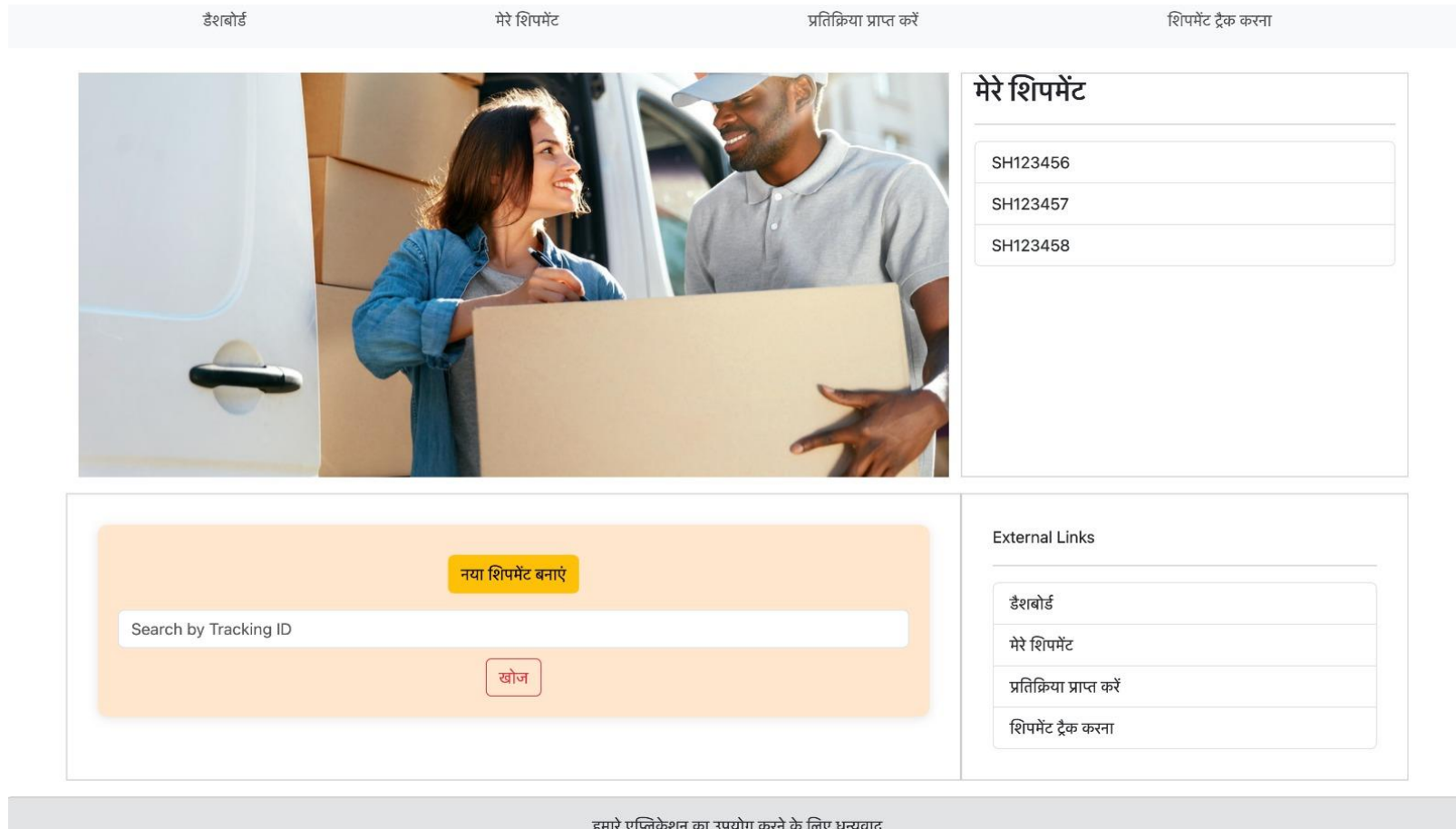
- **UI Structure:**
- **Main Layout:** The main content is wrapped inside a **Container** which has a **Row** containing a single **Col** (column).
- **Alert Box:**
 - This is an alert of variant 'warning' that displays an error message indicating that the link does not exist.
 - Below the main error message, it informs the user that they will be redirected to the homepage in a specific number of seconds (which counts down).
 - It also provides a link for the user to manually navigate back to the homepage if they choose not to wait.

Application Screenshots

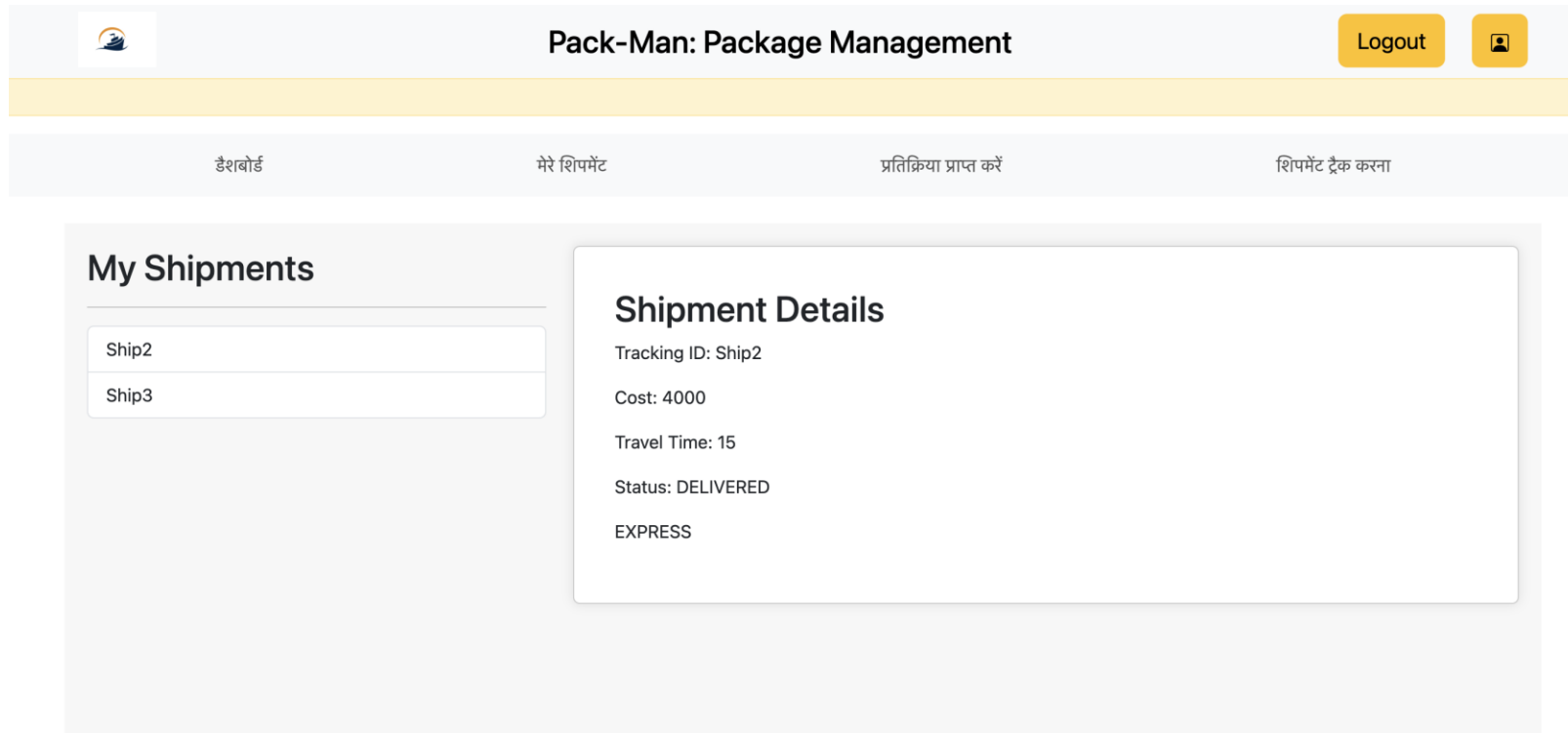
The screenshot displays a web application interface. At the top, there is a navigation bar with four items: 'डैशबोर्ड', 'मेरे शिपमेंट', 'प्रतिक्रिया प्राप्त करें', and 'शिपमेंट ट्रैक करना'. Below this, the main content area is a light gray rectangle. In the center of this area is a white login form. The form has a title 'लॉग इन करें' and two input fields: 'नाम' (Name) with a placeholder 'Enter username' and 'पासवर्ड' (Password) with a placeholder 'Password'. A blue button labeled 'लॉग इन करें' is positioned at the bottom of the form.

डैशबोर्ड	मेरे शिपमेंट	प्रतिक्रिया प्राप्त करें	शिपमेंट ट्रैक करना
<div><h3>लॉग इन करें</h3><p>नाम</p><input type="text" value="Enter username"/><p>पासवर्ड</p><input type="password" value="Password"/><p>लॉग इन करें</p></div>			



Application Screenshots



Application Screenshots



Application Screenshots

 Pack-Man: Package Management Logout 

डैशबोर्ड

मेरे शिपमेंट

प्रतिक्रिया प्राप्त करें

शिपमेंट ट्रैक करना

Get Quotation

Package Type

Food

Weight (kg)

17

Calculate Quotation

Details	Amount
Base Cost	\$120.00
Taxes	\$12.00
Delivery Charge	\$34.00
Total Cost	\$166.00

Application Screenshots

The screenshot displays the 'Pack-Man: Package Management' application. At the top, a header bar contains a logo on the left, the title 'Pack-Man: Package Management' in the center, and 'Logout' and a user profile icon on the right. Below the header is a navigation bar with four links: 'डैशबोर्ड', 'मेरे शिपमेंट', 'प्रतिक्रिया प्राप्त करें', and 'शिपमेंट ट्रैक करना'. The main content area is titled 'My Shipments' and features a list of shipments on the left with 'Ship2' and 'Ship3' visible. To the right, a form for 'Shipment Tracking ID' has 'Ship2' entered, with 'Submit', 'Modify', and 'Cancel' buttons. Below this, a 'Package Status' section shows 'DELIVERED' with a full blue progress bar.

Pack-Man: Package Management

Logout

डैशबोर्ड मेरे शिपमेंट प्रतिक्रिया प्राप्त करें शिपमेंट ट्रैक करना

My Shipments

Shipment Tracking ID

Ship2

Submit Modify Cancel

Package Status

DELIVERED



Thanks for
watching!

