

NeuroFleetX – AI Powered Smart Delivery and Logistics System

Introduction

The frontend module of NeuroFleetX provides a clean, responsive, and user-friendly interface for delivery management. It enables users to log in securely and access delivery-related information through well-designed dashboards. This presentation focuses on the **Dashboard Page**, which visually displays delivery information using structured layouts, cards, and responsive design techniques to enhance usability and overall user experience.

Objective

- ❖ Display delivery-related information clearly
- ❖ Present data using cards and sections
- ❖ Ensure responsive and readable UI
- ❖ Improve user experience using proper layout and styling

Technologies Used

- React.js
- HTML5
- CSS3
- JavaScript
- Node.js (for frontend execution)

Frontend Folder Structure

The frontend code is organized inside the **traffic-dashboard** folder:

- `src` → React components and CSS files
- `public` → Static assets
- `package.json` → Frontend dependencies

This structure supports modular development and scalability

Dashboard Page

The Dashboard Page displays delivery-related information in a well-organized and structured layout. It uses cards and sections to present data clearly and logically. Proper spacing, alignment, and visual hierarchy are maintained using CSS to improve readability and ease of navigation.

The layout is designed to provide users with a quick overview of delivery details without clutter. Responsive design techniques ensure that the dashboard adapts smoothly across different screen sizes. The overall design enhances user interaction and supports efficient monitoring of delivery information.

Dashboard UI Design & Styling

- ❖ Custom CSS files used for layout design
- ❖ Flexbox applied for responsive structure
- ❖ Consistent color scheme and typography
- ❖ Cards used to separate information visually

This improves readability and usability.

User Experience (UX)

- ❖ Clean and minimal UI
- ❖ Easy-to-understand layout
- ❖ Smooth interaction with dashboard elements
- ❖ Clear role-based access after login

Steps to Run Frontend Locally

- Navigate to the traffic-dashboard folder
- Open command prompt or terminal
- Run npm install to install dependencies
- Run npm start
- Access the application at <http://localhost:3000>

Conclusion

The Dashboard Page of NeuroFleetX provides a responsive and user-friendly interface for displaying delivery-related information. The clean layout and consistent styling improve usability and support efficient interaction.