AUTO GREDI - Frontend Overview (Vite + React)

AUTO GREDI is a modern automotive e-commerce frontend built with React, Vite, and Tailwind CSS. It is designed for fast performance, simple structure, and easy backend integration. The app allows users to browse, add products to a cart, and complete a checkout flow with bilingual (English and Albanian) support.

Project Structure

• index.html – Root HTML file • vite.config.mjs – Vite and React plugin configuration • package.json – Dependencies and build scripts • src/ – Contains all application code ■■■ App.jsx – Main React component and routing logic ■■■ main.jsx – React entry point ■■■ index.css – Tailwind setup ■■■ data/products.json – Static demo data

How It Works

The app initializes through main.jsx, rendering App.jsx inside the root element. App.jsx defines routes (Home, Store, Contact, Cart, Checkout, Login) and uses React Router for navigation. A CartContext manages items stored in localStorage, providing add, remove, and update quantity features. A LangContext handles bilingual text rendering. Tailwind CSS ensures responsive and modern UI styling throughout the application.

Backend Integration

Currently, products are loaded from products.json for demo purposes. In production, these can be fetched from an API endpoint (e.g., /api/products). Checkout and contact forms can similarly integrate with backend endpoints using fetch or Axios.

Build & Deployment

• Run 'npm install' to install dependencies. • Use 'npm run dev' to start development mode. • Use 'npm run build' to generate production files under /dist. • The /dist folder can be deployed to Netlify, Vercel, or GitHub Pages.

Summary

AUTO GREDI provides a clear structure and fast, responsive frontend suitable for an automotive store. Its modular design allows backend developers to easily connect APIs and extend the e-commerce functionality.