

## SOW Task-2 Documentation – Price List Module

### SOW Task-2 Overview

This project is full-stack Price List built with React for the frontend and Fastify + PostgreSQL for the backend. The application provides a responsive, real-time interface for managing product price-list with advanced features including inline editing. Recently edited products will stay at the bottom of the List.

The repository follows a monorepo structure with integrated frontend and backend components, designed for scalability and maintainability. It is deployed with the frontend hosted on Vercel, the backend on Render, and the database (PostgreSQL 17) on Render.

#### Frontend

- React: 18.3.1
- React DOM: 19.1.1
- Vite: 4.5.14
- ESLint: 9.9.0
- dotenv: 16.3.1

#### Backend

- Fastify: 4.24.3
- Sequelize: 6.35.0
- PostgreSQL: 17
- @fastify/cors: 8.4.0
- pg: 8.11.3
- pg-hstore: 2.3.4
- dotenv: 16.3.1

#### Development

- Node.js: 18+
- pnpm: Package manager (Frontend)
- npm: Package manager (Backend)
- Nodemon: 3.0.2 (Development server auto-restart)

#### Environment & Deployment

- Project in GitHub. LINK: <https://github.com/shashankneupane0427/Price-List-Module>
- Frontend deployed on Vercel. LINK: <https://price-list-module.vercel.app/>
- Backend deployed on Render. LINK: <https://price-list-module-backend.onrender.com/>
- PostgreSQL 17 database hosted on Render
- Frontend build tool: Vite

**Note:** Due to my free limited account on Render, the backend or database may take longer to respond when idle. Free instances spin down with inactivity, which can delay requests by 50 seconds or more.