

PROBLEM

Efficiently managing inventory can be a challenging task for businesses relying on traditional methods such as spreadsheets or outdated systems. These tools often lack real-time updates, dynamic location management, and the ability to integrate vendor or billing processes. The absence of a comprehensive and visually intuitive interface often leads to inefficiencies, errors, and delays in operations.

OBJECT DESIGN

CURRENT SYSTEM

Existing systems typically fail to provide essential modern features such as:

- A centralized dashboard to monitor orders and inventory.
- The ability to dynamically add, edit, and manage product information.
- Intuitive visual tools for managing inventory locations, such as aisles, racks, and bins.
- Seamless vendor management and purchase order creation.

This creates a gap that the current system aims to address by providing a real-time, visually intuitive solution.

REQUIREMENTS

- Functional Requirements
- Real-Time Updates: Instant inventory synchronization.
 - Scalability: Support growing product databases.
 - Integration: Seamless Firebase connection.
 - Authentication: Secure login for authorized access.
 - Interactive Tools: Manage aisles, racks, and bins dynamically.
- Non-Functional Requirements
- Security: Protect sensitive data and ensure integrity.
 - Scalability: Support growing product databases.

INDIVIDUAL CONTRIBUTION

For this project, I focused on designing the Dashboard, Log In, and Sign Up pages for Invently. I have the most experience with frontend web development and I particularly enjoy UX/UI design.

The Log In/Sign Up pages allow a user to access and manage their inventory account. The Dashboard gives a user updates on recent orders placed, allows them to search through their inventory, and shows a list of the current inventory available and how much their is in stock.

SUMMARY

Using HTML, CSS, and Javascript, I was able to create an interactive Dashboard allowing a user to effectively organize their inventory with ease. With the help of Figma I created multiple layouts for the SignUp, Log in, and Dashboard pages until finding the ones that worked best.

IMPLEMENTATION



Frontend: CSS, HTML, CSS

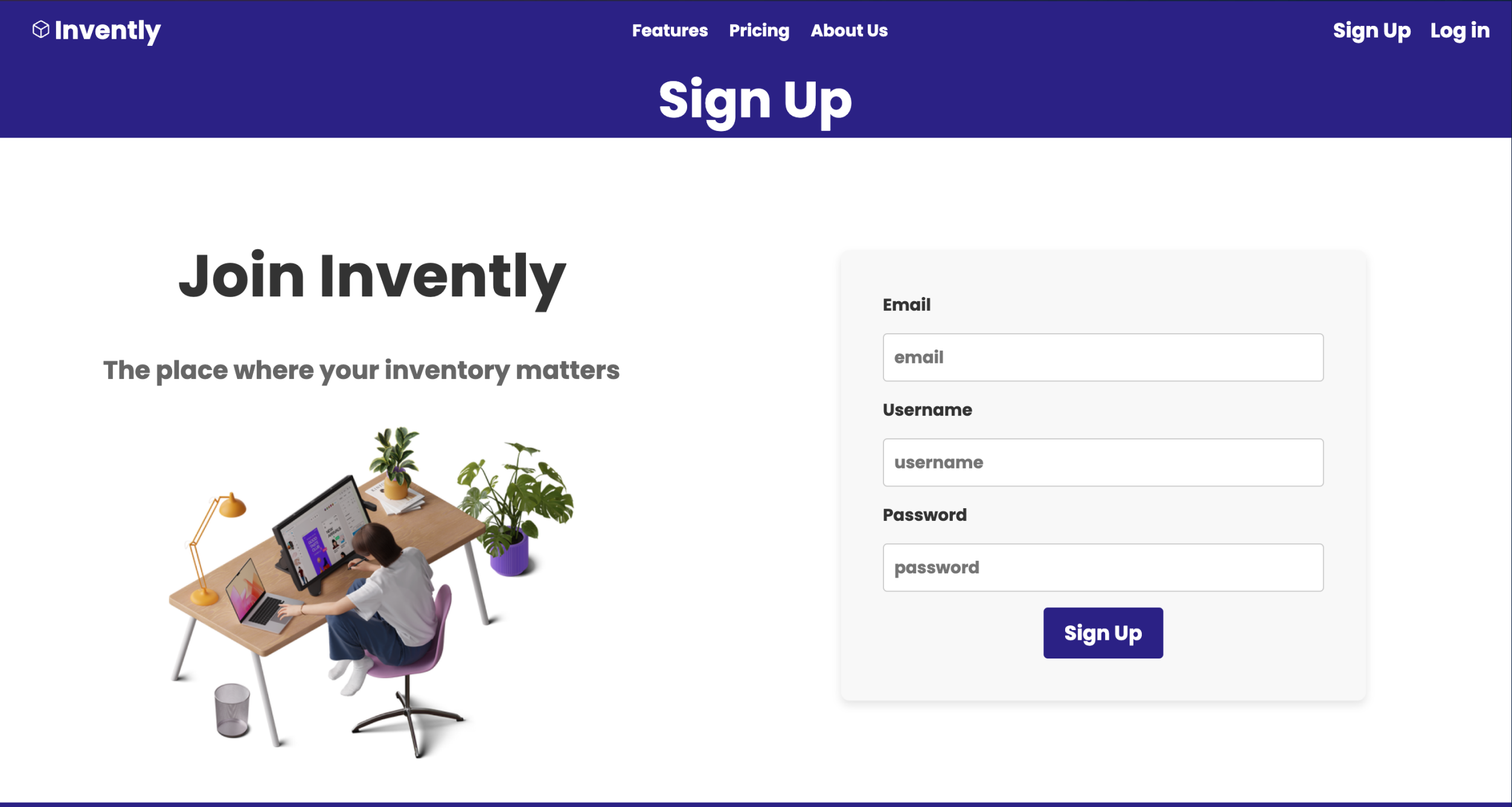


Figure 1: Dashboard Page

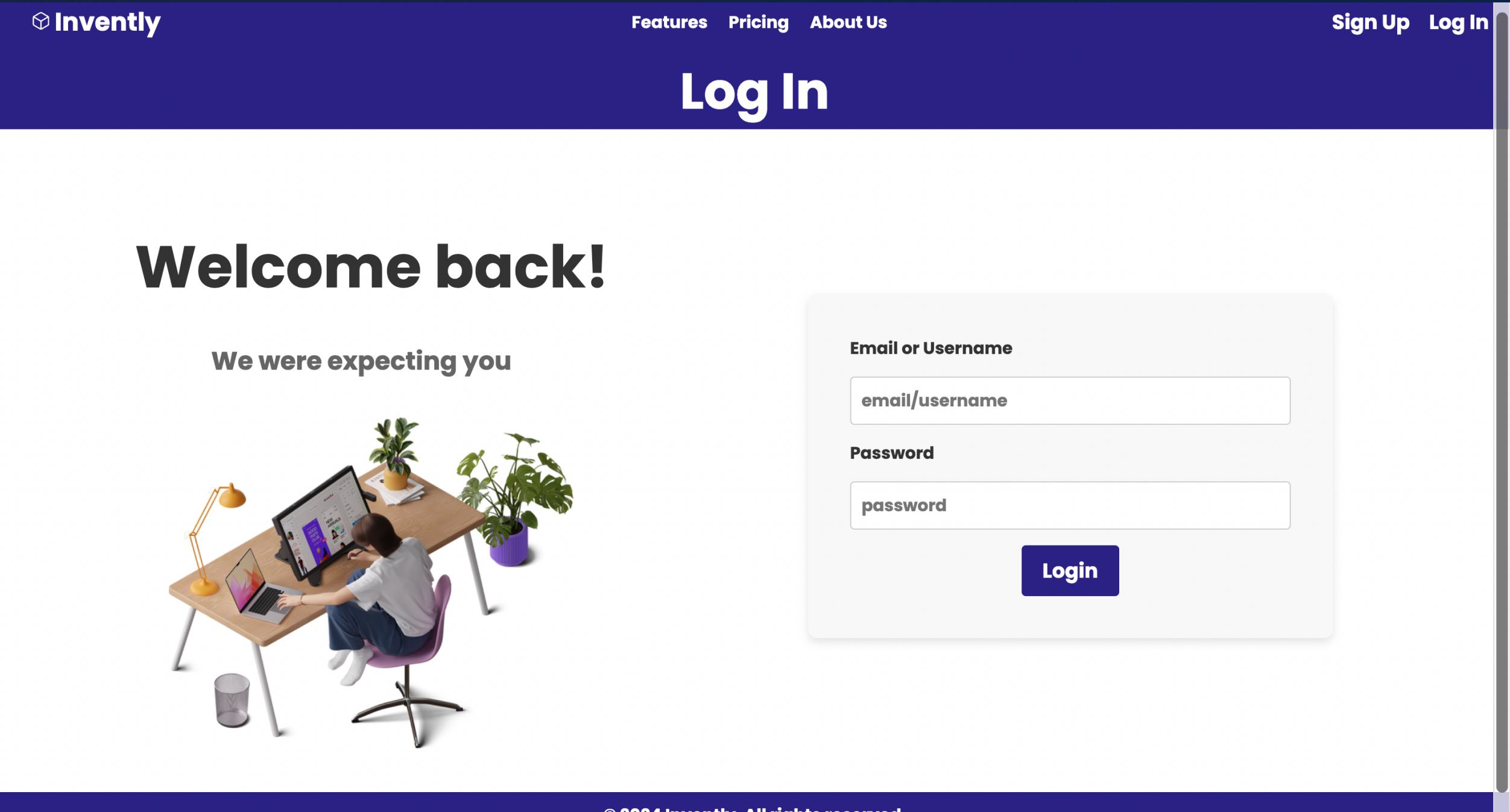


Figure 2: Log In Page

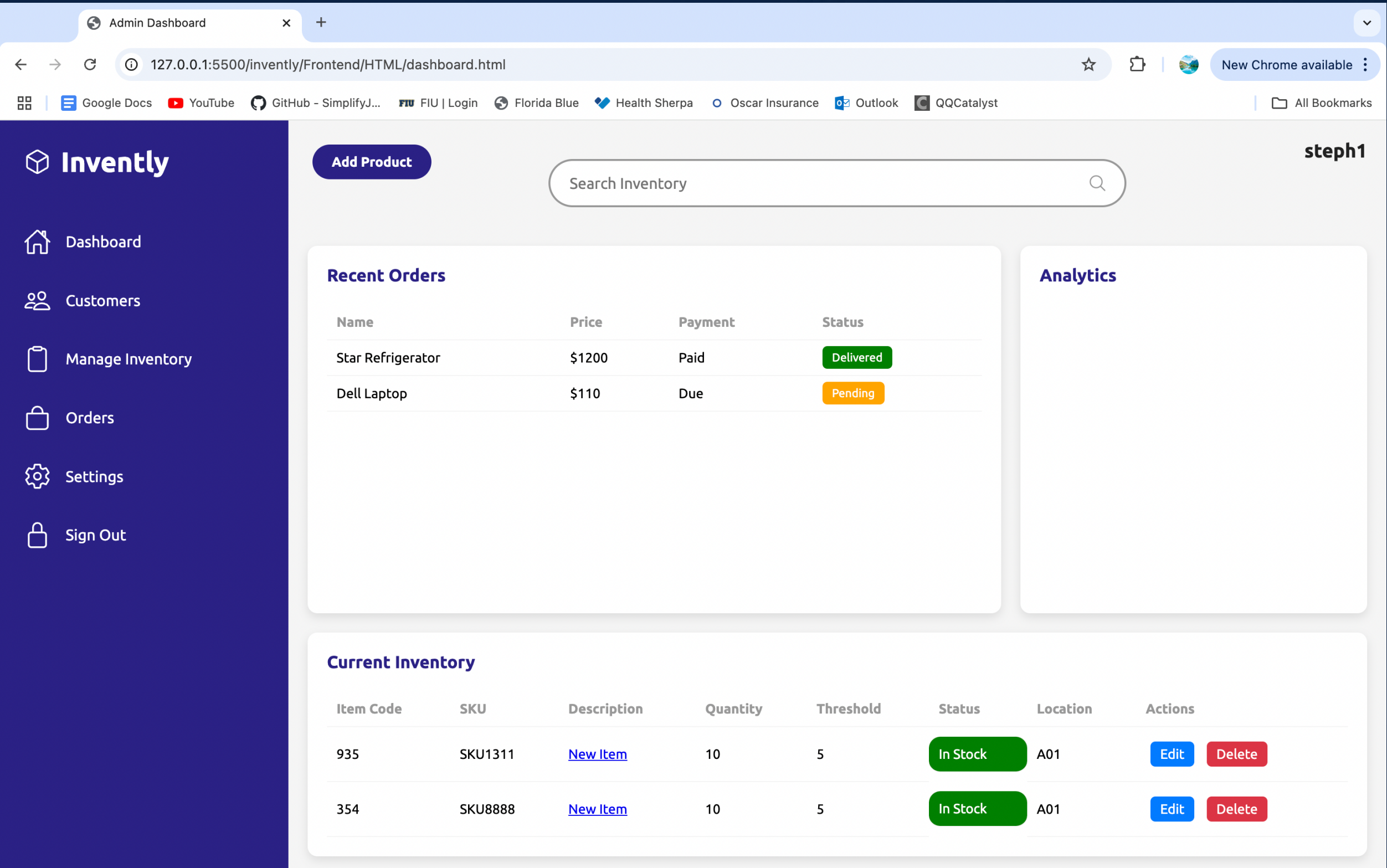


Figure 3: Sign Up Page