StockMaster

Inventory Management Web Application

Introduction

StockMaster aims to provide a user-friendly and efficient solution for managing inventory. Our web application will streamline the process of tracking products, managing stock levels, and ensuring timely identification of items nearing expiration. With StockMaster, you will be able to monitor your inventory in real-time, improve stock management practices, and reduce waste caused by expired products.

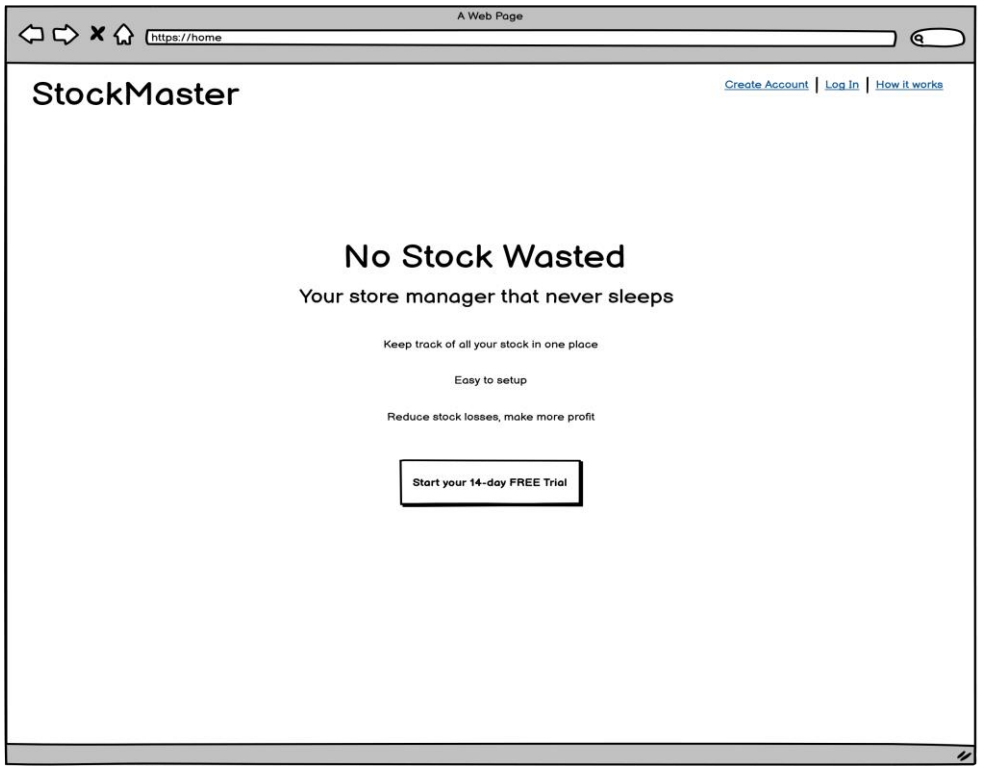
Key Features

StockMaster will include the following essential features:

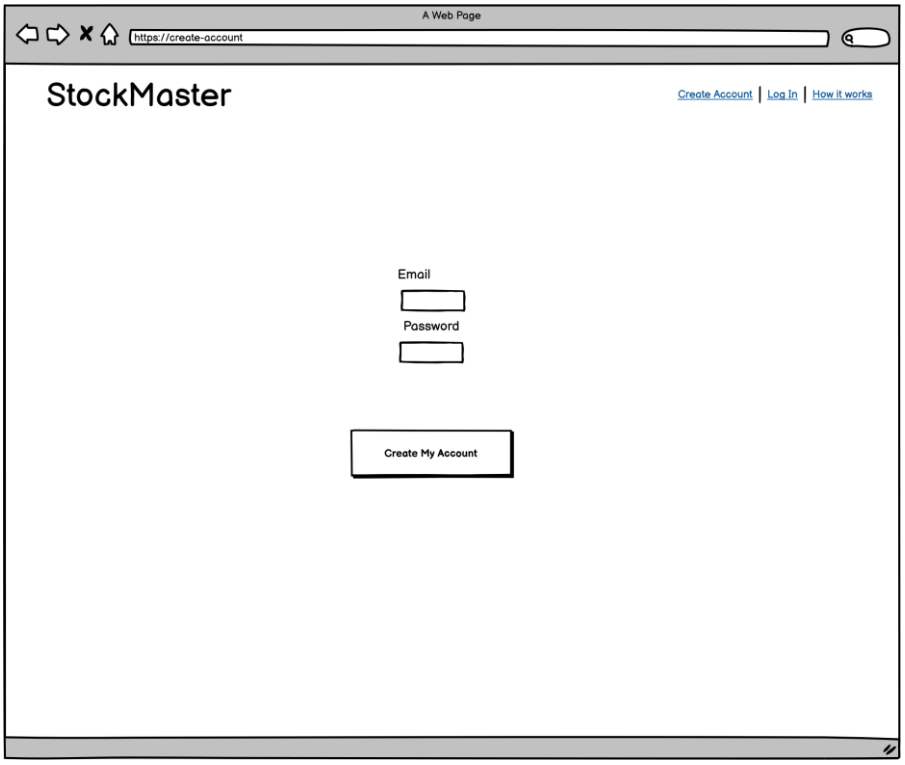
1. User-friendly Dashboard: A comprehensive dashboard will provide an overview of the inventory, including the total number of available products and a highlighted section for items nearing expiration (within 7 days).
2. Product Entry: Users will be able to enter product details such as name, barcode, quantity, expiration date, image, and category. This feature will facilitate easy and accurate data entry.
3. Export Functionality: StockMaster will allow users to remove products from the inventory. Barcode scanning will automatically populate product details, simplifying the export process.
4. *History Log: A dedicated history page will record all export and import movements, providing a detailed log for reference and tracking purposes.
5. *Categories: StockMaster will provide functionality to categorize products, enabling efficient organization and filtering.
6. *Auto Data Filling: When users enter the barcode for an already registered product, the system will auto fill the related fields, saving time and effort for the user.
7. *Products Page: Will display all the products that were registered, as well as a filtration system based on the products categories.

Wireframe

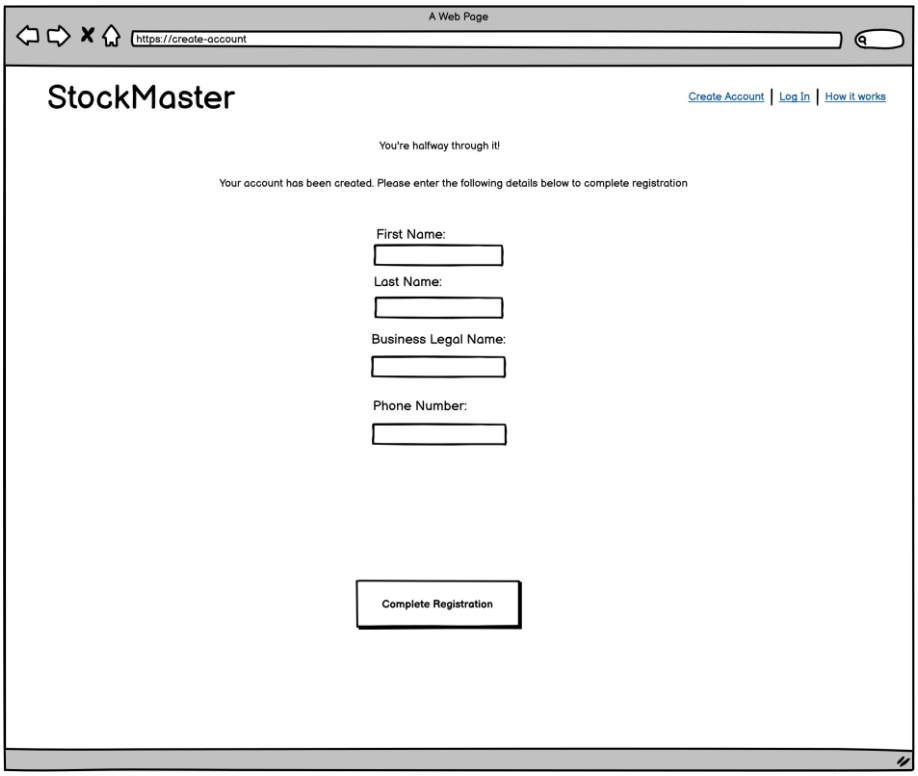
Welcome Page:



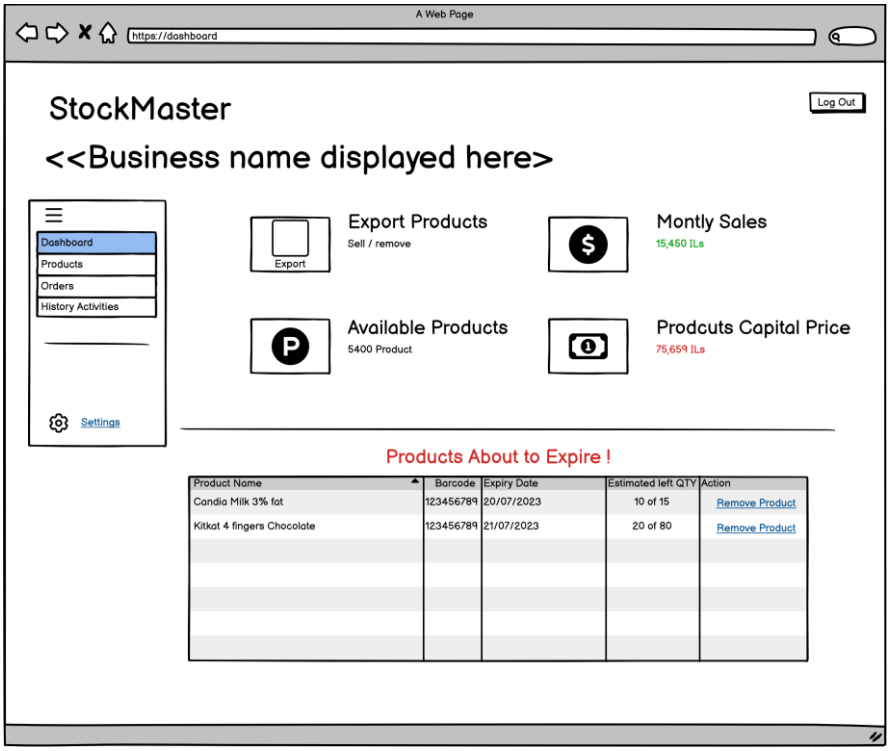
Create Account Page 1:



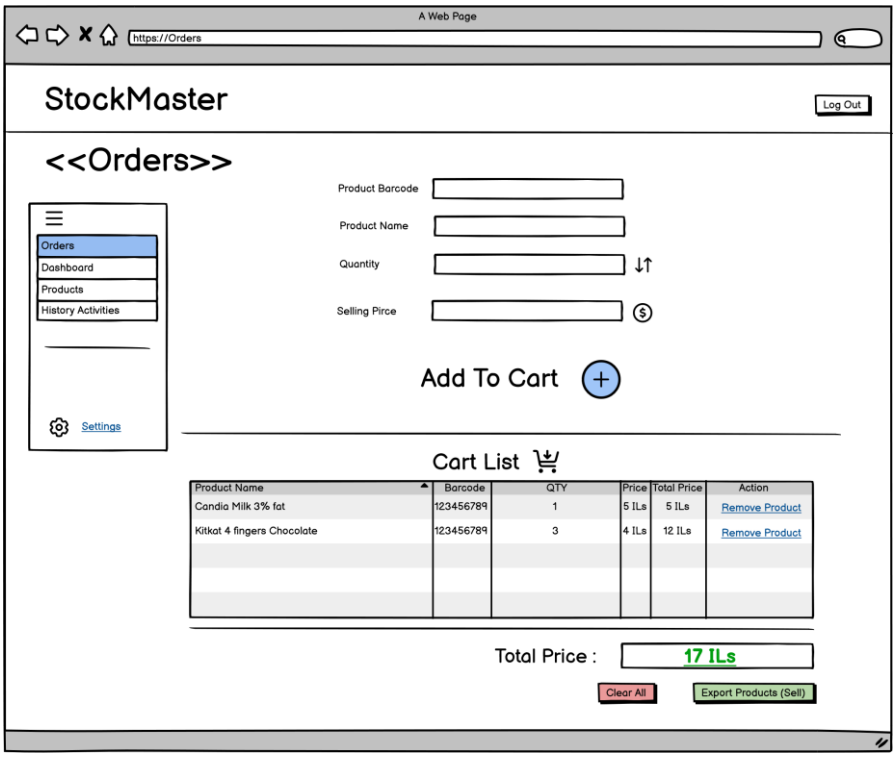
Create Account Page 2:



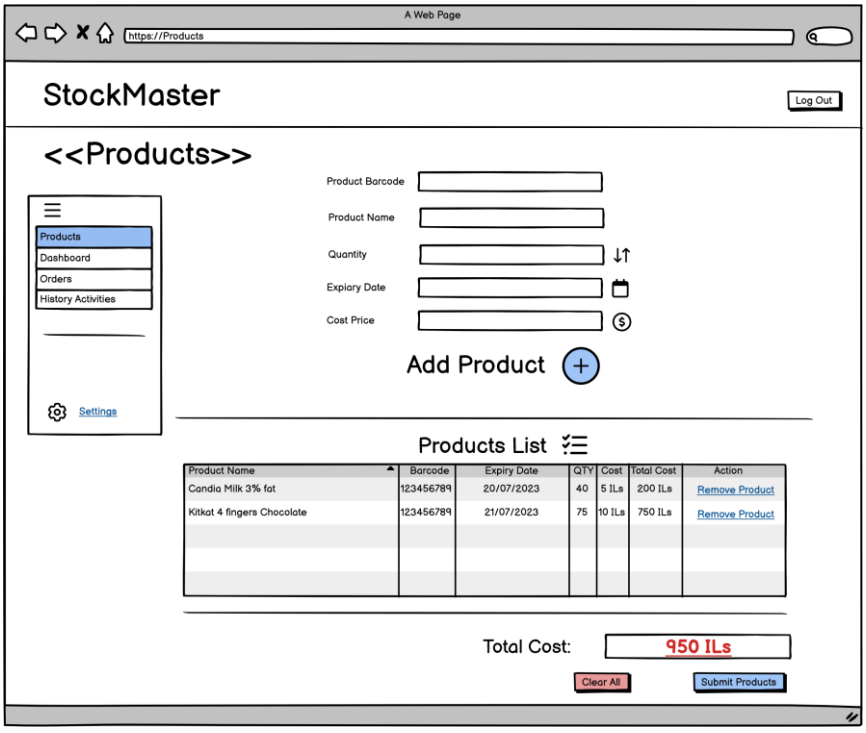
Dashboard Page:



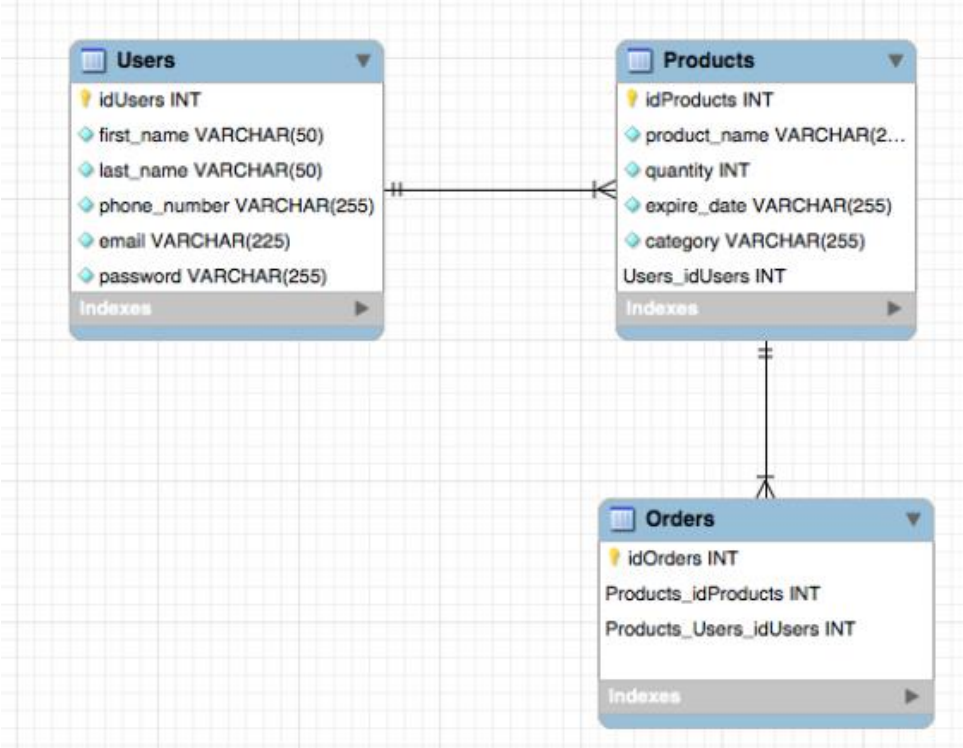
Orders Page:



Products Page:



ERD (Entity Relationship Diagram)



Team Members and Responsibilities

Our project team consists of a Full-Stack developers. Here are the team members and their assigned responsibilities:

Hamada Read - Full-Stack Developer:

- Responsible for project coordination, task management, and overall delivery.
- Front-end and back-end development.
- Quality assurance and testing.

Kareem Malhis - Full-Stack Developer:

- Responsible for implementing the back-end logic and database integration.
- API development and data management.

Yazan Muqbel - Full-Stack Developer:

- Responsible for implementing the user interface and front-end functionality.
- Collaborating with the UI/UX designer to ensure a cohesive design.

Team Supervisor: Shatha Bast

GitHub Repository

https://github.com/Kareem-124/Team_Project

Tasks and Timeline

Below is an overview of the project tasks and estimated timeline:

1. Project Setup and Structure: 16/07/2023 - 18/07/2023
2. User login and Registration: 18/07/2023 - 19/07/2023

3. Dashboard: 20/07/2023 - 22/07/2023
4. Export Functionality: 23/07/2023 - 25/07/2023
5. Product Entry: 26/07/2023 - 27/07/2023
6. Testing, and Refinement: 27/07/2023 - 28/07/2023
7. First Release: 28/07/2023

Please note that these dates are tentative and subject to change based on project requirements and progress.

Future Work

*: Some features will be added later at the future (future releases)

- History Log
- Products Page.
- Categories Product Filtering
- Auto data filling when barcoded is entered (Ajax)
- Enable to use devices cameras to scan the barcode
- Upload images for each product.