



welcome

BILLING SOFTWARE FOR SHOPPING CART

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Introduction

- Conventional billing methods are fraught with difficulties, including lacks sophisticated analytics and reporting features.
- It might be difficult to analyze sales patterns. functions only as a single entity a complete billing administration system
- This application includes capabilities including inventory management, bill preparation, user identification, and storage, all of which are intended to facilitate the billing process in an efficient and secure manner.

Project Scope

- Developing a user-friendly interface for handling billing operations. Implementing secure user authentication for login and signup.
- Providing an efficient way to manage and view inventory.
- Enabling the creation and storage of bills.
- Offering insightful visualizations to analyze stock and sales.
- Facilitating easy navigation through a well-organized dashboard.
- Providing search functionality for inventory and saved bills.
- Easy to handle and can run everywhere

Features

- User Authentication- Secure user authentication to ensure only authorized users can access the system
- Manage Stock-Add, view, and update stock details.
- Search Functionality- Quickly search through inventory items.
- Dashboard-a central navigation point for accessing all features of the application.
- Donut Diagram-Visual representation of stock details for easier inventory management.
- View Bills-Access previously saved bills.
- Search Functionality-Quickly search through saved bills.
- Donut Diagram- Visual representation to analyze sales trends and item quantities.
- Generate Bills-Create new bills with items selected from the inventory
- Update Inventory-Automatically reduce the quantity of items in the inventory when a bill is saved.
- End Session: Securely log out from the system, ending the user session.

Technology used

FRONT END : REACTJS,HTML,CSS, TAILWIND CSS, JAVASCRIPT

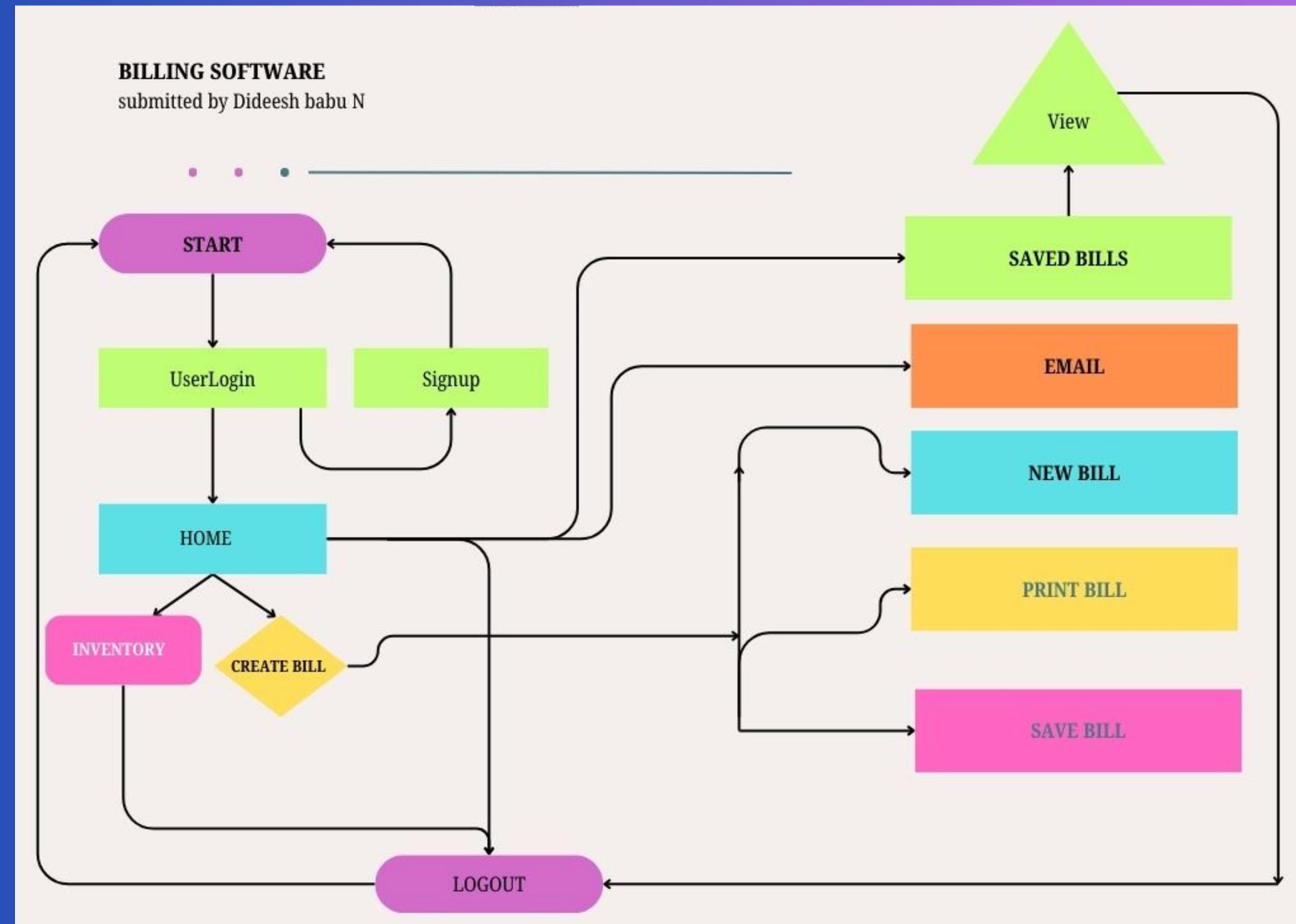
BACKEND: NODEJS, EXPRESS

DATABASE: MONGODB

AUTHENTICATION: JWT

HOSTING: DOCKER

Workflow Diagram:



Future Enhancement

- Customer satisfaction page to enhance the business
- Segment customers for targeted invoicing and offers.
- Provision to send bills via mail at one click
- Provision to analyse who shops more from the data and encourage such customers by gifting coupons

Conclusion

- The Billing Software project aims to provide a comprehensive and user-friendly solution for managing billing operations.
- By leveraging the capabilities of the MERN stack, the application offers robust features for inventory management, bill creation, and data visualization.
- The integration of secure user authentication and efficient search functionalities further enhances the usability of the system.
- This software serves as an effective tool for businesses looking to streamline their billing processes and gain valuable insights into their sales and inventory.

THANK
YOU

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