

TERION




TERION INVOICE BILLING

21 Dec 2023 11:30

📍 Kalavasal Bus Stop

- Textract used 🧑
- First Layer of Requirement
- Second Layer of Requirement
- Milestone 🎯

Textract used 🧑

Scripting Side	Textract	Justify
Front-end	 ReactJS	Choose React for billing software for its modular components, efficient updates, and scalability benefits.
Back-end	 ExpressJS	Due to its lightweight design and emphasis on simplicity, facilitating quick development and efficient handling of HTTP requests.
Database	 Postgresql	Extensibility, and reliability in ensuring data integrity.

First Layer of Requirement

Layers	Description	Notes	Status
Hierarchy Based Login	Create a login system where users have different levels of access, allowing careful control over what they can do based on their roles.	Utilise React for the front end, Express for the backend, and SQL for the database; implement role-based authentication using JWT for hierarchical access control.	Not started ▾
Add Credentials by there Admins	Enable admins (manufacturers) to add distributors and distributors to add customers, implementing hierarchical access control	Enabling admins to add distributors and distributors to add customers through role-based authentication	Not started ▾
Generate Invoice	Handle the invoice creation logic, and in React, trigger this route and dynamically render the generated invoice details in the user interface.	In React, gather invoice details, send to Express backend, process, generate invoice, and display in UI	In progress ▾
Transaction History	Implement a transaction history feature by storing and retrieving user transactions in a database using React for the frontend and Express for the backend.	Utilise React for frontend rendering and Express for backend to store and retrieve transaction data, maintaining a transaction history feature in the application.	In progress ▾

Second Layer of Requirement

Tittle	Layers	Description	Status
Login View	Front-end ▾	Create a login page in React with a username (email) and password field, ensuring proper alignment and design using CSS or a styling library like Bootstrap.	In progress ▾
Login Model	Back-end ▾ Architect... ▾	Implement backend validation for the login credentials in Express, including hierarchy level checks, and respond accordingly with the appropriate access or error messages to the React frontend.	Not started ▾
Index view Layout	Front-end ▾	Ensure a standardized sidebar navigation, a clear title, and the organization name in the frontend layout to enhance user experience and branding consistency.	Under review ▾
Index Menu Options	Back-end ▾ Database ▾	Dynamically display menu options in React based on validated hierarchy levels from the Express backend, ensuring personalized access.	Not started ▾
Add Distributor Page	Front-end ▾ Back-end ▾	Implement a "Add Distributor" page in React, retrieve data from the frontend, and store it in the database using an Express backend.	In progress ▾
Add Customer Page	Front-end ▾ Back-end ▾	Implement a "Add Customer " page in React, retrieve data from the frontend, and store it in the database using an Express backend.	Not started ▾

Title	Layers	Description	Status
Invoice Generation	<div>Front-end ▾</div> <div>Back-end ▾</div>	Develop an "Invoice Generation" page in React, collect user input, and utilize an Express backend to store the data in the database.	<div>In progress ▾</div> <div>Not started ▾</div>
Generated Invoice	<div>Database ▾</div> <div>Back-end ▾</div>	Design a React page displaying generated invoices with organization logo, GST details, and invoice number, and integrate options in Express for sending invoices via email	<div>Not started ▾</div>
Design Layout for Transaction History	<div>Front-end ▾</div>	Develop a React page with a standard UI and CSS design for displaying transaction history	<div>Under review ▾</div>
Fetch Relevant Transaction data particular user	<div>Database ▾</div> <div>Architect... ▾</div>	Retrieve and display relevant transaction data for a specific user in the React page by fetching and filtering the data from the Express backend.	<div>Not started ▾</div>

Milestone

★ Major Milestone

Module	Start	End	Total days	Status	Description
Add Credentials by there Admins	22 Dec 2023	26 Dec 2023	3 days	In progress ▾	
Hierarchy Based Login	27 Dec 2023	28 Dec 2023	2 days	Not started ▾	
Generate Invoice	29 Dec 2023	1 Jan 2024	2 days	In progress ▾	
Transaction History	2 Jan 2024	4 Dec 2023	3 days	Not started ▾	

★ Minor Milestone

Work	Time	Status	Description
Add Distributor Page(@include validation , edit page , retrieve data)	1 days	In progress ▾	
Add Customer Page	4 hours	In progress ▾	
Login View	3 hours	In progress ▾	
Hierarchy Based Login	4 hours	Not started ▾	
Login Model	1 day	Not started ▾	
Index view Layout	2 hours	In progress ▾	

Work	Time	Status	Description
Index Menu Options	3 hours	Not started ▾	
Invoice Generation	5 hours	Not started ▾	
Generated Invoice	1 day	Not started ▾	
Design Layout for Transaction History	4 hours	Not started ▾	
Fetch Relevant Transaction data particular user	1 and half day	Not started ▾	

Submitted By : 027_Nitheshwaran T

On : 21 Dec 2023 04:00

Place : 📍 Selvi Nagar