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Group: Wednesday

Web Technologies And Internet:

Final Project:

Project Name: Storehouse Management System

1. Project Requirements:

Purpose of the Project:

The primary purpose of the Storehouse Management System is to streamline and optimize the processes related to inventory management in a storehouse. The system aims to provide an automated and user-friendly platform for tracking, monitoring, and controlling all aspects of inventory, ensuring that goods are handled efficiently from the moment they arrive at the storehouse until they are dispatched.

Expected Outcomes:

User Management:

Secure login system with different access levels for various users.

User-friendly interfaces for data entry and retrieval.

Product Information:

Comprehensive database storing detailed information about each product.

Capability for quick and accurate data input.

1. Project Plan:

Backend Development one Week.

Frontend Development two weeks.

Timeline:

Project Duration: 3 weeks

Resources:

Project Manager

Training Facilitators

1. Source Code:

In this project I used Spring Boot for backend, React JS for frontend, MySQL for Database and Postman for testing.

1. Database Schema:

Considering the database, I have two tables which are:

Storetbl and admintbl.

Storetbl:

Item\_code: bigint Primary key;

Added\_date: datetime;

Item\_name: varchar;

Quantity: int;

unit\_Price: int;

totalPrice: int.

admintbl:

id: bigint primary key;

email: varchar;

password: varchar.

1. User Documentation:

Introduction:

Welcome to the Storehouse Management System (SMS)! This system is designed to help you efficiently manage and organize your storehouse.

Getting Started

Login Credentials

To access the SMS, use the following login credentials:

Email: your email

Password: your password

Dashboard

Upon successful login, you will be directed to the dashboard.

Dashboard

Overview

The dashboard provides an overview of the current state of your storehouse.

Managing items

Adding an item

Viewing Item Details

Editing an item

Deleting an item

1. Technical Documentation:

Introduction

This technical documentation provides an in-depth understanding of the Storehouse Management System (SMS) architecture, technologies used, and the implementation details of both the backend and frontend components.

Architecture Overview

The SMS is designed as a three-tier architecture:

Presentation Tier (Frontend):

User interfaces for interacting with the system.

Developed using a modern frontend framework using React JS.

Application Tier (Backend):

Business logic and application processing.

Built using a backend framework (IntelliJ Idea) and communicates with the database.

Data Tier (Database):

Using a relational database management system (MySQL).

Technologies Used

Backend Framework: IntelliJ idea 2023.3.1

Frontend Framework: React 17.0

Database: MySQL 8.13.0

API Communication: RESTful APIs

Authentication: JSON Web Tokens (JWT)

Version Control: Git