Store Management System

Developer Guide

Adal Khan

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[A01799729507@gmail.com](mailto:A01799729507@gmail.com)

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| C-01 | Software Requirements |

Front End: HTML5, CSS, Typescript, Svelte & Svelte Kit

Backend: Node.js with Fastify.

Database: MySQL with mysql2/promise driver.

Testing: JEST

The store management system is a database-intensive web application that requires handling heavy concurrent requests and providing easy access to data. To achieve optimized performance, Node.js is used along with Fastify, which is well-suited for managing high traffic with minimal overhead. for testing purpose

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| C-02 | Data Model |

Table Name: Products

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SL | Produc\_UID | Product\_TYPE | Product\_NAME | PHOTO |
| Primary\_Key | Unique, Integer  Code Format  Product\_Type Code + Serial | * Assets - 10 * Medicine - 11 * Stationary – 12 * Electric-13 * Electronics-14 * Accessories-15 * Cloths-16 * Furniture-17 * Administrative\_Supply-18 * IT-19 * Other-20 | Name of the Product as string | Image link as string. this column is optional and may contains null |