Electronics Vendor Database Project

Overview

This database project aims to redesign a major part of the database underlying the operations of our hypothetical electronics vendor company, which operates both a website and a chain of physical stores similar to Best Buy or Circuit City.

Purpose

The purpose of this database redesign is to ensure efficient management of various aspects of the company's operations including product inventory, sales, customer billing, shipping, and corporate planning.

Database Design

E-R MODEL

• The E-R diagram represents the conceptual design of the database, including primary keys and relationship cardinalities.

RELATIONAL MODEL

• The initial relational design was created based on the E-R diagram and refined following the principles of relational design.

• Relations were created in an MySQL database with appropriate indices and constraints.

How to Run:

• SQL file: The SQL files can be run on MySQL workbench.

- Instructions to run WEB APP interface:

```
## Follow the procedure to run the app


### Frontend
#### npm install
#### npm run dev


### Backend
#### npm install
#### node index.js
```

How to use web interface:

- **After opening the web interface INSERT and VIEW options are available on homepage. The web interface is directly connected to MySQL database.**
- **The INSERT option is used to add data to the tables.**
- **The VIEW option is used to view all the tables.**

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