Proposal for

CSE 311L Project

Project name:

Computer Store Management

Submitted by:
Group 8

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GITHUB Link: https://github.com/mhasan502/Computer-Store/
Hosted Link: https://bit.ly/2TxsjbP

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Introduction

The idea of my project is to make a website that will help both buyer and seller. It will help the buyers getting their best-value-for-money product by providing details of each product. The seller can save time as he doesn't have to spend time introducing a product to a customer.

About Us

As I chose to do the project alone, I had to spend quality time on this project. I couldn't use prior language in this project. I had to learn them as well as implement them at the same time.

Learn more at: https://github.com/mhasan502/Computer-Store/

Background and Product Context

The modern-day computer has become an important part of our daily life. Also, their usage has increased much more during the last decade. Nowadays, we use the computer in every office whether private or government. Mankind is using computers for many decades now. Also, they are used in many fields like agriculture, designing, machinery making, defense, and many more. Above all, they have revolutionized the whole world.

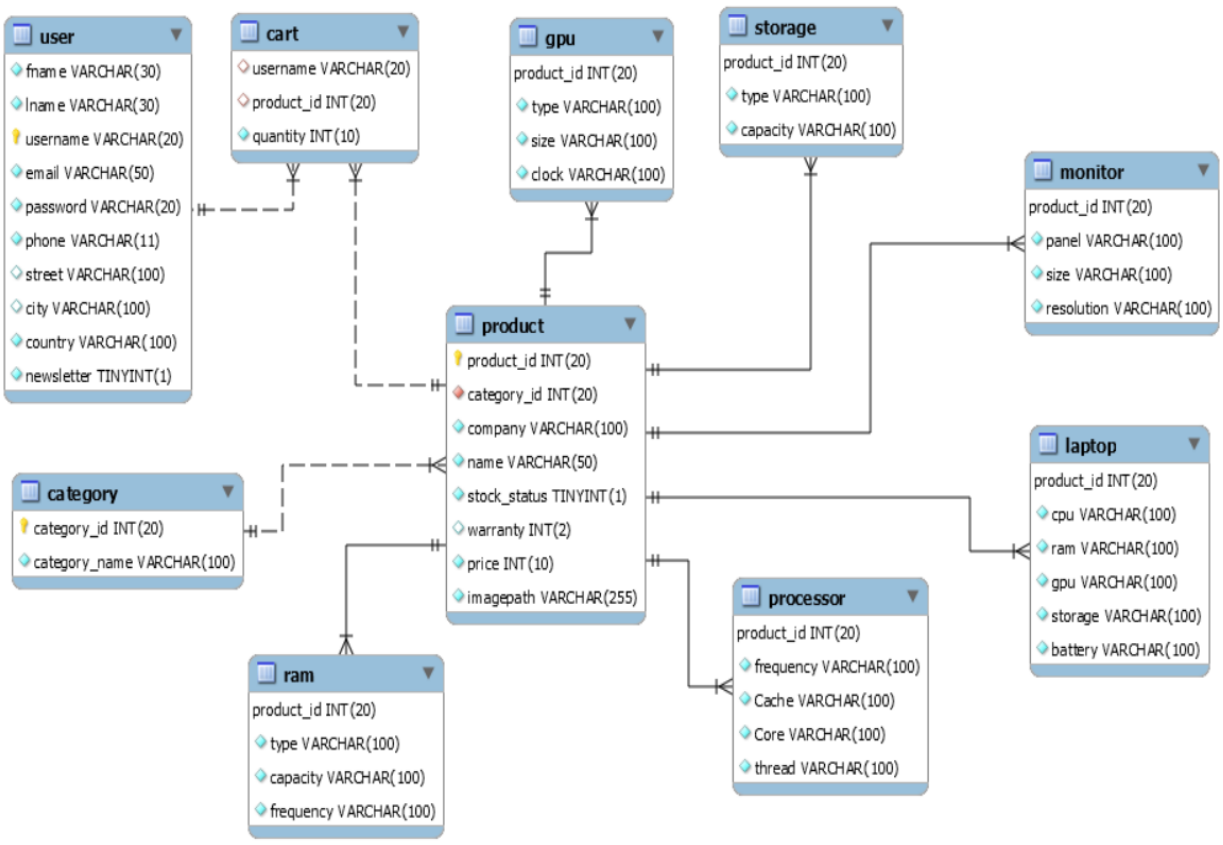
Each year, millions of computers and computer components are being sold all around the world. Not every people have knowledge about computer components. They depend on the seller's information. What if the seller is dishonest?

The idea of the project is to create an environment that will be helpful to both buyer and seller. This environment will help the seller as well as buyers at the same time. The seller will be more productive as the environment will help him to save more time. Customers will be more satisfied as they will get the chance to learn and select the best product according to their budget.

ER Diagram

Our database has ER diagram like below.
The table *user* contains all the information of user. A user can save his/her desired product in *cart.* Every product has a common feature among them from which the *product* table is made of. Their unique feature can be found in their own named table such as *processor, ram, gpu, storage, monitor,* and *laptop*.

Entity Relationship Model



Solution description

Database:

We will use MySQL for the database. We choose MySQL because MySQL is the world's most popular open-source database is that it provides comprehensive support for every application development need.

Server-Side:

We will use PHP as a server-side language. As it is cheap, faster and much more flexible to MySQL. Also, there are good online documentation and community available.

Front-end plan:

1. Main page with search
2. About Us page
3. Contact Us page
4. Product Page
5. Register/Login Page
6. Cart page

Back-end plan:

1. Searching:
    a. Text based
2. Category/Brand:
    a. Total row in category/company based
3. Login/Signup:
    a. Sign up form
    b. Login, secured with MD5 Hashing
    c. MySQL Database

Appendix

Contact information

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