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**PROPOSAL**

**Introduction:**

Our team's idea is to create an online website that serves the purpose of selling online items as there are a lot of tutorials about creating it and also web development and coding is quite common these days so committing to this idea is helpful for our future endeavors.

**Target users:** users that haven't logged in (viewers) , users that have logged in, admins.

**Environments**: web.

**Using tools**: NodeJS, MongoDB (for the database).

**Programming languages:** Javascript, HTML/CSS.

**Key features:**

- Login, log out, register

-Listing: List out the items categories, items in the cart, and orders (these are only for logged-in users). Users who haven't logged in can only see items in the web store and cannot use the cart, see orders.

-Suggestion: Admins can show on the web items that are on sale, are bought a lot or popular due to likes on the top of the web page.

-Search: All types of users can search full text in the search bar to find the items.

-View item details: Item details such as descriptions, price, stock, (Can be seen by all user types.)

-Add a new item / multiple items: Add in new items with the following information: Item’s name, stock, price and descriptions. (This feature belonged to sellers.)

-Update an existing item / existing items:

+ Sellers can change the information of the items.

+ The system will automatically update the amount bought and the remaining stock of the item.

+ When bought, the system will update the amount of money to the number of items bought. (Not applying for a discount.)

-Delete an item / multiple items:

* Delete items: Sellers and admins.

+ Removing items from the cart: Logged-in users.

-Buying:

+ Only people that have registered and logged in can use it.

+ Add to cart: each instance the user adds to cart can only add one type of item but can add multiple of it (ex: adding 10 Colgate mint toothpaste to the cart or order.)

-Calculating:

+ Users who aren’t registered and logged in can't use this feature as they are the only ones who can’t buy items.

+ Calculating the total cost of the order (Both for applying a discount and not.).

+ Shipping fees.

+ Final total cost.

-Reporting:

+ Users who aren’t registered and logged in can't use this feature as they are the only ones who can’t buy items.

+ Order information before and after finalizing the purchase.

+ Shipping information(Potential time to arrive, current location/stage.).