

**Team members of Group 07:**

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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 are quite common these days so committing to this idea is helpful for our future endeavors.

**Target users:**

- Viewers (Users Who Haven't Logged In): These are potential customers who visit your website without logging in. They can browse products, view details, and explore the site.
- Logged-In Users: Once users create an account and log in, they gain additional features. They can add items to their cart, make purchases, and manage their profiles.
- Admins: Admins have special privileges. They can manage product listings, handle orders, and oversee user accounts.

**Environments:** web browsers (interact with site), server powered by NodeJs handle requests and responses

**Using tools:**

- **Developing tools:** NodeJS (core component), MongoDB (for the database), Git
- **Team management and communication tools:** Trello, Discord
- **Source control tool:** Github

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

**Key features:**

- Login, log out, register
- Listing: List out the items categories, items in the cart, vouchers 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 for users (customers and viewers see it)
- 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, and 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.)
  - + Add a user: just for admins
- 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). Admin can view and change the status of orders, the items
- Delete an item / multiple items:
  - + Delete items: Sellers and admins.
  - + Removing items from the cart: Logged-in users.
  - + Admin can delete a registered user
- 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)
  - + Have some way of payments: card, cash
- 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).

- **Link of Trello:**

<https://trello.com/invite/b/mcUHi8Nz/ATTIb2ad00b72c4be881181d82724609fe4a8D892E87/projectecommercewebapp>