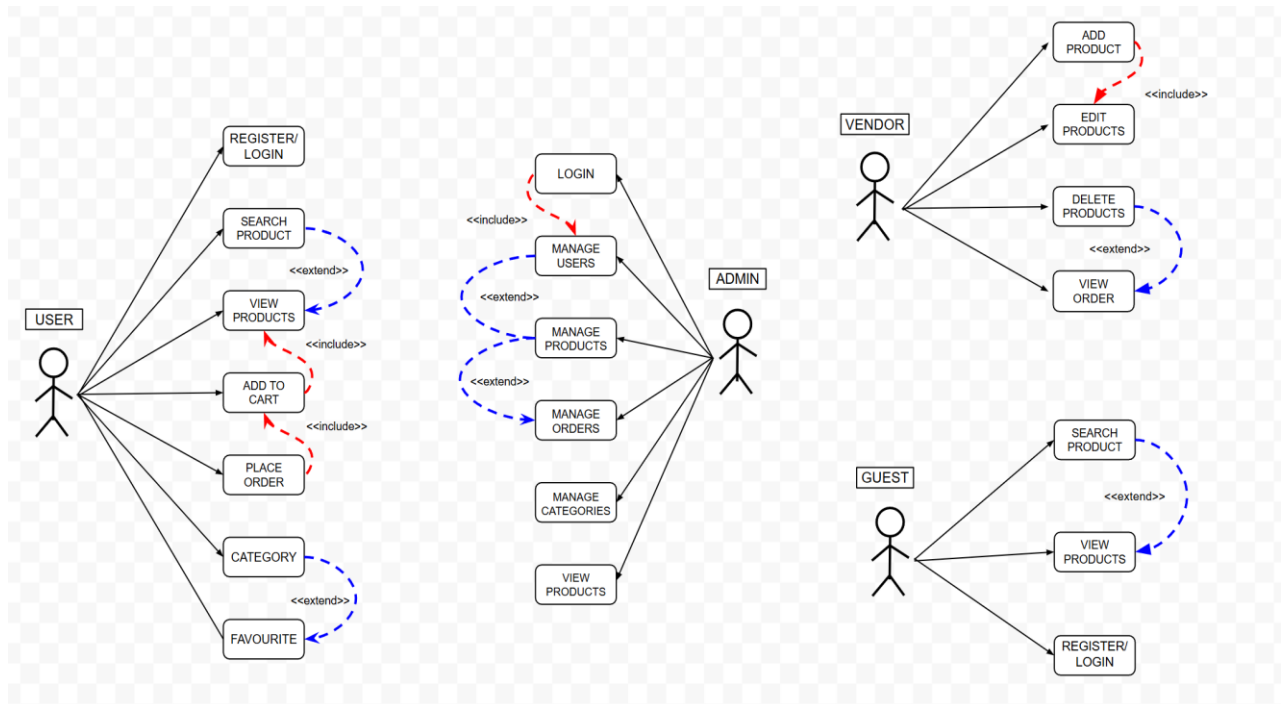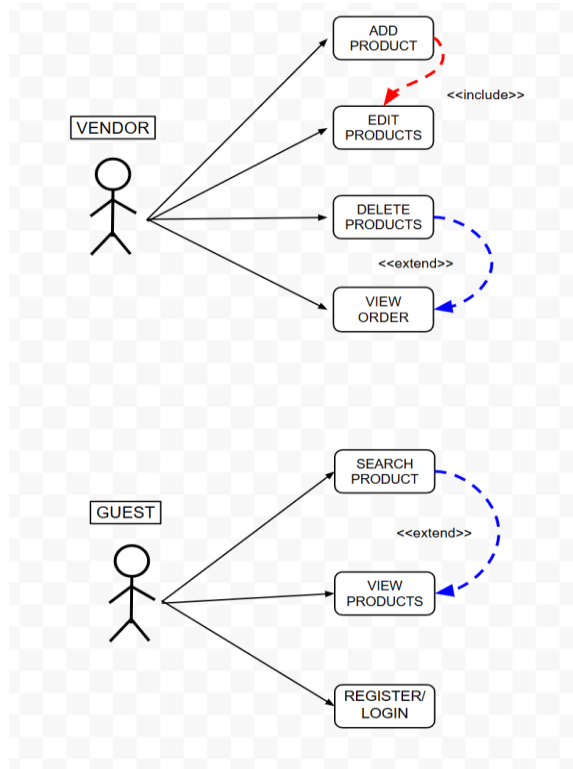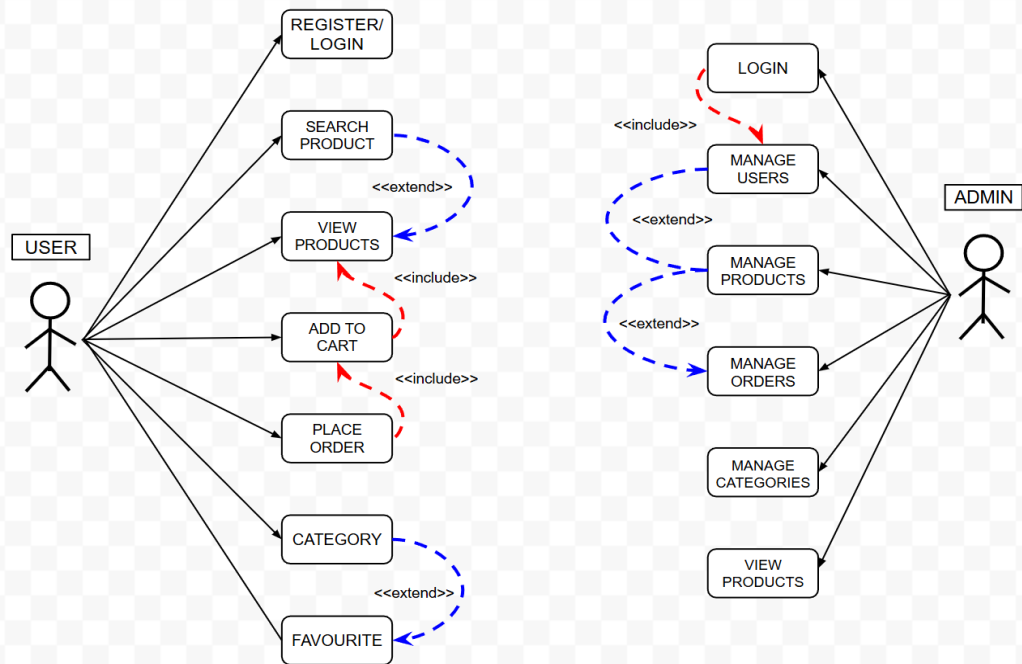# DELEVERABLE 2 – USE CASE DIAGRAM

FULL ERD

INDIVITUAL ERDs

FOUR MAIN ACTORS

1. **User:** This is a customer who has an account and is logged in.

2. **Vendor:** This is someone who sells their products on the website.

3. **Admin:** This is the person (or team) who manages the whole website.

4. **Guest:** This is someone who is visiting the website but hasn't logged in yet.

1. USER:

- **Register/Login:** This is how a user gets into their account. It's usually the first step for a returning user.

- **Search Product:** The user can type in keywords to find specific items they want to buy.

    o **<<extend>> relationship with View Product:** This means that the user can view the products without searching it

- **View Products:** The user can browse through all the different things available on the website.

    o **<<include>> relationship with Add to Cart:** This means that the user can only add the product to the basket after viewing the product

- **Add to Cart:** When a user finds something they like, they can put it in their shopping cart.

    o **<<include>> relationship with Place Order:** This means that to place an order the user must have already added items to their cart.

- **Place Order:** This is when the user confirms what they want to buy and pays for it.

- **Category:** way of grouping similar products together so it's easier for you to find what you're interested in.

  - ○ **<<extend>> relationship with Favourite:** This means that the user put the product to favourites without looking at the categories

- **Favourite:** If a user finds a product according to his liking, he can add it to favourites and can buy later

2. VENDOR :

- **Add Product:** Vendors can list new items they want to sell on the website.

  - ○ **<<include>> relationship with Edit Products:** The vendor cannot edit a product without adding it

- **Edit Products:** Vendors can make changes to the information about the products they're selling

- **Delete Products:** Vendors can remove products they no longer want to sell.

  - ○ **<<extend>> relationship with View Order:** The vendor can delete an item without viewing the Order

- **View Order:** Vendors can see the orders that customers have placed for their products.

3. ADMIN:

- **Login:** The admin needs to log in to access the special management tools.

  - o **<<include>> relationship with Manage Users:** The admin needs to login first to manage the users

- **Manage Users:** The admin can create new user accounts, change user information, or even delete accounts if needed.

  - o **<<extend>> relationship with Manage Products:** The Admin can manage the products and user accordingly

- **Manage Products:** The admin has overall control over all the products on the website. They might be able to approve new products, change information, or remove products.

  - o **<<extend>> relationship with Maanage Orders:** The Admin can manage the products and Order accordingly

- **Manage Orders:** The admin can oversee all the orders placed on the website, maybe to help with shipping or handle problems.

- **Manage Categories:** The admin can create new product categories, change their names, or remove them.

- **View Products:** The admin can see all the products listed on the website.

4. GUEST:

- **Search Product:** Just like a logged-in user, a guest can also search for products, but cannot checkout orders

    - **<<extend>> relationship with View Product:** This means that the user can view the products without searching it

- **View Products:** Guests can also browse through the available items.

- **Register/Login:** A guest might decide to create an account or log in if they already have one to get more features.