

Note: We decided to limit the scope of our project a bit, by removing suppliers, as we decided it would make it easier to understand if it was just us who was the supplier, and supplying the products (In the case that we can incorporate it again, we can). We had the same idea for the wishlist, but will keep it for now.

### **HIPO diagram explanation:**

Main Page: This is the main page of our system.

Admin: The admin manages customers as well as tracks orders. For managing customers, they oversee the customer accounts, which also updates the database and saves changes made to the customer's records. They also track orders as said before, where they can view and manage the status of orders, and change the state of the order, saving it to the database.

Customer: Here, The customer can add an order they made, manage the reviews they made, as well as delete or add a review, from which this updates the database of reviews (as well as having a wishlist).

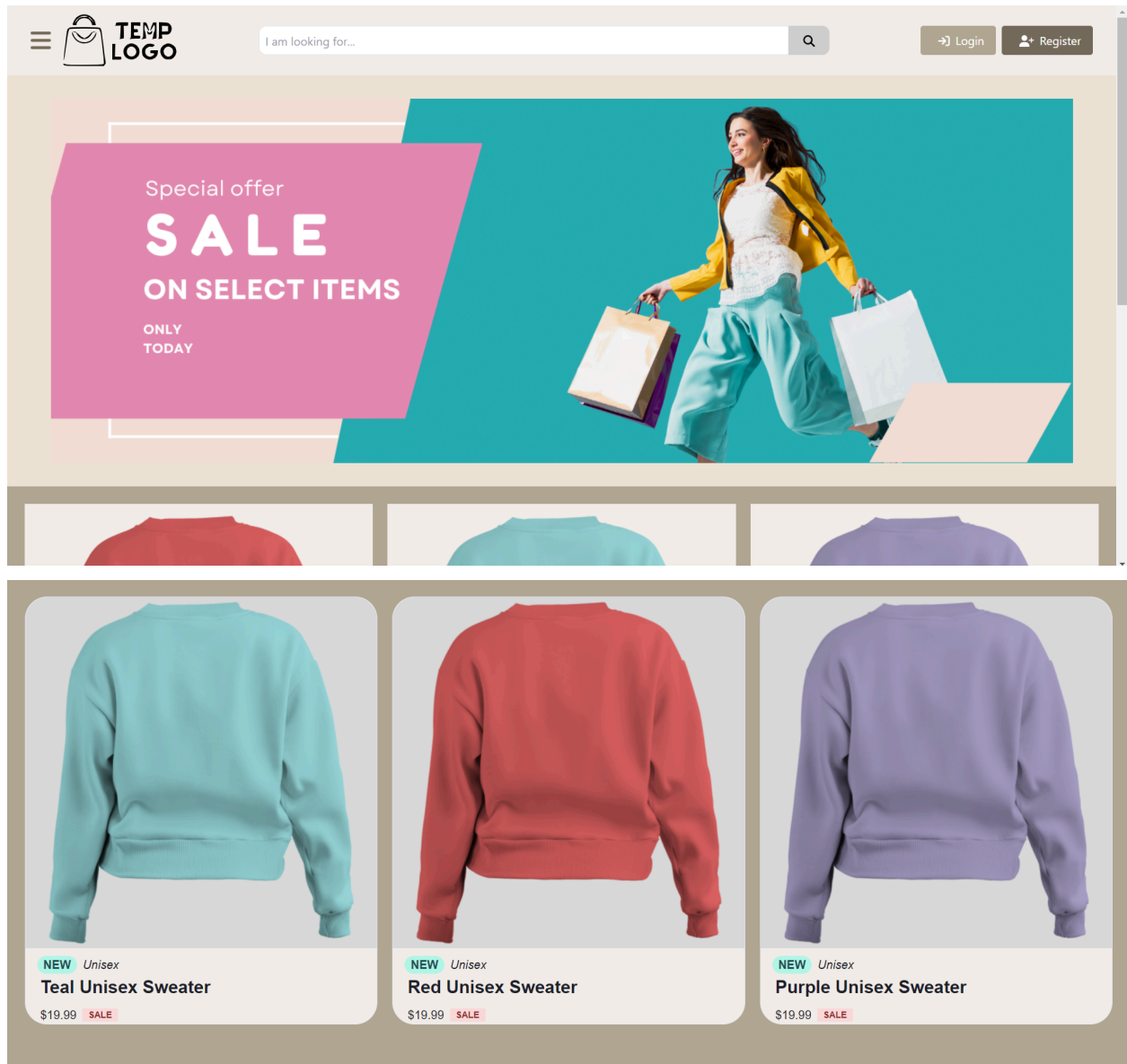
Order: Here, the order is linked with payment (so it can be paid for). The order itself can be assigned products or have products removed from it. The shipping (which would be included in an invoice), would also be there, as well as it being shown to the customer. (The database should already be updated as managed by an admin).

Product: The product section has a categorization, where products are organized into categories, an inventory check, where stock levels are monitored, an Add/Remove Inventory, the search enables searching for products within the system, and adding to order, is where products are added to a customer's order.

### **DFD Diagram (Self-explanatory)**

#### **Web design:**

So far, we have the main page set up like this:



As it is an ecommerce store, we want it to look visually appealing, as well as it being clear and concise where products are. From the main page, we have a login and register button for customers (and admins can login as well). The plan is to have a login/register page, where users can register and have their information saved into the database. For logging in, they would provide their details and be looked up in the database.

The rest of the website planning involves the products being clickable, and being sent to a page where the purpose of the product is clear, as well as its price (since that was one of our main goals with making this website).