**Final Specification**

**Core Functionality**

The Capture Cart includes some core functionality specified by the client when asked to create this product.

**Category**

Categories can be created and deleted; Categories are assigned with the products when products are created and user can view the products by category. This required some filtering which was done both in web server using PHP, MYSQL and client in JavaScript. User can click on the category and it will take them to correct products.

**Products**

Products can be view, on client products page and admin products page. Admin can create new products and assign to a category. They can also update/edit new products and also delete products.

On other hand, the customer, can view products, see their description and picture, they can add the products to the basket. There is no limit to how many products a single customer can buy.

**Basket**

There is an option to basket where customer can add products and buy as many products as needed, each time customer click on add to basket, it will automatically add the product id, name and price to the basket.

**Contact**

There is a form on contact us page, which will allow the customer to make any queries they have. This query can then be viewed in database by admin.

**Extended Functionality**

**Search**

There is any option to live search where the user type and products get filtered onto the client screen. On each key press, the product names are checked if exists and then match with the product.

**Image Upload**

There is any option to insert image so the client can view it. However, it doesn’t actually upload the image. It just insert the image from specific folder and display it on customer product page.

**Backend API**

The application interacts with database using the API I have created. I tried to make the API restful as possible.

I have used HTTP verbs such as GET, POST, DELETE, and PATCH, to support the API and interact the client side.

**Issues**

There are many issues with this website.

1. Category Filtering doesn’t work for admin products page.
2. Once the user clicked checkout after shopping cart, it doesn’t redirect them to different page and but add the shopping cart to the database.
3. Image upload doesn’t work some times.
4. No validation on any of the forms
5. Cannot delete products which are added to cart

**Functionality Needs Improving/Completed**

1. reporting page,
2. stock level checking
3. total price at checkout
4. Image Upload
5. Single product Page
6. Category