

Requirements for an E-commerce Site Front End development using HTML, CSS (Bootstrap) and JavaScript.

This requirement is not exhaustive but serves as preliminary document to identify the scope of work that needs to be done for the website in question.

1. The website is an standard E-commerce Dynamic Site for a company. There is no backend functionality at the moment but the frontend should be designed with the mindset that it will be driven to a large extent by a backend service in Asp.net.
2. The Website functionality pages are divided into two major categories Authenticated Access and Unauthenticated Access. The Authenticated Access is further divided into two main components Admin Authenticated and Regular User Authenticated.
3. Unauthenticated Access: The following pages are required and can be reached by anyone going to website, they don't need to sign in to view these pages.
 - a. Home Landing page with horizontal dropdown menus, carousel Slider that displays product images and featured products
 - b. About us and Contact us page – bear in mind that while the content at the moment can be static, it should be designed to be populated dynamically
 - c. Product and product details page – the product page will display image thumbnails of products and should be able to filter by Category. It should also include pagination if the number of products exceed the maximum allowed per page. Users should be able to select from a drop down the number of products to be displayed on a page. When the product is clicked it should open up to the product detail page where more details of the product are displayed. The Product should display the thumb nail image of the product, a short description, price and quantity on hand and if the quantity is 0 then should display Item out of stock
 - d. Services pages that display services that are offered and service details pages similar to Product and Product Details. Only difference is these are not added to a cart but opens a link to order page.
 - e. Order and Cart Check out Form to allow a user add products to the cart and then checkout for payment. (don't worry about the payment platform). During check out it should give them the option to check out as guest thereby not requiring a login or as a registered user where they can either sign up for an account or login to an existing account and then check out.
 - f. Customer registration Form:
4. Authenticated Access: Regular Users. These are the pages that users cant access unless the have an account and are signed in. A function on the front end should check if a user is signed in if any of these pages are attempted to be accessed and if the user is not signed in should redirect them to a login page and after sign in take them back to the originating page else they can access the pages
 - a. User Profile page
 - b. User Product Reviews
 - c. User account page where they can setup their payment methods
 - d. View Order Status

- e. View Past Orders, receipts
- 5. Authenticated Access: Admin Users. These are pages that only users with admin level access can access
 - a. Setup Page that has links to Category Setup, Product Setup, Service Setup
 - b. Product and Service pages that allows registered products to be updated
 - c. User Management that displays list of registered users and allows for their management
 - d. Order Management Page that allows a user to see products that have been purchased and their various status
 - e. Report Page that features various dashboards of Charts. _ will discuss more.

These are some of the requirements for now and as the project proceeds, some more requirements will be enhanced or changed. The most important thing is this is only Front end Design, the back end processes can be simulated or added statically as long as the design allows for it to be reused for dynamic updates from a database. The Style Sheets should use Bootstrap Framework or similar and if custom styles are used they should be on separate style sheet and documented. JavaScript should be used to do all form validations on the frontend and also used for checking authentication once they have been returned from the backend.