



CSE499 Project Report:

Joha's Gallery

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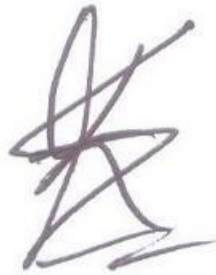
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CERTIFICATE OF APPROVAL

This is to certify that project report entitled **“JOHA’S GALLERY: A WEBSITE OF “ONLINE BASE CLOTHING E-COMMERCE SYSTEM”**, submitted by **Md. Sakib Ahamed Sohag** (Student ID #151014077) is an undergraduate student of the **Department of Computer Science and Engineering** has been examined. Upon recommendation by the examination committee, we hereby accord our approval of it as the presented work and submitted report fulfill the requirements for its acceptance in partial fulfillment for the degree of Bachelor of Science in Computer Science and Engineering



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1. ABSTRACT

There is nothing new to say about e-commerce. Because in today's world of e-commerce, there is no alternative language. From vegetables to CPU, we do order online. But in this case Joha's Gallery is a little different, which only provides dresses. This is the first clothing e-commerce site in Bangladesh that provides home service within 6 hours and if you order their product, the service is available for free. We will gradually expand in out of Dhaka. Firstly, our target group will be ladies, secondly kids, thirdly mans. One day all kinds of people will use a e-commerce and they will know another name of trust is "Joha's Gallery". Admin and user will have their personal profile on the website. User can cart product and can make payment through bkash and bank account with cash on delivery.

2. Overview

This project is about my 3 months long single project. During my project time, I have learned web development, new CMS and how to pursue clients. First of this semester, my supervisor asked me about my knowledge. Based on that, I think about web design and CMS framework development.

As a CSE student, I wanted to be a web developer. But very lacking's of guidance I was not able to develop. That time consulting with my supervisor, I decided that I will learn a CMS framework because there were many resources around me. So, after that I have started my work. I am proudest speaking that this time was very hard time and learning time for me. Finally, I have completed my work. But the environment plays an important rule for me.

It is one kind of online e-commerce site where man & woman can buy dress from site. To giving any kind of e-commerce suggestion consultation. Admin can see user's information. User can view product. They also can cart from this site their desired products. User can get voucher randomly. In this site there are three main categories. These are man's dresses, woman's dresses, and kid's zone also.

Joha's Gallery is a clothing buying site which provides offline and online service both and sell product through their e-commerce platform. This is my own Idea. My supervisor tells me concern about payment and security option. Because firstly we do not get the proper original handmade dresses. When we face any problem, we go Aarong. But Aarong takes products rate is too much. On the other hand, Joha's Gallery will provide home service within 6 hours after booking. This is the first time in Bangladesh. If anyone buy the product, they will get home service free in Dhaka.

2.1. Project Aims

"We are here for you" is my e-commerce slogan. People will come again with for buying dress. They must come with good rating. Because we will provide service within 6 hours. First 6 months we will provide gift of every user.

Our Technical goals are listed below-

- Primary goals are design and development for Joha's Gallery.
- Analysis user experience for this service.
- Provide an online platform for clothing products.
- Learning project scope through latest technologies, market analysis and documentation.
- Learning design and development of web application.
- Learning business strategy and arrange e-commerce product.
- Learning different techniques of data collection and analysis to extract the market demand.

2.2 Motivation:

Well, my project is e-commerce system where I want to sell dress, clothes, and fabric item. In our country maximum fabric brand make their clothes from village people like "Aarong" get their product from village people. Aarong designer design their product after that the other people make. And Aarong also provide training to their employees. Lots of brand and non-brand company used to buy their product from village people or from fabric workers and sell it high amount but the workers sometime get proper selling money and sometime get very little money. So, through this system I want to get them a facility to sell their own products and they can keep whole selling money and provide some commission to the people who help them to sell their products through the site. That is how they can sell their own products and get actual price of this product; it can remove poverty. Also, the owner of the product can buy or can rent the site that time they need not to provide commission amount. In Bangladesh there are lots of people with master's degree, but they did not find job that match with their expectation and lots of people still unemployed. They need to create their own work environment. So, I think fabric item is much popular among the country in fact also outside of this country. So, if one can start little amount of/ specific fabric business and can establish an e-commerce website for selling their goods that time he/she can remove his/her unemployment also can provide job to others. Here I choose or talk about e-commerce website because now a days people are like

to buy goods from online and one can easily reach or get to the huge customer through the e-commerce site. I already know there are lots of e-commerce site in this country. But these two reasons motive me to develop this site.

3. Methodology:

3.1. Project Specification

As in the literature review chapter we have identified the uniqueness of our system, also we have identified some additional features that can be added to our system in future. Our unique part is our management. WordPress woocommerce management system makes our site very easy to update and different. We need to make our site more user friendly.

Listed are the specifications of the Joha's Gallery project-

- Admin will monitor the database state.
- Admin can access product feature and product details.
- User and admin will have their own profile.
- User can access their own account and can edit product quantity.
- The e-commerce site will get the data through database.
- Without login user can view the product price. They also can use cart option.
- Home service will provide for user.

3.2. Framework and language

Set of requirements that are needed to achieve the specifications-

Using Software, Framework, and language:

- Server: Linux server USA for deployment.
- Programming Language: HTML5, CSS, Java Script, and PHP.
- Framework: CMS WordPress.
- Database: My SQL.
- Editor: Sublime Text.

3.3. Joha's Gallery Mission

- Wants to spread all over Bangladesh.
- Wants to be a symbol of fidelity to everyone.
- Making an incentive for their partners and clients.

3.4. Joha's Gallery Vision

- Building up strong customer and business affiliations.
- Give things and organizations of high and solid quality, ensuring an impetus for money to its customer.

3.5. CMS Framework used for we development.

3.5.1. WordPress

World's one-third websites under the power of WordPress. WordPress is a top-level content management system that people can download and install for free. It has some unique features that tops the list of the three most often used site building package in the world, followed by Joomla and Drupal. WordPress is used to run complex sites for large multinational corporations, manage small businesses, and create personal blogs. WordPress sites can contain full-service e-commerce stores, showcase a portfolio, or host a social network, group, or podcast [7].

WordPress sites are high ranking for their keywords. Basically, the sites are constantly being updated a variety of tools and plugins for optimizing content for SEO (Search Engine Optimization).

Mobile responsive is a big factor in Google ranking, so website needs to look good on any device. Users can make static responsive sites using WordPress plugins and adjustment the theme files.

3.6. Woo-Commerce Plugin that I have used for my website.

Woo-Commerce is the world most popular e-commerce solution. Its core platform is flexible and amplified by a global community. Woo-Commerce plugin

giving freedom of open source that means we retain full ownership of my store content and data forever [8]. Advantages are-

- Create enticing storefronts with themes suited to brand and industry.
- Create beautiful, enticing storefronts with themes suited to your brand and industry.
- Rise to the top of search results by leveraging WordPress' SEO advantages.

4. System Development Strategy:

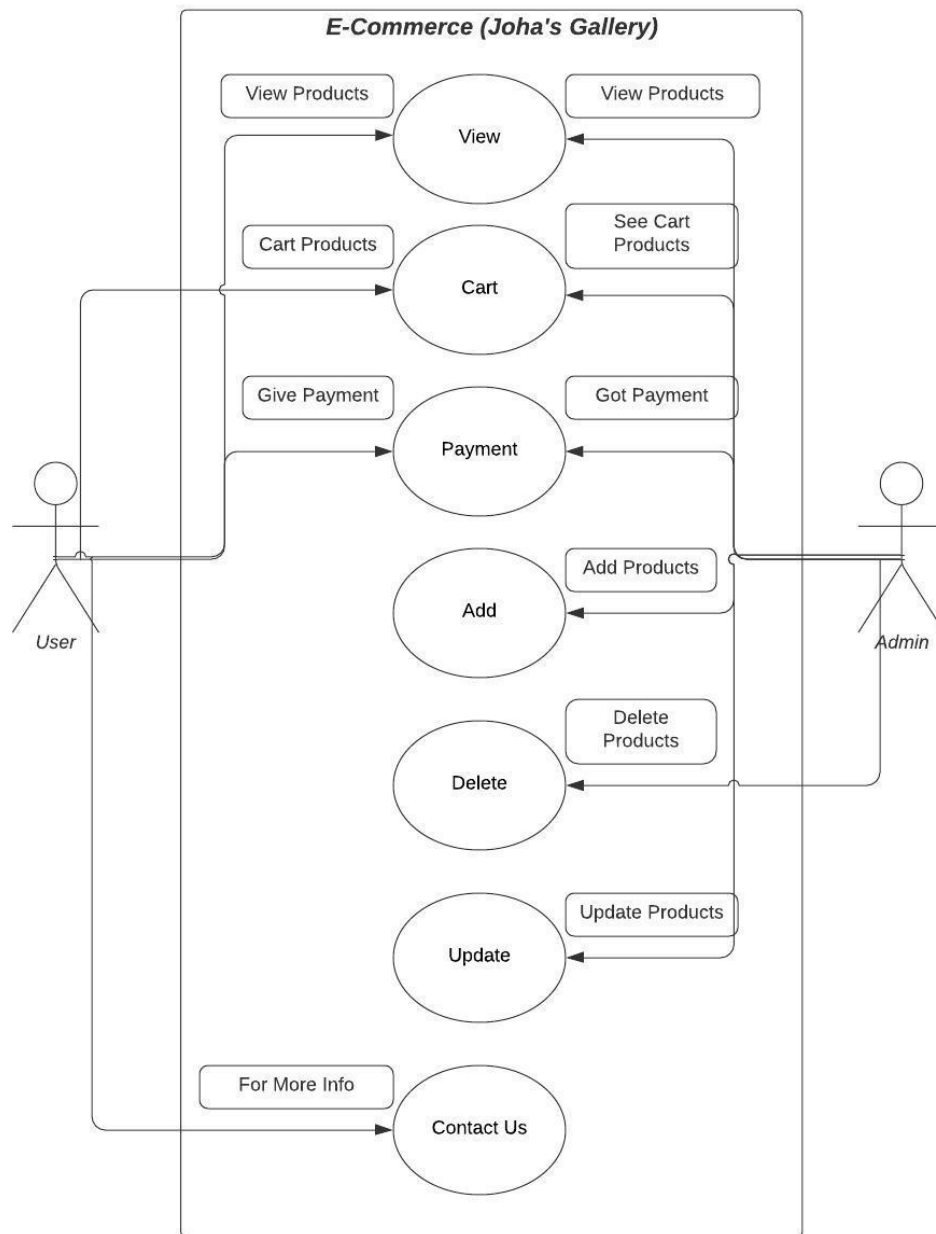


Figure No 1: Use Case Diagram

Context Level DFD

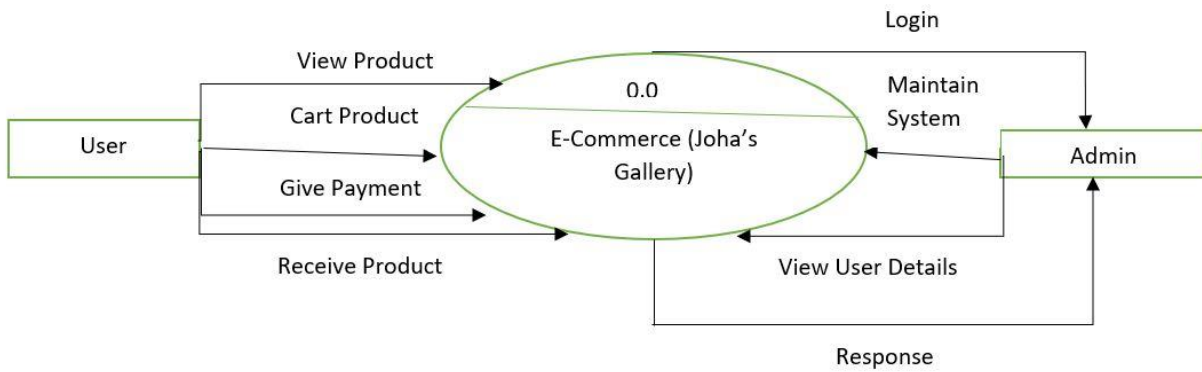


Figure No 2: Context Level DFD

5. RESULT ANALYSIS

The previous chapter showed the development process of our system. We can see the overall development process can be divided into two major portions, admin side and user side. And the implementation of these two sides lies on Admin panel and web view respectively.

The development of Joha's Gallery consists of two major parts.

- Admin Panel
- User

5.1. Admin Panel

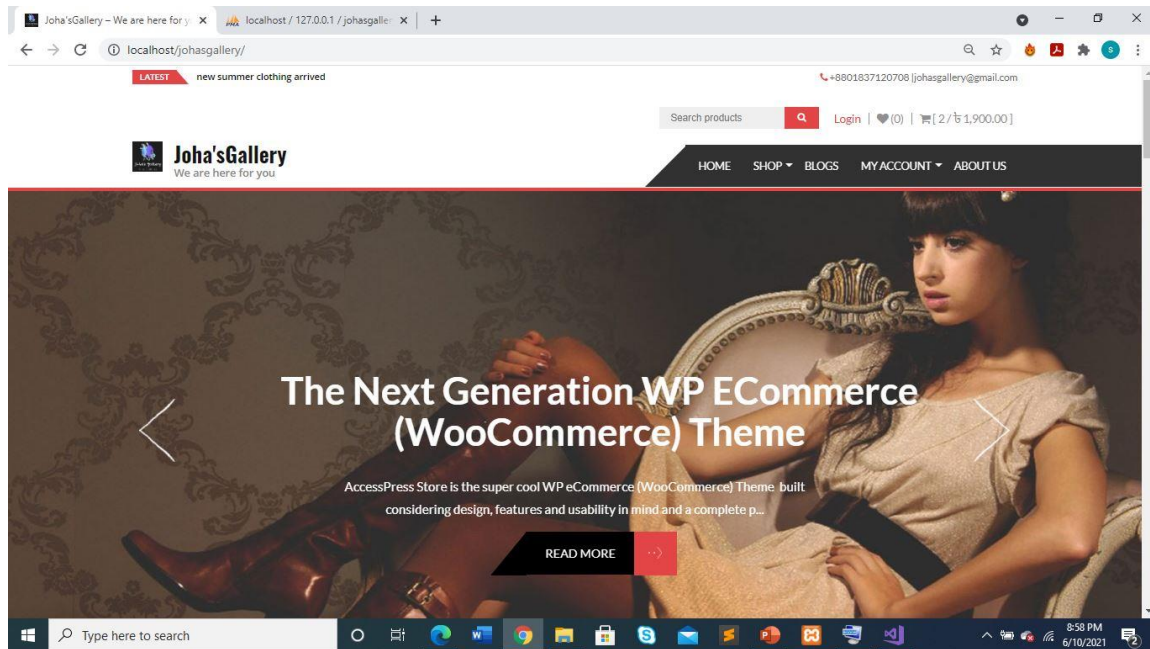
Admin panel is developed by WordPress woo-commerce plugin. Admin can change data through WordPress admin panel dashboard. The web page designed by HTML5, CSS and Java Script. The main 9 Page of admin panel are:

- Pages
- Theme option
- Woo-Commerce
- Products
- Analysis
- Users
- All-in-One WP Migration
- WP Mail SMTP
- Side Cart

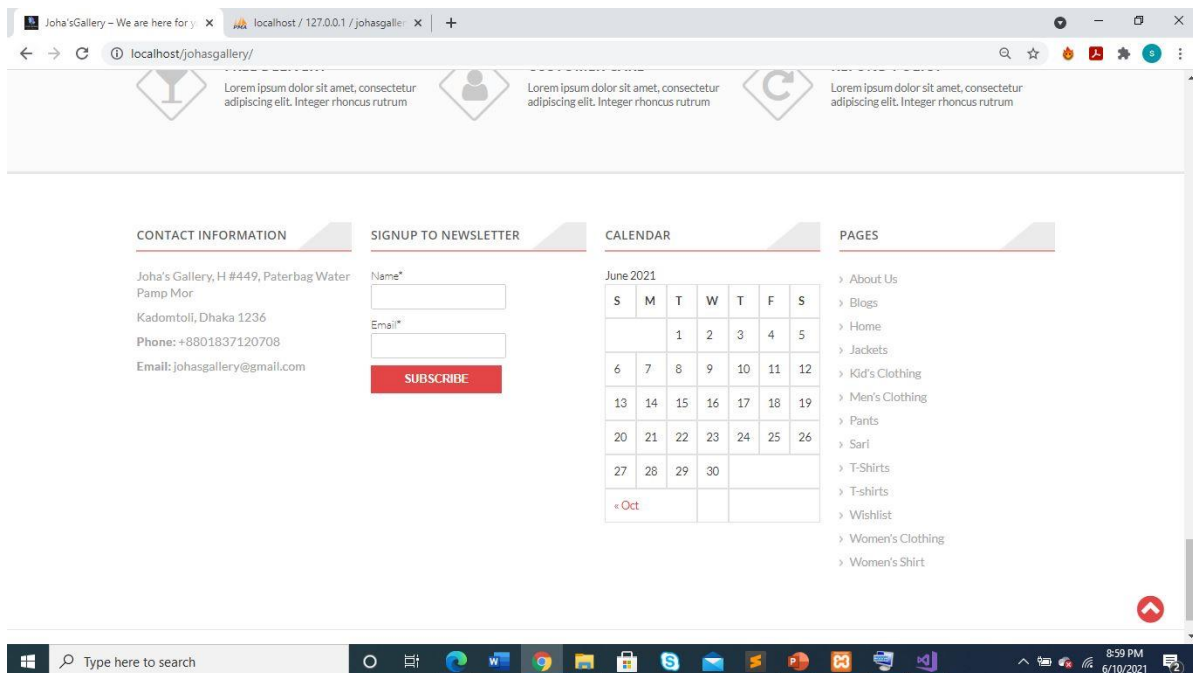
Above of them Woo-Commerce, Products, Theme option, Product and analysis are for manage products and customers. Media option is for picture and video upload and Sine Cart is for maintain user cart function management. Page's option is for maintain Home, Login, Registration, Shop, Service, Checkout, and cart page. Theme options are divided into general option, footer, and export/import. Woo-commerce option is the main part of whole project maintenance. It is work for manage order, customer, coupon and status. Another

basic part is Product parts. Product option will manage add product, product status, category, and tags. Analysis part will be discussed in the next chapter.

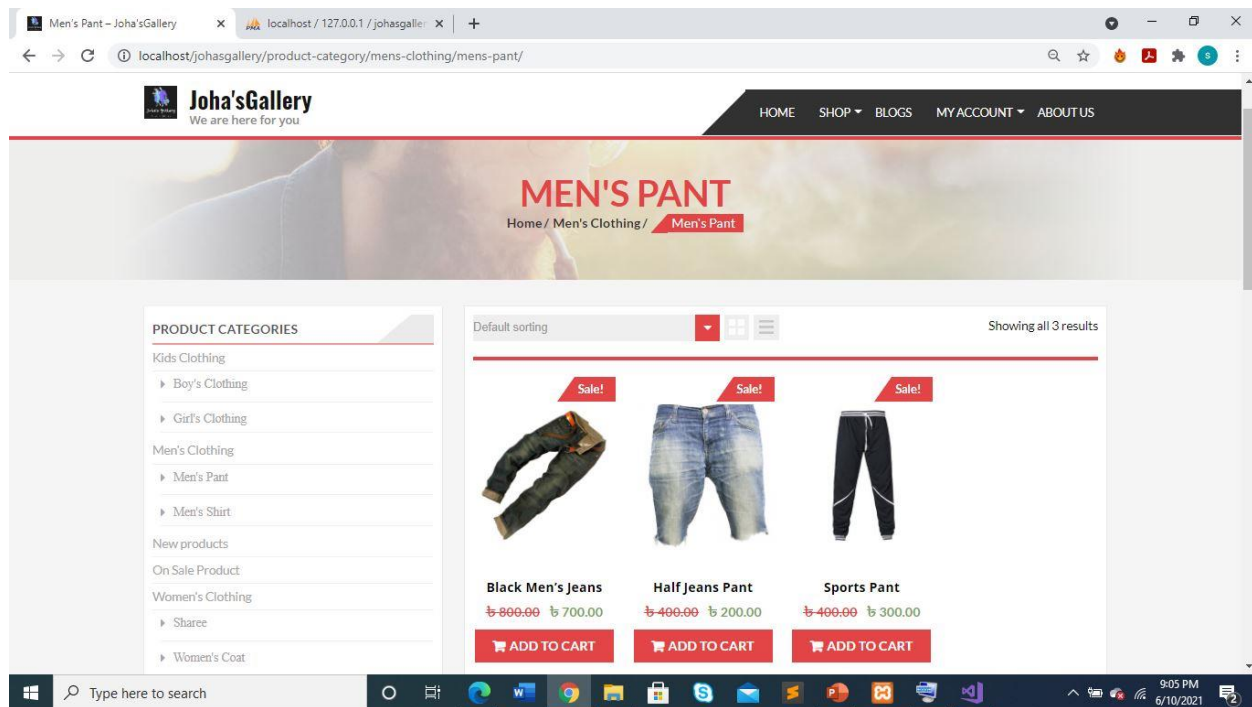
6. GUI (Graphical User Interface):



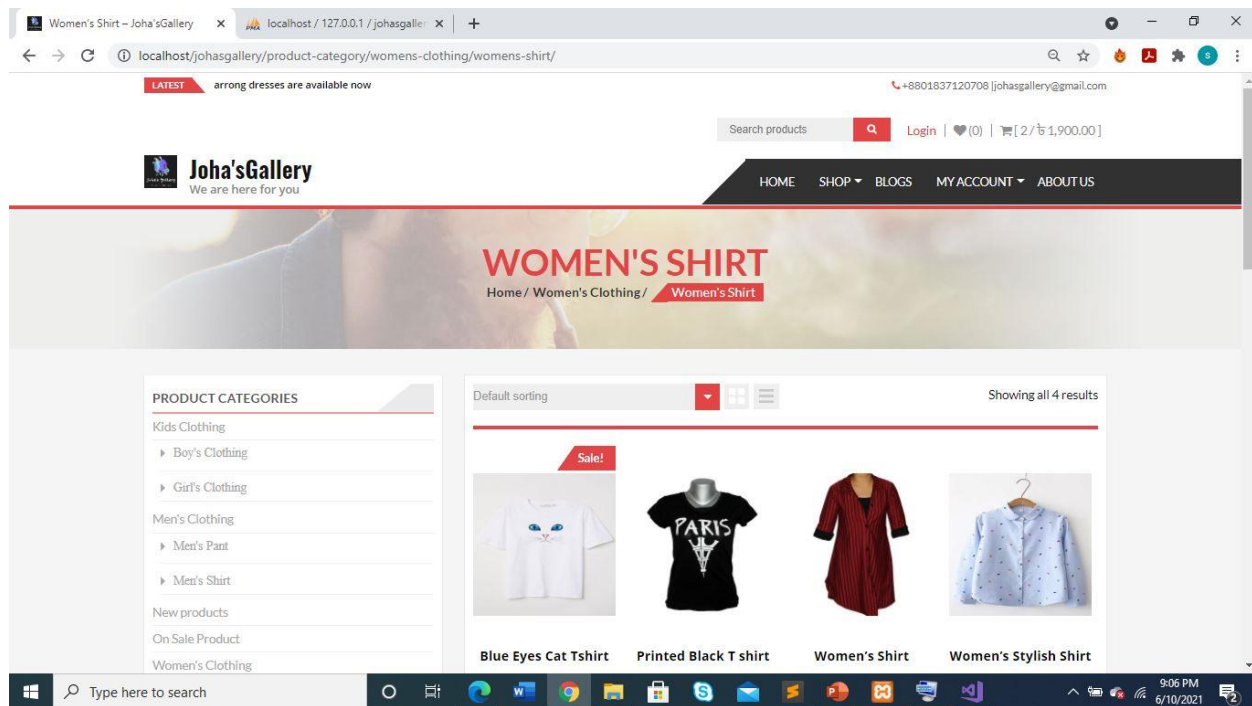
Homepage



Footer

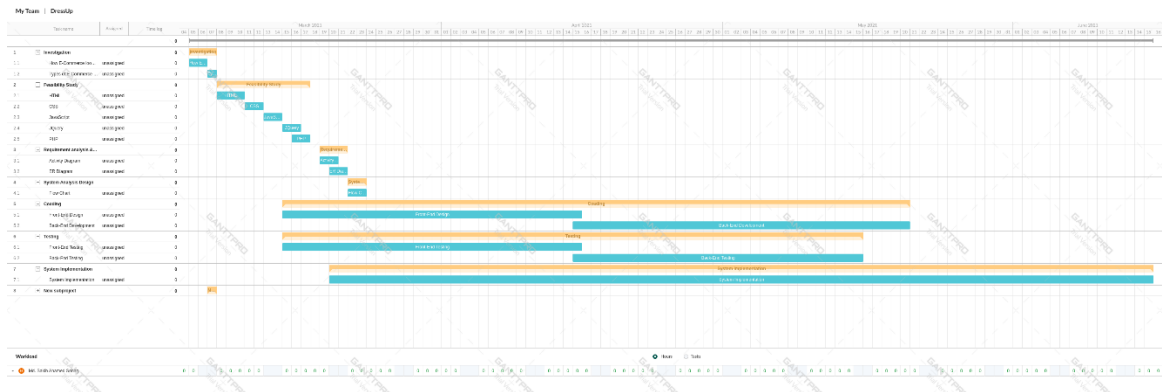


Product View



Product View

7. Timeline:



8. References:

- [1] Sam O'Brien. Everything you Need to Know to Enhance Your Career in a Booming Industry. Jobs in Ecommerce. Accessed on: Jan. 20, 2021. [Online]. Available: <https://www.bigcommerce.com/blog/ecommerce-jobs/#why-look-for-an-ecommerce-job-right-now>
- [2] CPR (October 2010). Importance Of E-Commerce Website. Consultpr.net. [Online]. Available: <https://www.consultpr.net/importance-of-e-commerce-website#:~:text=An%20e%2Dcommerce%20website%20also,services%20and%20make%20them%20better.&text=Thus%2C%20ecommerce%20development%20is%20highly%20important%20in%20today's%20competitive%20environment>
- [3] Gryson Lafrenz (July 14, 2017). Why Is E-Commerce So Important?. Blog post. Power. Retrieved from: <https://powerdigitalmarketing.com/blog/why-is-e-commerce-so-important/#gref>
- [4] [Internet]. coderpuja.com. 2021 [cited 10 January 2021]. Available from: <https://coderpuja.com/techplus/>
- [5] Machielle Thomas. (June 27. 2018). What is WordPress? 8 Benefits of Using WordPress. Bluehost blog. (Accessed on: 21 January 2021). Retrieved from: <https://www.bluehost.com/blog/8-benefits-of-using-wordpress/>
- [6] Automatic. WooCommerce. Plugin. (Accessed on 10 January 2021). Retrieved from: <https://wordpress.org/plugins/woocommerce/>
- [7] Alexander Ouellette. (Updated on 20 September, 2017). What is Bootstrap: A Beginners Guide. Career Foundry. Available from: <https://careerfoundry.com/en/blog/web-development/what-is-bootstrap-a-beginners-guide/>

[8] [Internet]. Opensource CMS. (Access on: 12 January 2021). Retrieved from: <https://www.opensourcecms.com/>