



An Undergraduate Internship Project on E-color, An E-commerce Website

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Science in Computer Science

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Attestation

This is to affirm that the report named "E-color" was finished by Nusrat Jahan Antora (ID-1730963) submitted in halfway satisfaction of the necessity for the Degree of Computer science and engineering from Independent University, Bangladesh (IUB). It has been finished under the direction of Md. Abu Sayed (Internal Supervisor). I likewise guarantee that all my work is unique and has not been submitted prior to this college or some other organization. Every one of the wellsprings of data utilized in this Task Report has been properly recognized in it.

Signature

Date

Write Your Name Here

Name

Acknowledgement

At the absolute beginning, I might want to thank the Almighty Allah for every one of His endowments which assisted me with finishing this report effectively.

I might likewise want to thank every individual who sympathetically gave me data and gave me direction for making this report. Right away, I might want to express gratitude toward the Department of Computer Science, Independent University, Bangladesh for illuminating me over time.

I want to offer my thanks to my Faculty supervisor Md. Abu Sayed from the center of my heart for his caring help, oversight, guidelines, and guidance for the fruition of this report.

I'm likewise appreciative to the entire group of "PAP International LTD" for giving me the freedom to work with them in their IT division and furnishing me with the information and experiences that were needed for making this report. Additionally, I might want to say thanks to the Chief Technology Officer for directing me all through the program.

At last, I might want to thank every one of the resources and tutors all through my 4-year bachelor in Computer Science and Engineering program at Independent University, Bangladesh. Every one of these aided me to improve see about the current world and to conquer any test given to me.

Letter of Transmittal

12 September 2021

Md. Abu Sayed

Lecturer

School of Computer Science and Engineering

Independent University Bangladesh

Subject: Submission of Internship Report

Dear Sir,

It is an incredible joy for me to introduce the internship report on "E-color" under the IT Department of PAP International LTD. For the finishing of my Bachelor of Computer Science and Engineering Degree, I got this as my task. I'm happy to inform you that, I have effectively finished my 12 weeks of Internship at PAP International LTD, under the oversight of my company supervisor. It was an incredible encounter for me to work at PAP International LTD. I'm very appreciative to you for your direction what's the more, kind procedure on this report. I would be thankful on the off chance that you generously go through my report and assess my presentation.

I implore and trust this report will be very fascinating and satisfy your assumptions. I have attempted my best to keep away from my inadequacies and expectation that my report will fulfill you. I additionally might want to thank you again for offering me the chance to present this report.

Sincerely,

Nusrat Jahan Antora

ID:1730963

Evaluation Committee

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Supervisor

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Convener

Abstract

In this report, I have extravagantly clarified the construction and designs of the E-business based site named "E-COLOR". I have examined the target of the task, subtleties on administration in developing the site to its organization. Moving forward I have disclosed the philosophy used to finish the site beginning from arranging, to working, to testing out to sending. Prior to starting to fabricate a venture It is important to investigate the result, draw graphical clarifications of the site and also to think about the outcomes lastly to acquire the investigation from the site. The entirety of the viewpoints with respect to each factor have been examined underneath. Aside from the clarification of the venture I have shared expounded my entry level position insight . As an assistant of the organization, I was allocated with liabilities that I performed distantly. Previously being allocated to any project, I began with learning HTML, CSS, PHP, Laravel , Bootstrap, also, JS. Moreover I had the chance to find out about helpful abilities and stunts in fostering a completely useful, proficient, easy to use responsive site.

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Chapter 1

Introduction

1.1 Overview/Background of the Work

In this report I am portraying my work, information execution and my work experience being in the developer group of the organization. I explicitly will clarify the angles over a particular task. Since the undertaking is a customer based/organizations property I'm not allowed to portray a great deal of viewpoints. Thus, I'm making a basic clarification demo to show my commitment to this undertaking. In this online business site project, I am utilizing HTML, CSS, PHP, Laravel, Bootstrap, and JS. The site is named "E-color". It is an E-trade site where clients can undoubtedly book items on the web. From the site client can see the model number of the item, nitty gritty depiction of the item also, explicit audits on the particular item. The primary advantage of this site is that it keeps up with the realness of the organization, client fascination and client adaptability.

1.2 Objectives

The principal objective of the venture is to guarantee simple requesting measures for the customers. After the world was hit by the worldwide pandemic all buyers transformed them into on the web shopping which amplified the deals on stores. In this manner to make the requesting cycle quicker is one of the principal objectives. Likewise another fundamental goal of the site is the legitimacy of the organization. Another goal is to distribute more subtleties of the item. To indicate, the site isolates the item for people in two unique pages separately. The site shows about the brands the organization is associated with.

1.3 Scopes

Features available to the user after the development of this web application:

- Landing page- The first page the user will see after visiting the website
- Displays different types of products of the company.
- Displays different types of trending products of the company.
- Displays product categories.
- Details of the products for better understanding of the customer.
- Search option to look for any specific product.
- Put products into carts .
- Remove product from the cart.
- Buy the product after giving address and payment details.
- Displays different types of products which are ordered and their status.
- Contact Us page- where the user will be able to contact the company directly.
- About us- where users can learn more about the company.

Chapter 2

Literature Review

2.1 Relationship with Undergraduate Studies

As studying Computer Science designing (CSE), scarcely any courses can be connected with my work. As my work is coding and investigation based, the given courses from scholarly helped in my corporate. CSE 203, Data Structures: This is the most basic course that helped us with the ideas of several data structures and their applications such as Stack, Queue, Linked List, Array, and Pointer and so on. CSE 213, Object-Oriented Programming: This course taught how to plan for a project step by step and more about the backend coding for a project. . It also taught how to write modular programs which made codes less repetitive and more reusable. CSE 303, Database Management: This course helped in learning of plans needed for the project. The architecture of the system and more about fetching data, that is about databases. It covered popular planning and strategy practices such as Six Element Analysis, Problem Analysis, System Development Life Cycle, Rich Picture, Requirement Analysis, Entity Relationship Diagram, Business Process Model, and Normalization CSE 307, System Analysis and Design: This course gives an overview of Used Case Diagram, Used Case Scenario, SDLCs and how to adopt each one of them to the project. CSE 309, Web Application and Internet: This is the course where the development of web applications was taught. It covered very important technologies that are highly in demand in the industry, such as HTML, CSS, JavaScript, jQuery, Node.js, Front-end framework, developing responsive and mobile-first websites. CSE 451 Software Engineering: This course helped me learn how to gather requirements, information and methodologies for the system. And also which method needs to be used in which project and also SDLC.

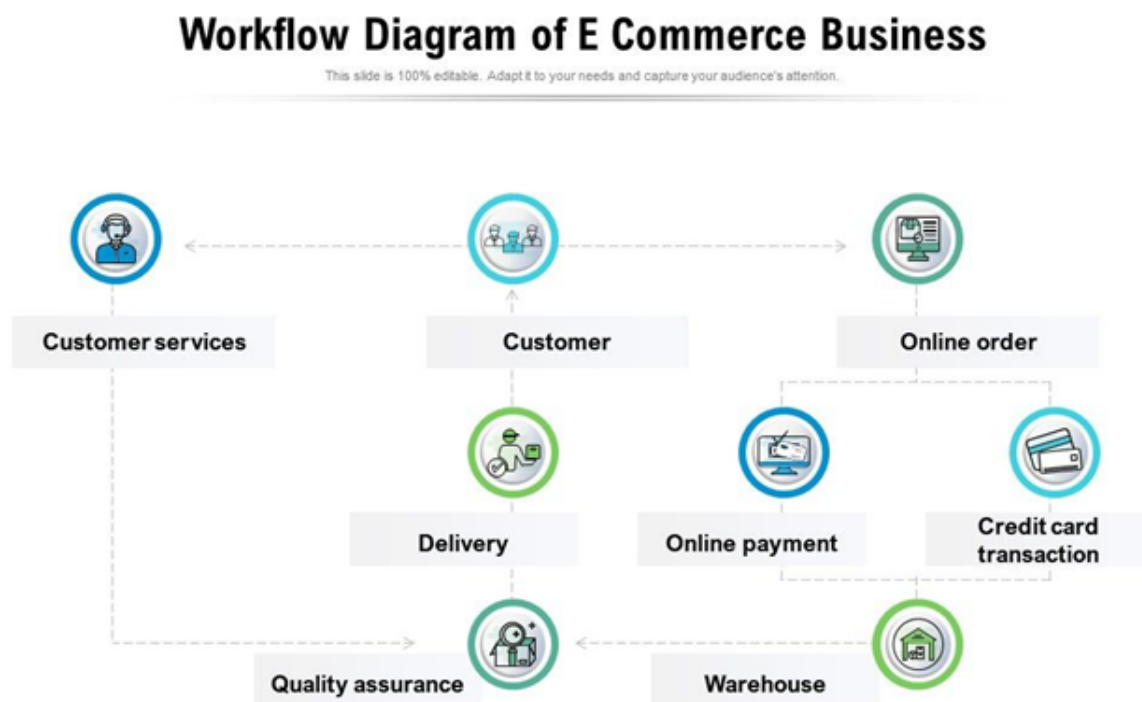
2.2 Related works

Prior to beginning the undertaking, to conquer issues and furthermore to study the advancement of such internet business few examination papers, diaries and online articles were investigated. In this part of report I have referenced how I studied such improvements, the way toward creating and the necessary things that acquired from looking into various distributed examination papers on E-Commerce.[1] Aaftab Aalam referenced the first objective of a web based business website is to sell labor and products on the web. Internet shopping may be a kind of electronic shopping store where the client is straightforwardly online to the dealer's PC generally by means of the net. The go-truck is particularly valuable for those who haven't time to travel to shop. Go-trucks might be a significant component utilized in online business to assist with people making buys on the web. Satyam Sharma referenced E-trade site configuration as the technique for molding the coding modules in HTML, CSS3, JavaScript and Bootstraps for plans, interfaces and data for a framework to fulfill simple necessities. [1] Web based business is a blast in the advanced business. Web based business implies electronic trade. Web based business (Electronic trade) includes purchasing and selling of labor and products, or the sending of assets or information, over an electronic organization, prevalently the Internet. Online business (Electronic trade) is a change in perspective affecting the two advertisers and the clients. Maybe online business is something other than another approach to support the current strategic policies. It is driving a total change in conventional methods of working together. This critical change in plan of action is seeing a huge development all throughout the planet and India isn't a special case. A monstrous web infiltration has added to development of E-trade and all the more especially new companies have been progressively utilizing this alternative as a separating plan of action. In addition E-Commerce has huge effects on the climate. Albeit the model is profoundly utilized in current business situations yet the alternative has not been investigated at its fullest. The flow research has attempted to portray the situation of E-Commerce, examine the patterns of E-Commerce. The investigation further looks at the key factors basic for the achievement of E-trade plans of action.[2] Quite possibly the main patterns in the previous many years is the developing utilization of the Internet and correspondence advancements (ICT). Web and related advancements significantly affect the manner in which associations direct business. Web advances and ebusiness give new freedoms to organizations to contend in the worldwide market and assume a significant part on the planet's economy. In spite of the huge examinations in the field of e-business, it requires more extensive investigation in investigating e-business seriousness and markers which empower to quantify e-business cutthroat limits. The paper expects to create a hypothetical system of e-business intensity. After investigation of e-business variety, reasonable model representing the

intensity of internet business as quite possibly the main exercises of e-business is introduced. This model incorporates four distinctive however interrelated degrees of investigation: organization level, industry level, country level, and worldwide level. [3]
Framework Module Description:

- Coding (HTML, CSS3, JavaScript, Bootstraps)
- Seller
- Customer
- Management
- Delivery

A work process graph was added and I followed it.



I have investigated another paper on Development of an Electronic Commerce WEB Application. Segun O. Olatinwo² proposed another framework. The recently proposed framework is PC driven. The framework is a change of the different elements of the past framework, with better and productive routine execution. The plan takes into comprehension the info, yield and the speed of preparing data. The central points considered during the plan are the info and the yield, which was the principal issue of

the past framework. The equipment and the product for the proposed framework were both introduced to test the usefulness of the framework. During testing mistakes were distinguished and repaired, corrections were made to equipment establishment at first carried out.

Today E-commerce is positively one of the business choices. It gives numerous options to all normal clients just as little, medium and enormous scope business. Internet business is on the ascent, with systems administration and PC innovation propels occurring at a fast speed. Since 1969 to today's 2020 internet business development occurs. The current investigation has been embraced to depict how the excursion of internet business started and how its development started step by step. The timetable of the show which major occasions occurs with years.

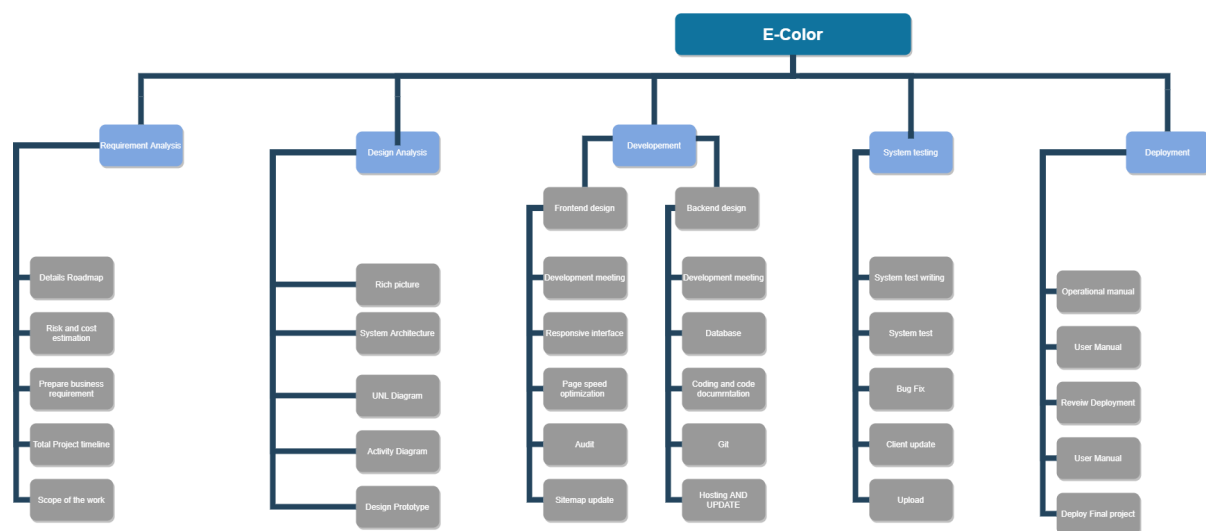
After the Internet and internet transformation happen the electronic trade becomes another arising and continually changing area of data innovation and business the executives. With this mainstream web office, the electronic trade (online business) a recent fad of business has arisen and in very time it has become well known. Internet business incorporates 1) electronic business of physical products and intangibles actually like data. 2) All the means remembered for exchange are very much like internet promoting, requesting , installment and conveyance. 3) The electronic arrangement of administrations, for example, after deals support and online lawful counsel. 4) Electronic help for coordinated effort with ventures. Online business is another moving idea that portrays the way toward purchasing and selling and trading of items, administrations and data by means of a PC network with web availability.

Chapter 3

Project Management & Financing

3.1 Work Breakdown Structure

Breaking work into more modest errands is a typical usefulness procedure used to make the work more reasonable and congenial. For projects, the Work Breakdown Structure (WBS) is the instrument that uses this strategy and is quite possibly the main task the board archives. It covers a visual of the multitude of degrees, hazards, marks of communication, obligations, expenses and ensures that it doesn't avoid fundamental expectations. Underneath I have exhibited our WBS. Work Breakdown structure(WBS) is a strategy from projects the executives utilize for finishing complex and multi-step projects by breaking it into little advances which can be finished by various group gatherings and individuals.



In the above WBS Structure we have exhibited how we separated the work for improvement of the E-color. We partitioned the significant gatherings in Necessity Analysis where prerequisites will be investigated and accumulated from customers. Moving towards the Layout planning where starting arrangement with System

Architecture, UML graphs are thought of. Then, at that point the advancement division both for the FrontEnd and Backend was divided. After that The venture will go through the gathering of User acknowledgment testing lastly for sending and Live. The WBS, when made as altogether as could be expected, is the guide to direct you to the culmination Of what might appear to be an extremely convoluted undertaking. In any case, when broken down with a WBS, the task unexpectedly turns out to be substantially more reasonable.

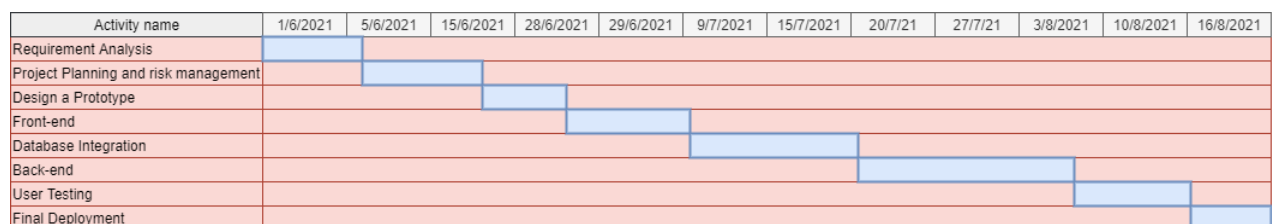
3.2 Process/Activity wise Time Distribution

The table beneath shows the time allotment of the work.

Activity name	Days	Work Percentage
Requirement Analysis	5	5
Project Planning and risk management	10	6
Design a Prototype	13	9
Front-end	10	20
Back-end	6	40
User Testing	5	15
Deployment	7	5
Total	56 Days	100%

3.3 Gantt Chart

We have utilized the Gantt Chart to plan and timetable every one of the exercises that were required to finish the task.



Gantt Chart is a graphical clarification of an undertaking. It is a sort of Bar outline that shows the time start, time-frame and the end season of the task till arrangement.

The Level line shows the measure of work done in specific timeframes. In the abovementioned diagram I have stamped the tick and showed the time span of the working for each portion.

3.4 Process/Activity wise Resource Allocation

Requirement Analysis: Requirements Analysis is the way toward characterizing the assumptions for the clients for an application that will be constructed or adjusted. It includes every one of the assignments that are directed to distinguish the requirements of various partners. In this way, prerequisites investigation intends to break down, report, approve and oversee programming or framework necessities. In armada the board framework prerequisite investigation takes around 15 days and is considered 5 percent of the complete work.

Frontend Design: Visual communication design alludes to the manner by which we orchestrate the components on a page which makes up the substance of a plan. The point of design is both to pass on the message accurately and to introduce data in a legitimate, cognizant way making the significant components stick out. For the visual depiction format of armada the board framework, we utilized Adobe XD which is a vector-based client experience configuration apparatus for web applications and versatile applications. This takes around 10 days and considered 6 percent of the all out work.

Development: A product advancement measure is the way toward isolating programming advancement work into more modest, equal or consecutive advances or subprocesses to further develop plan, item the board, and venture the executives. It is otherwise called a product advancement life cycle (SDLC). The system might incorporate the pre-meaning of explicit expectations and relics that are made and finished by a project group to create or keep an application. This is one of the significant periods of armada the executives framework which takes around 13 days to finish and considered 40 percent practically 50 percent of the all out work.

Activity name	Days	Work Percentage
Requirement Analysis	5	5
Project Planning and risk management	10	6
Design a Prototype	13	9
Front-end	10	20
Back-end	6	40
User Testing	5	15
Deployment	7	5
Total	56 Days	100%

Acceptance Testing (UAT:) Client Acceptance Testing (UAT) is a kind of testing performed by the end client or the customer to check/acknowledge the product framework previously moving the product application to the creation climate. UAT is done in the last period of testing after useful coordination and framework testing are finished. Quality confirmation is likewise taken into consideration in this stage. This takes around 10 days and is considered 5 percent of the all out work.

Deployment: At long last, after the endorsement from the customer, the task is facilitated on the customer's area and facilitation and the FMS is given over to the customers and vital preparation is given to the customer. This takes around 5 days and considered 7 percent of the all out work.

3.5 Estimated Costing

The assessed cost was determined based on customers necessities, cut off time, size, functionalities and plan of the site. This incorporates pre-planned subjects, talk choice, online media association. The expense of space and facilitating was additionally added. The aggregate assessment for the customer was BDT 17,500/- Only.

Work Distribution	Costing
Web Development	15000
Domain & Hosting	2500
Total	17500

Lesson learned:

Problem: Tragically my temporary position was at Coronavirus pandemic so we needed to proceed with telecommute half of time in view of pandemic so I didn't get sufficient opportunity to straightforwardly work and speak with my seniors and there I had a few issues seeing a few issues. what's more, doing them alone was somewhat intense.

Solution:

Keeping a whatsapp , team meet, Discord and telegram bunch assisted with facilitating correspondence holes with other office workers. My manager and seniors likewise helped me a great deal.

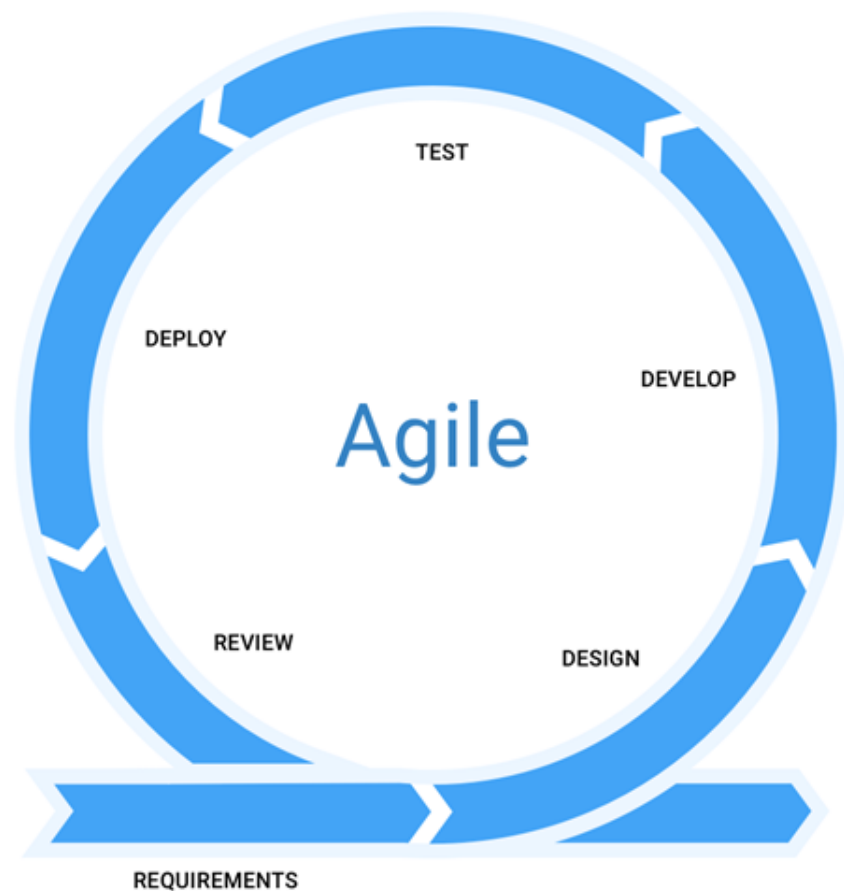
Chapter 4

Methodology

For this undertaking i picked The Agile strategy is an approach to deal with a task by separating it into a few stages. It includes consistent cooperation with partners and constant improvement at each stage. When the work starts, groups' cycle through an interaction of preparation, executing, and assessing. Consistent cooperation is indispensable, both with colleagues and task partners. In this undertaking I have utilized the deft system for our turn of events.

- Requirement analysis
- Planning
- Software design such as architectural design
- Software development
- Testing
- Deployment

Agile model



I have adjusted this for a few reasons:

- It has a lower cost, as there is consistently an extension for amendment and changing the execution and complete something better as the undertaking develops.
- It empowers our customers to participate in the advancement interaction and voice what they need from our program and think about their criticism to make the finished result better.
- It empowers us to transparently speak with the customers, take their ideas and dreams, and furthermore show them what different choices we have and how we can make it better by talking about ourselves.
- Debugging and testing becomes simpler as we are continually checking for absconds and blunders and fixing them as we go, and not at the total finish of the

undertaking. In this manner, making us more cutthroat on the lookout and different designers too.

- Evaluating and planning time is accelerated extraordinarily as every emphasis comprises of a little part of the whole undertaking, so we can complete it and afterward center around the following Maybe than the entire venture.
- Assessments are made rapidly, and the item is assessed at each phase of the measure.
- It is simpler to ensure that our item is meeting the necessities mentioned at each stage.
- High item quality is guaranteed through ordinary testing to ensure the item is working during the advancement stage.
- It empowers constant and customary testing during the advancement interaction.
- Consumers are included and occupied with the interaction making them more certain on our item and empowering us to comprehend them better.
- If anything isn't good or acknowledged decidedly, it very well may be immediately changed in the next cycle.
- Agile cycle empowers more authority over the undertaking through day by day gatherings.
- Agile gives the chance when fresher changes should be fused.
- The purchasers' necessities and inclinations can be adjusted to, in the turn of events measure.
- A practical prepared to utilize item is made get-togethers few emphasis subsequently more useful.
- A Every emphasis permits changes to be made to the item effectively causing it to develop and create.
- Users are given main concern, and this guarantees the item is valuable and attempts to meet their requests each phase of the way.
- Small groups work better utilizing coordinated improvement measure as on engineer can have different abilities and can use them at a few phases of the cycle without clashes.

Agile software processes, like outrageous programming (XP), Scrum, Lean, and so on, depend on prescribed procedures that are considered to further develop programming advancement quality. One might say that accepted procedures plan to actuate programming quality confirmation (SQA) into the current endeavor. A few analysts of deft strategies guarantee that due to the actual idea of such techniques, quality in spry programming undertakings ought to be a characteristic result of the applied strategy. As an outcome, dexterous quality is relied upon to be pretty much implanted in the coordinated programming measures. Many reports uphold and proselytize the upsides of dexterous strategies as for quality affirmation, Is it so ? An aspiring objective of this paper is to introduce work done to see how quality is or ought to be taken care of. This paper as all study papers endeavor to sum up and puts together exploration brings about the field of programming, exactly for the subject of nimble strategies identified with programming quality [4]

Chapter 5

Body of the Project

5.1 Work Description

The site for E-Color is an online e-commerce store that sells services and products. The fundamental point of the site is to check their organization and furthermore to drive clients to the site from their Facebook Store. Likewise on site they can give more straightforward data about their items. As an understudy my work was to plan the frontend additionally contribute in backend (being under the oversight of the senior designer) of the undertaking with the assistance of various instruments like Bootstrap HTML, CSS, PHP, jQuery, Laravel and so on and fabricate the backend so the two can be associated.

5.2 Requirement Analysis

Rich Picture

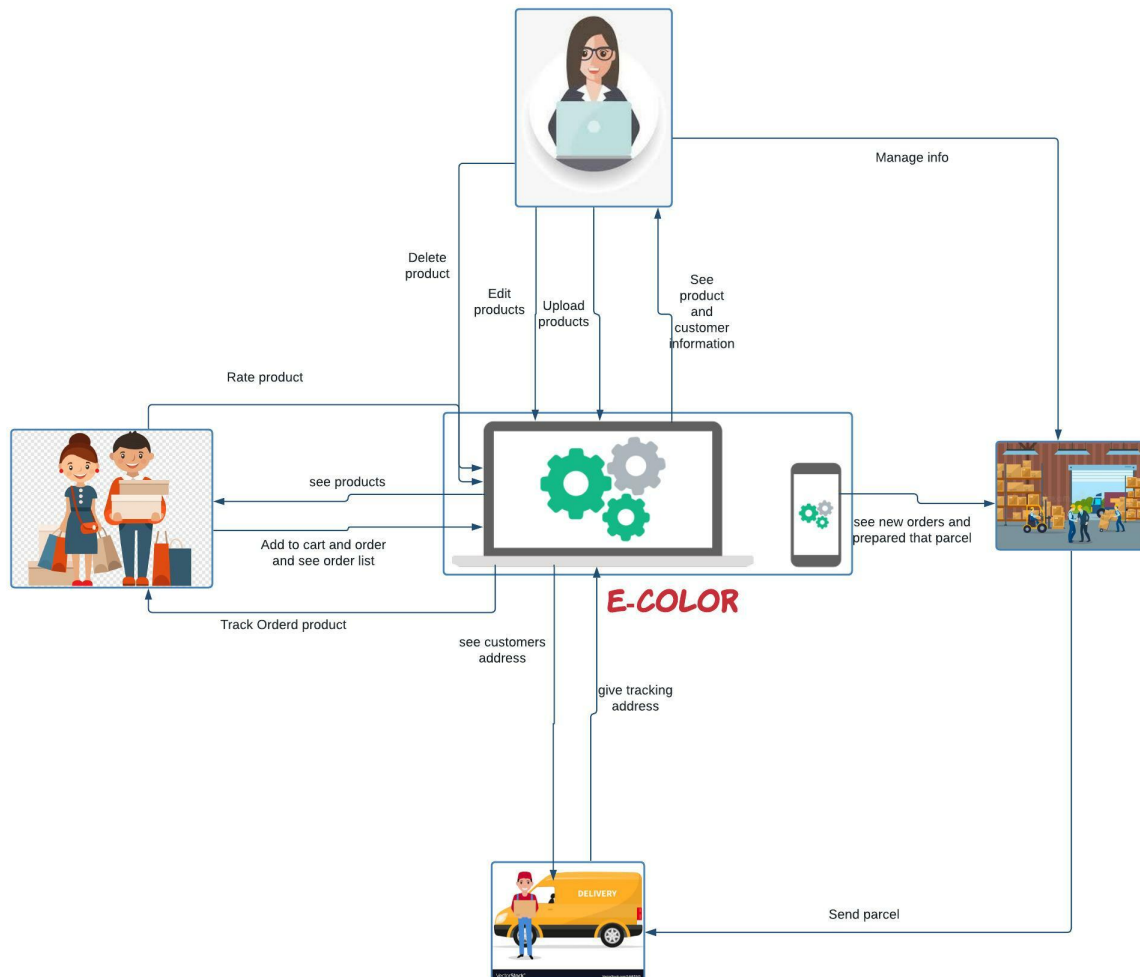


Figure: 5.2.1 Rich Picture of The System

Functional and Non-Functional Requirements

Functional Requirements

Authority

- Add Product New products must be entered in database
- Update Product Any changes in product should be updated in case of update by admin interface
- Delete Product Wrong entry must be removed from system opr product those are not available anymore or out of stock/
- Inquiry Registered Customers Inquiry all current enrolled customers to view their details

- Check out product Any ordered product must be checked out
 - Check in sold product after receiving any selling product system will re enter product by Checking
 - Prepare Shop database All databases must be prepared.
 - Authentication Customers must authenticate before accessing system
 - Search Product Customers can search any product
 - add to cart After successful searching Customers can add item to cart for checkout
 - Check Account This use case is used to check account details
 - Register user Customers must full fill all application form for registration
- Non-Functional Requirements
- Security: Only authorized users can access the system with username and password. If the password is wrong or email is wrong then it will show an error message
 - Performance: Easy tracking of records and updating can be done by admin panel easily.,
 - User Friendly: The System is very interactive. And smooth so that users can understand from their first use.
 - Maintainability: Backups for databases are available. So data erase is not possible
 - Service: The system will run 7 days a week, 24 hours a day

5.3 System Analysis

5.3.1 Six Element Analysis

Process	System Roles					
	Human	Non-computing Hardware	Computing Hardware	Software	Database	Communication & Network
Choose Products	Customer	N/A	Laptop/Desktop Computer	XAMPP, VScode, Chrome Browser	Live Server Database on MySQL	Wifi or Mobile data for the internet connectivity
Upload New product	Admin	N/A	Laptop/Desktop Computer	XAMPP, VScode, Chrome Browser	Live Server Database on MySQL	Wifi or Mobile data for the internet connectivity
Delete/Edit products	Admin	N/A	Laptop/Desktop Computer	XAMPP, VScode, Chrome Browser	Live Server Database on MySQL	Wifi or Mobile data for the internet connectivity
Search product	Customer	N/A	Laptop/Desktop Computer	XAMPP, VScode, Chrome Browser	Live Server Database on MySQL	Wifi or Mobile data for the internet connectivity
Add product into a cart and Place order	Customer	N/A	Laptop/Desktop Computer	XAMPP, VScode, Chrome Browser	Live Server Database on MySQL	Wifi or Mobile data for the internet connectivity
Remove product from a cart	Customer	N/A	Laptop/Desktop Computer	XAMPP, VScode, Chrome Browser	Live Server Database on MySQL	Wifi or Mobile data for the internet connectivity
Order products	Customer	N/A	Laptop/Desktop Computer	XAMPP, VScode, Chrome Browser	Live Server Database on MySQL	Wifi or Mobile data for the internet connectivity
Deliver the product	Delivery man	N/A	Laptop/Desktop Computer	XAMPP, VScode, Chrome Browser	Live Server Database on MySQL	Wifi or Mobile data for the internet connectivity

Table 5.3.1: Six Element analysis of E-color.

Clarifying the above table of six component examinations, the initial step is picking the nudge uct where clients/clients assume their part. Clients can pick their ideal items from the site from his/her shrewd gadget. The following stages are transferring new items, update, erase and alter. Here the job is played by the administrator of the site, where the administrator can transfer new items, update subtleties of the item, update, erase and alter transferred items. And afterward the following stage is assessing items from trucks and spot requests. This job is played by the client where the client can survey their item added to the truck and if needed they can put in a request. Ultimately, the last advance is dispatching the requested item by client. In the event that the item is accessible, the conveyance kid will get an approach for conveyance.

5.3.2 Feasibility Analysis

Our product ‘E-Color’ Website has been thoroughly analyzed in a comprehensive feasibility study before a decision is made to go ahead or not. What are feasibility studies? A feasibility study is a comprehensive report about a project that details clearly the strengths, opportunities, weaknesses and threats of a given business undertaking and whether or not the company has the required resources, legal wiggle room and the technical capacity to undertake the project as designed. Different types of feasibility studies address a different aspect of a project. In case the project is not viable then the project is redesigned, cancelled or modified to accommodate the requirements dictated by the study Technical feasibility: PAP International LTD is a startup company yet inside an extremely brief time frame they figured out how to function with extremely famous organizations of our country. They are completely equipped for transforming a planned framework into a real working framework. All the equipment, programming, and other specialized prerequisites expected to finish this task are accessible making this venture in fact practical.

Legal feasibility: As the area of e-commerce is developing step by step it was important for the organization to mind the brand name and authorization of the organization. It was tracked down that the organization meets laws that are identified with us.

Economic Feasibility: The expense and advantages of this site have been thought of in this segment. The site doesn’t contain any secret expenses for clients. They expect to benefit from the land dealings made when guests study the land from the site and choose to make a buy.

Operational Feasibility: The continuous pandemic and monetary circumstance make the site truly possible as it is currently extremely hazardous to go to stores and actually take a look at the items actually. With the assistance of this site, clients and clients can without much of a stretch observe all the important data that is expected to assist with making them make a purchase

Scheduling Feasibility: To make a task fruitful, complete an undertaking at the guaranteed time. However, the task was finished in due time as the public authority declared a lockdown and the representatives were influenced by COVID19. Customer was guaranteed about it and they didn't have any issue with the deferral.

5.3.3 Problem Solution Analysis

There were various issues we confronted while fostering the venture likewise were addressed appropriately. A portion of the issues were –

- Hashing Password: There was an issue with the laravel to get the User/Admin secret phrase inside the data set, which has been fixed.
- Product Category: There was a classification and sub-class embeddings issue for every item, which has been settled.
- Order Status: Showing status contrastingly for every item, like the present request, conveyed request, forthcoming request. These issues have been tackled.
- Track Order: After requesting an item, there was some issue in really taking a look at its condition, it has been addressed.

Admin product edit: admin needs to edit the product and there was some problem and the problem is fixed.

5.3.4 Effect and Constraints Analysis

The site allows the customers to see extraordinary items and guarantees genuineness of the organization. customers can put in a request for their ideal item. Be that as it may, our framework has a few limits that are yet to be created and tackled. We comprehend that Pursuing any item from an online site abandons danger. That is the reason the organization is encouraged to keep Cash on conveyance alternatives with the goal that clients can check and make the compensation ment and if not preferred they can return. We are as yet flourishing to bring out more changes furthermore, add more components to our site that would help and empower to an ever increasing extent individuals to begin this act of checking the online business sites rather than buying from Facebook stores and disconnected. This won't just make individuals' lives simpler however will likewise be a major benefit during the continuous pandemic.

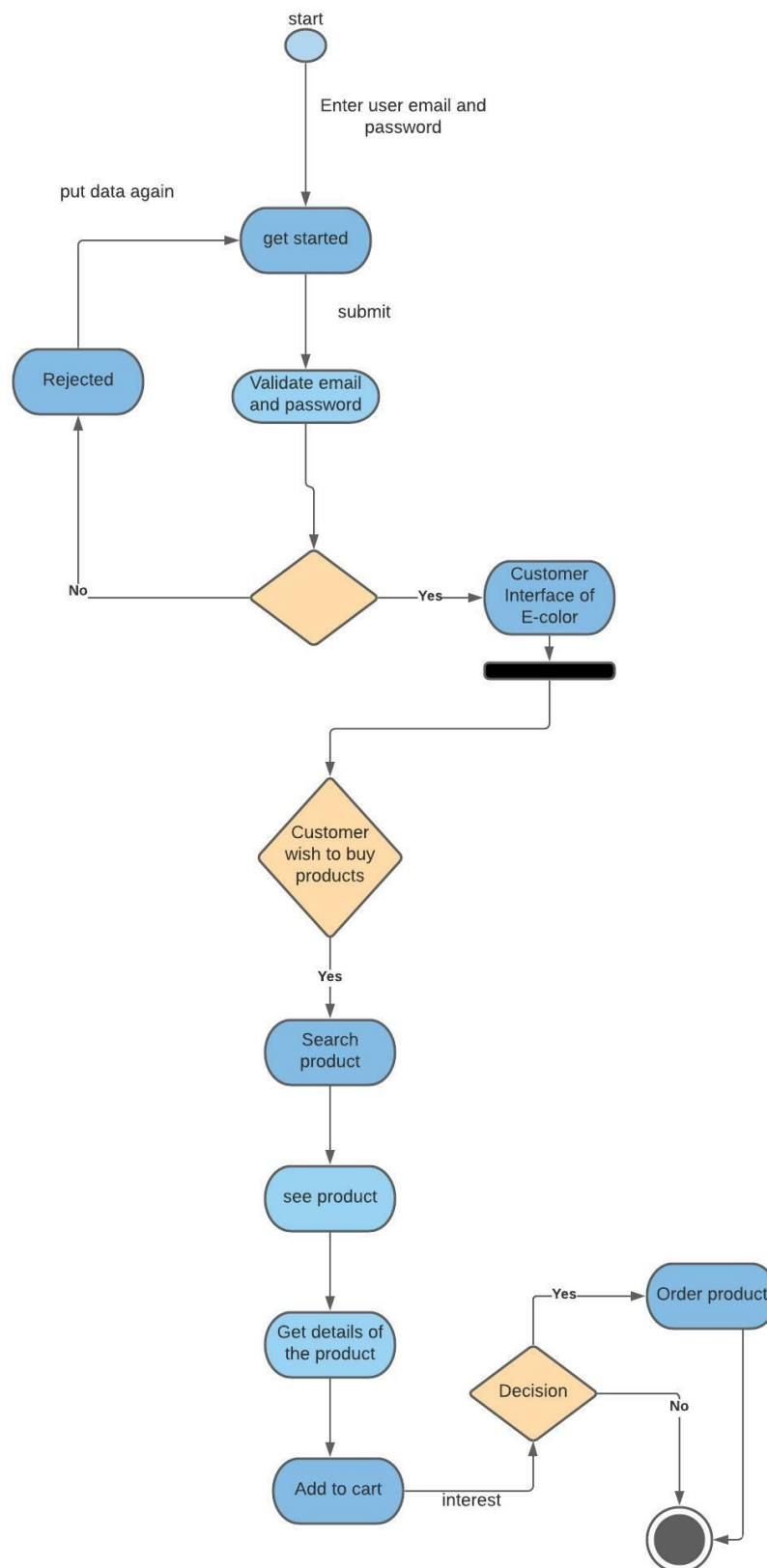
5.4 System Design

UML Diagrams

UML outlines show the progression of one movement to another. The action graph of the client and administrator help to imagine the progression of their movement in

graphical structure.

USER Activity Diagram The Activity Diagram is a significant UML chart that shows the progression of one action to another. Underneath I have exhibited the action of a client of the framework .



User Activity Diagram

In the above Activity Diagram, the cycle is begun in the wake of visiting the URL of

fleet Management system. At the point when client inputs their qualifications, whenever endorsed and approved, client will/can look through an item, see subtleties and continue to put in a request. In the event that the certifications doesn't approve, will show mistakes and request to be included once more. In the wake of performing the action, at long last, the interaction is ended at logout. Admin Activity Diagram The Activity Diagram is a significant UML outline that shows the progression of one movement to another. Underneath I have exhibited the movement of an Admin of the framework.

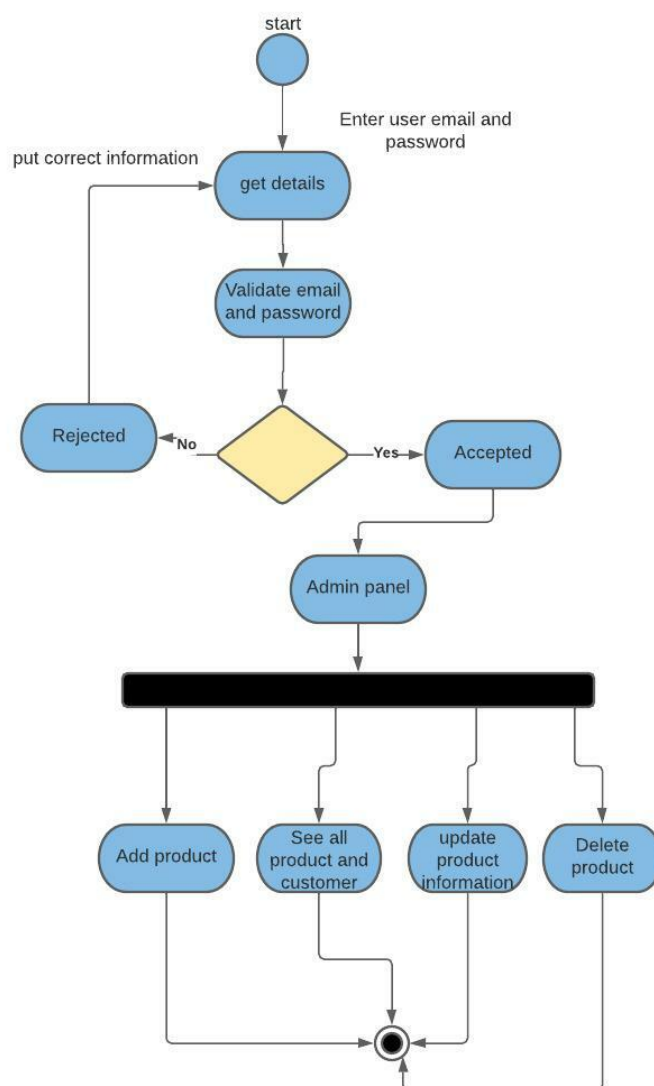


Figure: 5.4.2 Admin Activity Diagram

When admin inputs accreditations, whenever endorsed and approved will be signed in to the admin board , and will actually want to see orders, oversee orders, Update, erase , add . After playing out the action, at last, the interaction ended at logout. Use case diagram

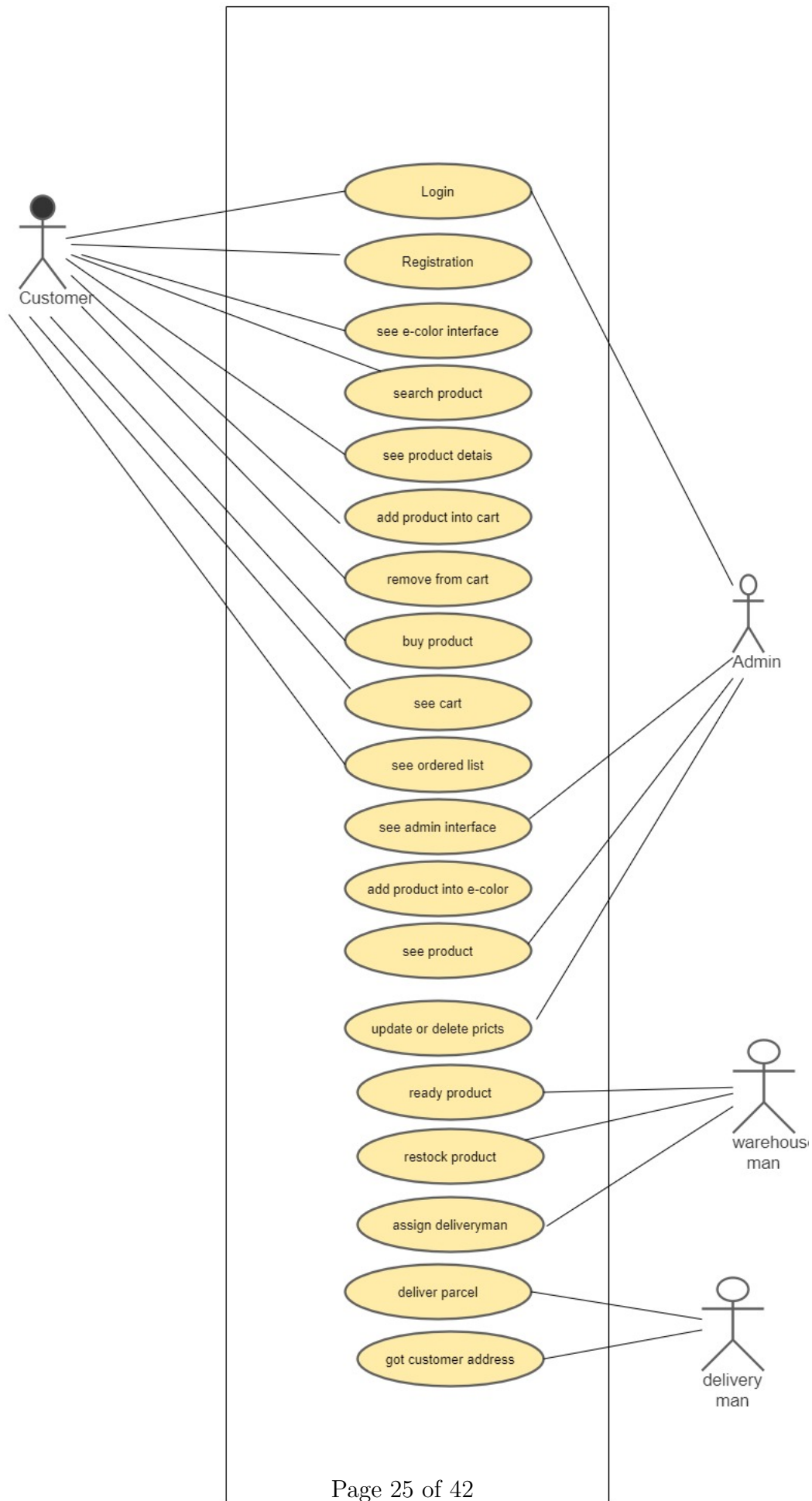


Figure: 5.4.3 Used Case Diagram of The System

Architecture

To develop this project, MVC pattern has been used. The model contains a function which is used to insert, retrieve and update information from the database. The view contains the data that is presented to the user. The controller is used to connect model and view to process HTTP access and this generates a web page. Controller receives all the requests and passes it to the model and view. When a user visits the website it views information.

5.5 Product Features

Input

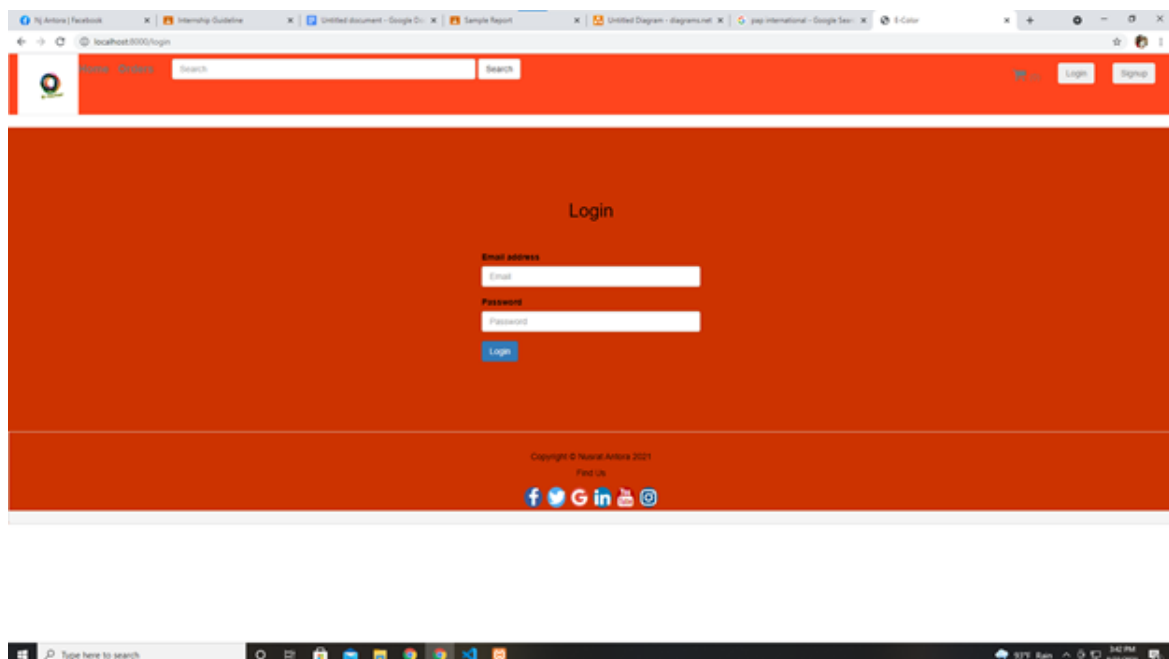


Figure: 5.5.1 Login interface

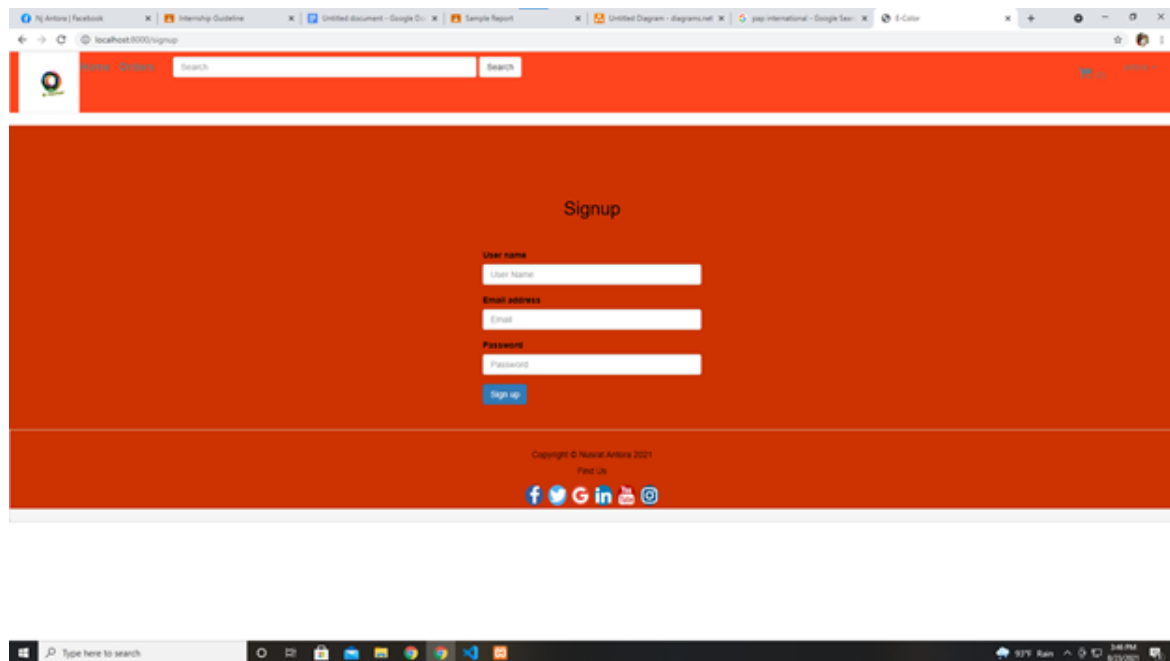


Figure: 5.5.2 Customer signup interface

Output

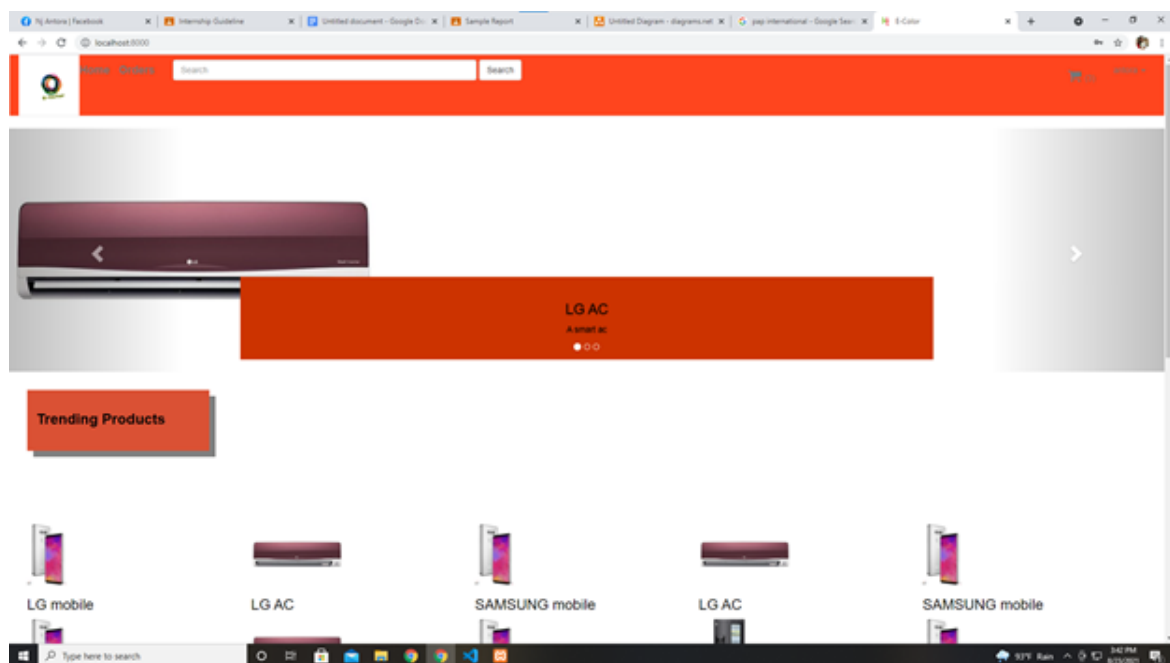


Figure: 5.5.3 Customer home page interface

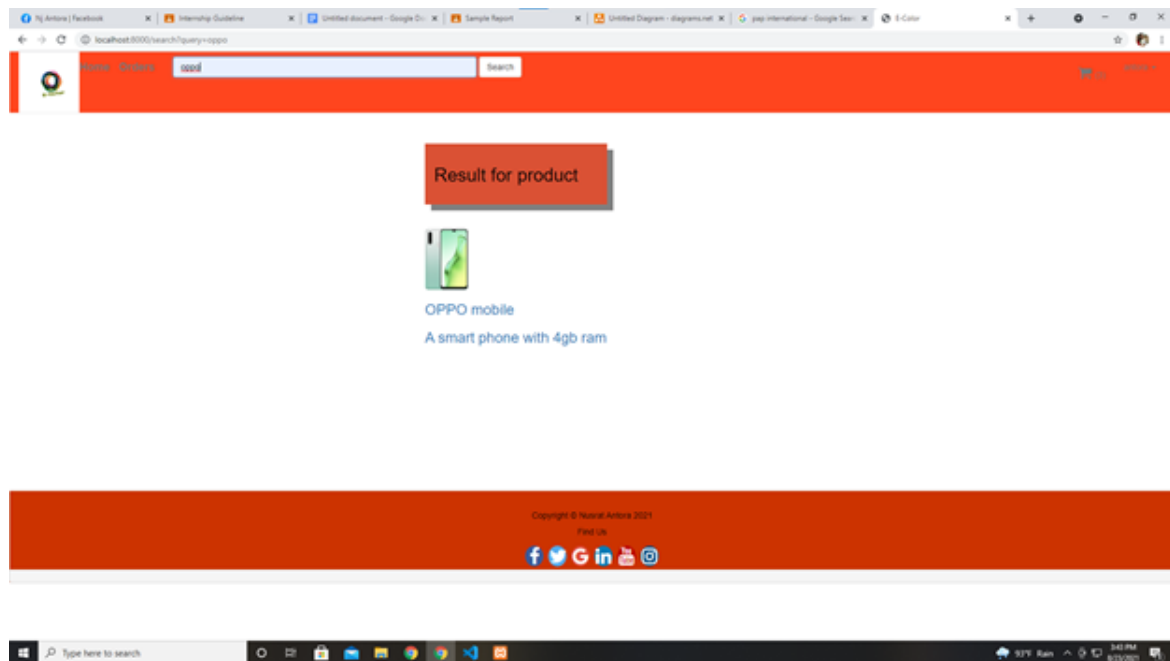


Figure: 5.5.4 Search result interface

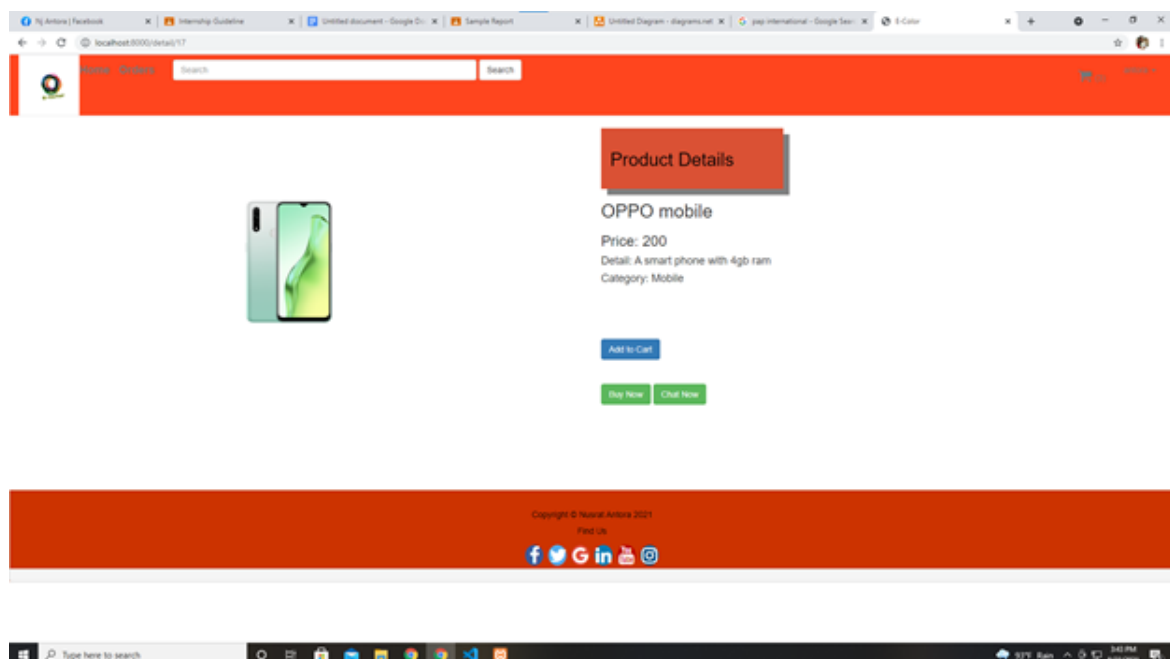


Figure: 5.5.5 Product details interface

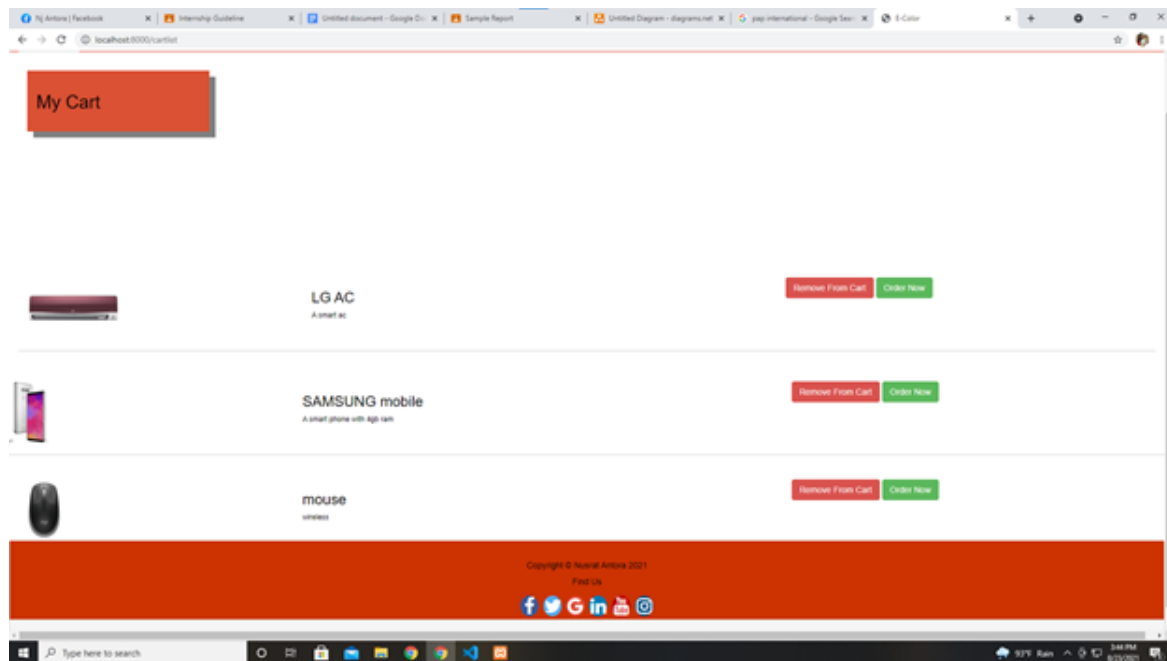


Figure: 5.5.6 cart result interface

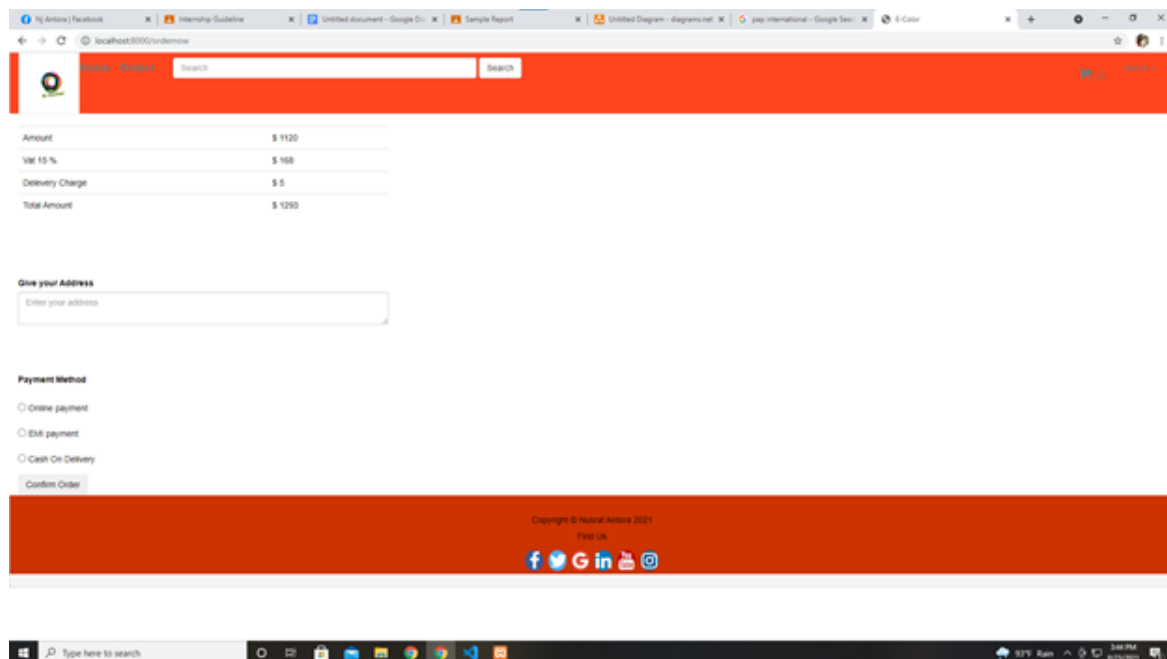


Figure: 5.5.7 payment/ confirm order interface

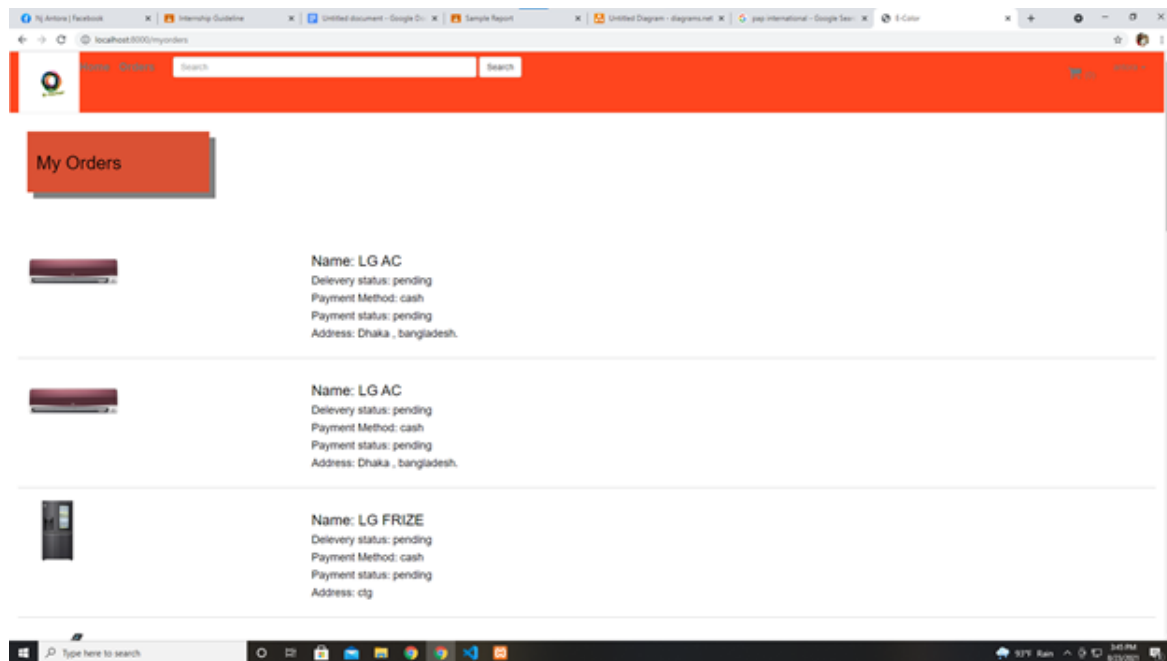


Figure: 5.5.8 order product interface

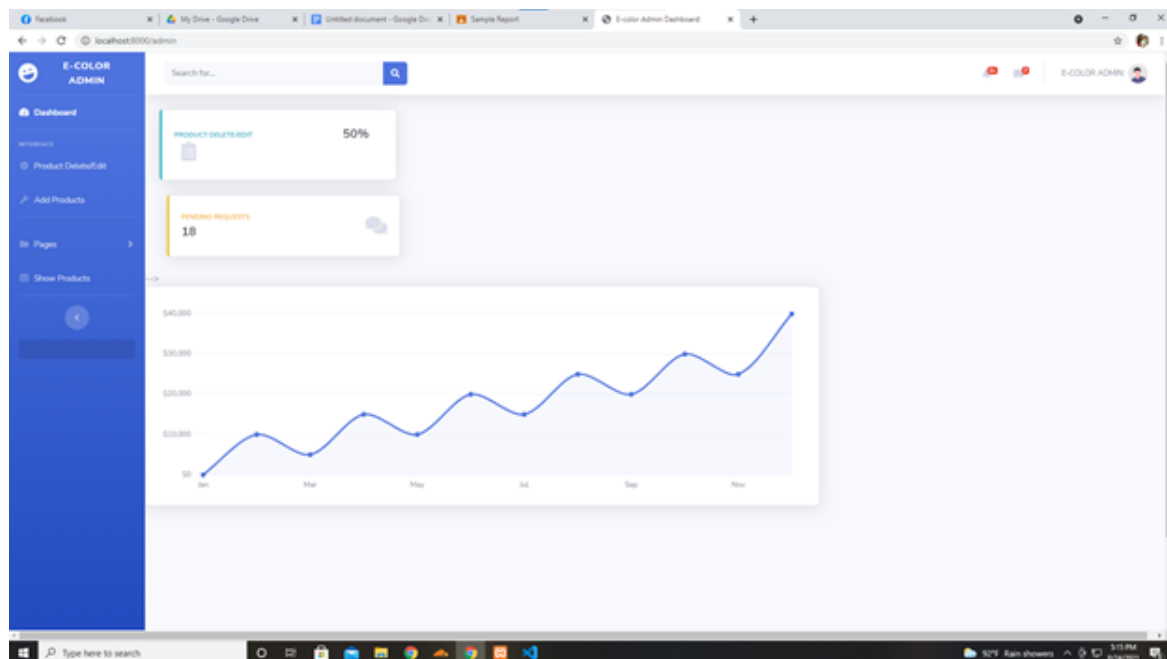


Figure: 5.5.9 Admin Homepage interface

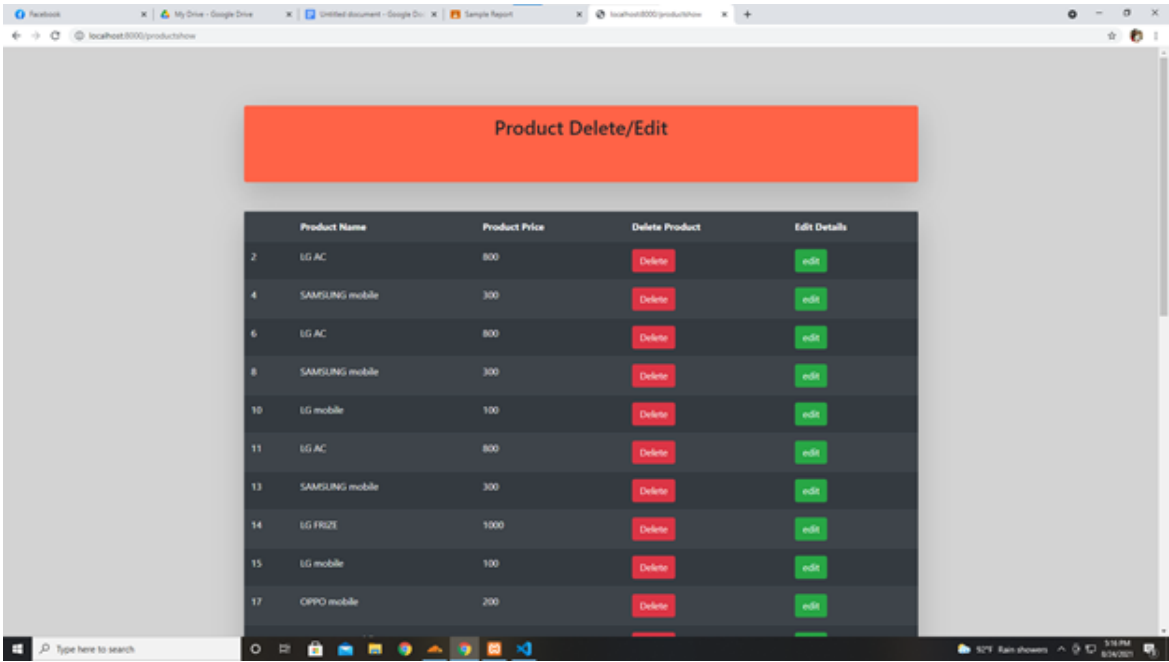


Figure: 5.5.10 product delete or edit interface

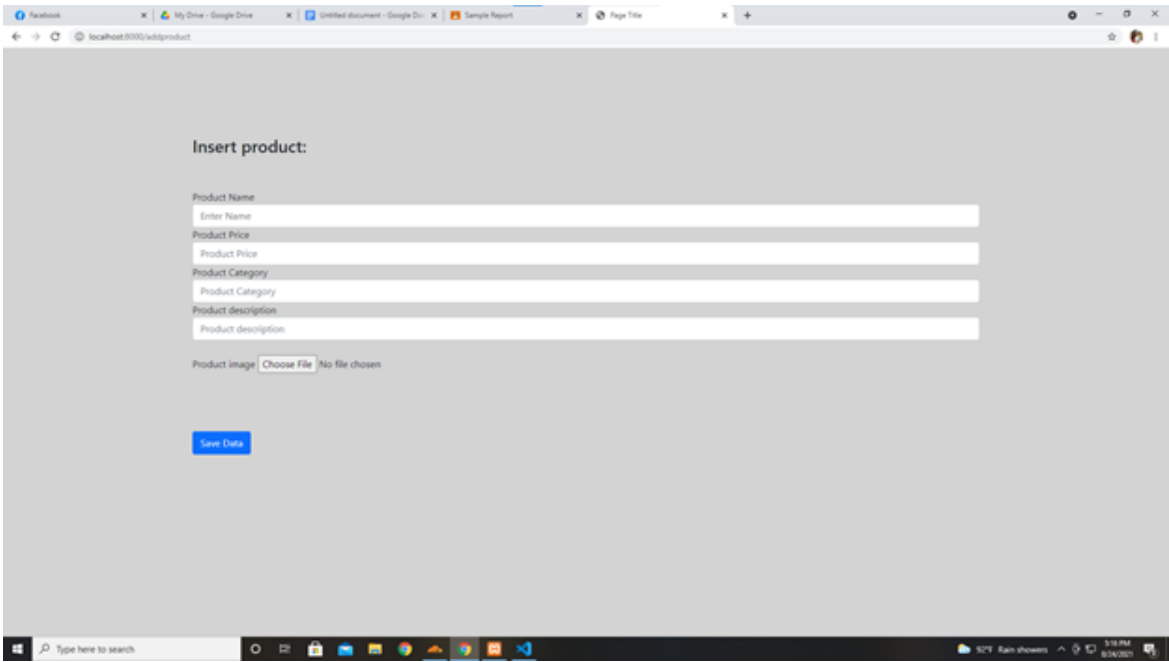


Figure: 5.5.11 product insert interface

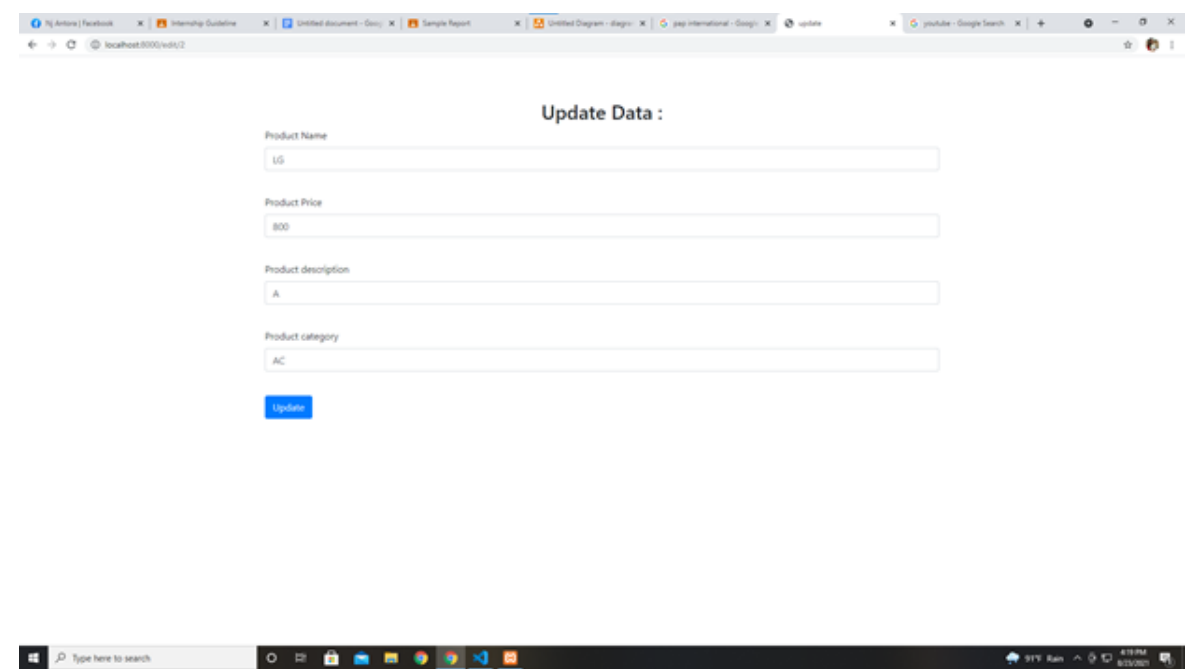


Figure: 5.5.12 product info update interface

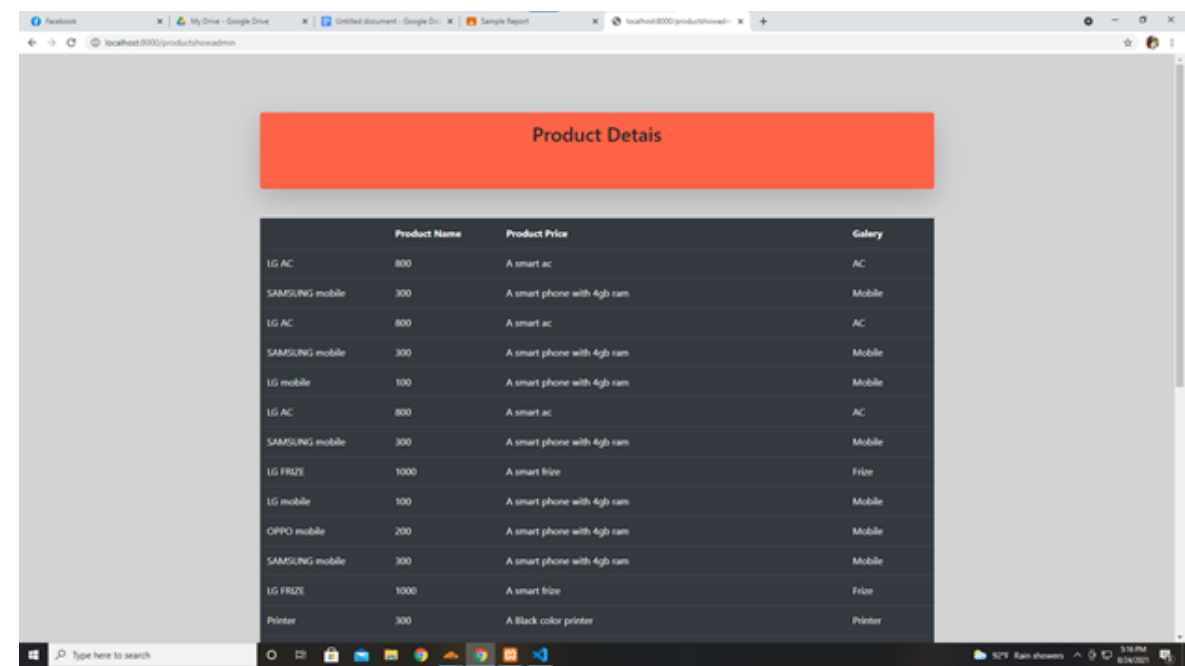


Figure: 5.5.13 product details interface

Chapter 6

Results & Analysis

The site was worked to make it simpler for clients to put in an immediate request. One of the objectives was to fuse all items under one site with the goal that the clients don't need to thump on their other social page and sit tight for reaction. Underneath I have shown a few screenshots of some significant pages from the site.

Scene after Admin Logged in

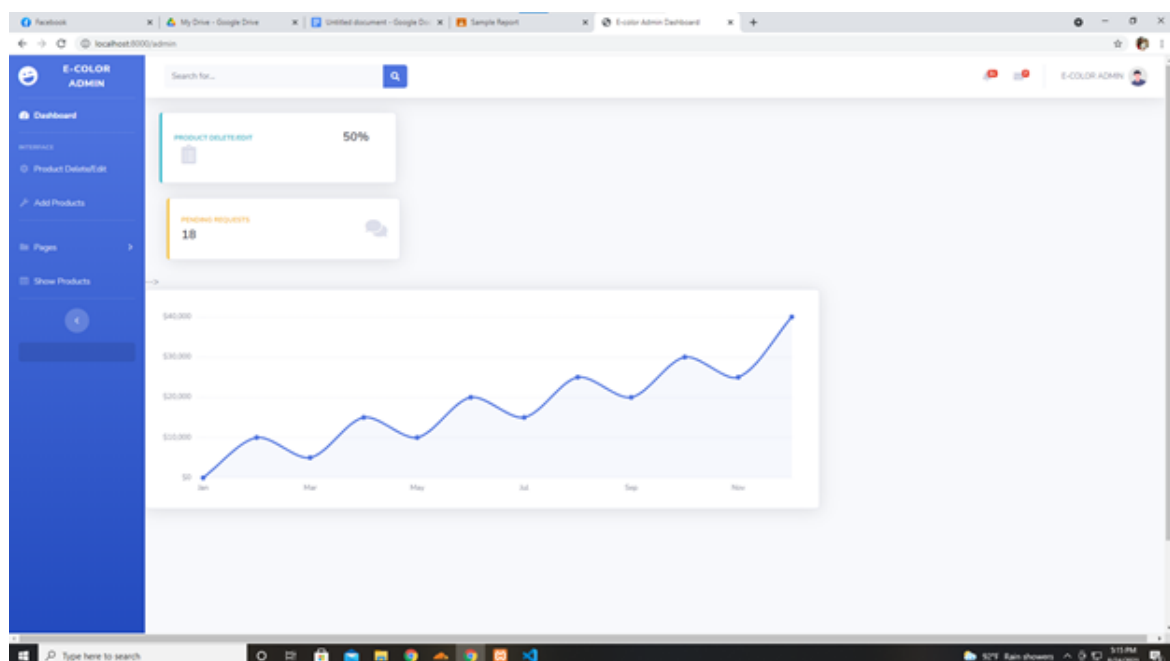


Figure: 6.1.1 Admin Homepage interface

Here Admin can manage all the orders which were places before and after (recently),also can view the customer delivery details from the dropdown menu of “Order Management”, and also can see all the products and edit product details and add new products.

Insert/Add new products

Insert product:

Product Name
Enter Name

Product Price
Product Price

Product Category
Product Category

Product description
Product description

Product image Choose File No file chosen

Save Data

Figure: 6.1.2 Insert/Add new products

Admin can add new products by clicking on Add. After adding a product it will be stored in the database and the admin can view it in the products page.

Manage Products

	Product Name	Product Price	Delete Product	Edit Details
2	LG AC	800	Delete	edit
4	SAMSUNG mobile	300	Delete	edit
6	LG AC	800	Delete	edit
8	SAMSUNG mobile	300	Delete	edit
10	LG mobile	100	Delete	edit
11	LG AC	800	Delete	edit
13	SAMSUNG mobile	300	Delete	edit
14	LG FRIDGE	1000	Delete	edit
15	LG mobile	100	Delete	edit
17	OPPO mobile	200	Delete	edit

Figure: 6.1.1 Manage Products

The screenshot shows a web browser window with multiple tabs. The active tab displays a web application titled 'Update Data :'. The form contains the following fields:

- Product Name: LG
- Product Price: 800
- Product description: A
- Product category: AC

Below the fields is a blue button labeled 'Update'.

Figure: 6.1.1 Manage Products

Admin can add new products by clicking on Add. After adding a product it will be stored in the database and the admin can view it in the products page.

User Interface Design analysis

Everything originates from knowing your clients, including understanding their objectives, abilities, inclinations, and propensities. When you think about your client, try to think about the accompanying when planning your interface:

Keep the interface simple. Create consistency and use common UI elements purposeful in page layout. Strategically use color and texture. Use typography to create hierarchy and clarity. Make sure that the system communicates what's happening. Think about the defaults. Recognition rather than recall. User control and freedom. Aesthetic and minimalist design. Help and documentation.

Backend analysis

Laravel is an open-source task and anybody might add to Laravel for its improvement. Followed Laravel naming shows. Utilized more limited and more intelligible language structure where conceivable. Fat models, short controllers. Approval/ validating checked. Business rationale ought to be in help class. Try not to rehash the same thing or repeated my code (DRY). Really like to utilize Eloquent over utilizing Query Builder and crude SQL inquiries. Favor assortments over exhibits. Tried not to execute questions in Blade formats and utilize excited stacking. Remark my code, yet favor engaging strategy and variable names over remarks. Try not to place JS and CSS in

Blade layouts and don't place any HTML in PHP classes .Used config and language documents, constants rather than text in the code . Utilized standard Laravel devices acknowledged by local area . Used IoC compartment or exteriors rather than new Class .Tried not to get information from the ".env"- document straightforwardly

Chapter 7

Project as Engineering Problem Analysis

7.1 Sustainability of the Project/Work

Adjusting to New Technologies professional workplace:

Being new in this field, the initial fourteen days were very trying for me to comprehend the interaction. I needed to learn adjust new dialect to assemble a site which was very trying for me. Therefore, at first, my expectation to learn and adapt has been significantly low. Notwithstanding this, I think I had the option to keep up on account of the appropriate rule from my Director.

Understanding the Requirements:

Since I was new in this field, it was hard for me to comprehend the necessities. Be that as it may, I was taken to customer gatherings additionally shipped off the customer on off days to talk and accumulate more subtleties and necessities which helped me a ton.

Pandemic situation:

I did my internship at the time of the pandemic and also at the time of lock down so it was very tough for me to communicate with project managers and other developers. Because everyone used to work from home.

7.2 Social and Environmental Effects and Analysis

Maintainability mindfulness is vital in online business. Scientists and practitioners have asked how naturally mindful web based shopping centers are, and which measures can be carried out for green-disapproved clients. All angles are associated also, an

organization can't decide to manage one and discard another. Worry for the environment includes regular assets, bundling materials, carbon dioxide outflows, water contamination, and soil pollution. Organizations ought to guarantee that their exercises will not lead to exhaustion of and harm to regular assets. Managing the creation supportive of cess, items, and administrations implies not hurting living animals previously, during, and after utilization of the item, and consequently guaranteeing life proceeds. The help for a green climate furthermore, items adds to the soundness of manageable internet business buyers.

7.3 Addressing Ethics and Ethical Issues

The social perspective incorporates human necessities and social turn of events. In this measurement, it is a worry regarding how web based business will decidedly affect purchasers. Purchasers need better wellbeing, a green climate, and socially dependable networks in the day by day direct of online business exercises. Furthermore, one can't fail to remember CSR (Corporate Social Responsibility) and business morals in everyday movement. The issue today is that the activities taken by individuals to address their issues harm the future capability to produce different assets. The main enterprising biological systems in the world decidedly affect the economies and social orders where they work, cultivating developments and monetary areas, and producing quality business. Simultaneously, online firms associated with online business (e-business) ought to comprehend the significance of humanity in its constant presence.

Chapter 8

Lesson Learned

8.1 Problems Faced During this Period

Considering my encounters from scholarly years being an understudy studying Computer Science Engineering I could become familiar with a ton about hypothetical execution and arranging. I had no clue about corporate life. In any case, in the wake of joining PAP International Ltd as an intern I got the chance to work and manage the genuine issues and desire to tackle the issue. I got knowledge into proficient practice. The interest for commonsense work experience has no other option in the present occupation market. A temporary job is an extraordinary chance to accomplish this experience .PAP International Ltd is a new business. However, inside a brief time frame they figured out how to procure trust of a great deal of corporate organizations as their customers. In the entire period I took in a ton of things that I couldn't in my scholarly life. I realize how to function with the group in a product organization and how to speak with other colleagues accomplishing the undertaking cooperate with time impediments. The most intriguing part that I appreciated and wanted to do is meeting with the customers and get-together necessities. During my temporary position period as an intern and another representative I had confronted a ton of issues furthermore, troubles and I am fine with it as the space was absolutely new to me. Below I have called attention to few significant issues that I confronted ; The as a matter of first importance challenge was to be timely in the workplace. Also, adapting up to the old individuals from the organization. Thirdly, to look further into the guidelines and guidelines of the organization fourthly, to learn more with regards to the current activities which were at that point assembled and dissecting them. Fifthly, meeting with new customers and changing over their talks, words, wants into an archived necessity and afterward affirming it from them. As DigiKrew is a new business and they were short with workers, I was shipped off to the customer's office at the end of the week which was very rushed for me. Figuring out how to fix bugs which were very little

feasible for me as the organization used to foster tasks with an alternate language which was not taught in my scholastic year. Last however not the least, being a lesser engineer was a bit stressful for me.

8.2 Solution of those Problems

In my scholarly years I was educated to take care of hypothetical issues. Be that as it may, in my entry level position period I needed to take care of genuine issues which were fairly hard for me. The undertakings I have finished in my courses were course based yet here in my office each venture was an item that should have been first class and for customers to buy. As I referenced not many issues above, I could settle those with a means to outfit myself for reality. I guaranteed myself that to sparkle in corporate life I should be dependable in the office, really at that time I will be capable of dealing with my day by day work done on schedule. In spite of the fact that I was a lesser engineer, I attempted to talk more with the individuals from the organization more to split the ice and adapt up to them. I accepted that adapting dependent upon them was a vital part as without legitimate correspondence works can't be finished. There were existing tasks which were fabricated before I joined. It was intense for me to get them. So now and again I look to make a difference from my director who is the senior engineer of the organization. Meeting with corporate customers was a significant issue however with more visits I understood that social occasion prerequisites from the customers were the more charming part. Going to meet customers to accumulate necessities on non-weekend days were chaotic yet later the organization permitted telecommuting for in any event one day in seven days. Laravel was another dialect for me, despite the fact that I couldn't find out additional information during my entry level position period, however YouTube helped me a ton. Aside from every one of the issues which were tackled later, I trust I had a fruitful temporary job at PAP International Ltd.

Chapter 9

Future Work & Conclusion

9.1 Future Works

The task is as yet creating and should be worked on ordinarily with new modules, what's more, prerequisites. As the organization said, they will require more components on the site later after they can drive clients to the site. One of their pre-referenced necessities is to make the site really engaging however they will tell later after they take surveys from their clients consistently. They additionally referenced to add on the web installment entryway technique after they check their exchange permit which isn't prepared at this point.

9.2 Conclusion

This temporary job was extremely effective for me. I have acquired new information, abilities, Furthermore, met countless new individuals. I got understanding into proficient practice. The interest for viable work experience has no other option in the present occupation market. A temporary position is an extraordinary chance to accomplish this experience. The entry level position was likewise great to discover what my qualities and shortcomings are. This assisted me with characterizing what abilities and information I need to work on in the coming time. During my temporary position, I learned about JavaScript, Bootstrap, laravel and so on Presently I realized how to make a site. Since then, I have worked with a designer's group in PAP International Ltd . Presently I realize how to function with the group in a product organization and how to speak with other colleagues doing the undertaking cooperate with time limits. The most intriguing part that I appreciated and cherished to do is meeting with the customers and get-together prerequisites.

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