



REPORTS ON

FINAL YEAR PROJECT 2021(P-400)

**An e-Commerce website for “The Apparel  
House”**

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# Certificate

The project “**Full-Stack e-Commerce Website**” submitted by **MD ABDUL KADIR, ID: 172-115-030**, Batch: 42nd has been accepted as satisfactory for the partial fulfilment of the requirements for the degree of Bachelor of Computer Science Engineering on Date of March 18, 2021.

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# Abstract

Business now without being place on online is to say less customer attractive. Once we look through a need, we do not go to confirm or assure at the place where necessary things being sold physically since we are now belongs to telecommunication era. In fact, getting relative product information web is now considered a valid and more comfortable source. Customers or consumers are now trend to not spend their time by visiting somewhere else; despite transportation is become cheap but having a mobile or tab, or laptop is now quite easier themselves from being spoiling tons of time. The Apparel House authority takes suitable decision in right time by launching their first e-Commerce website to maximize customers ratio in addition to reach their business from a global place to local. This web application is comprehensive from the part of order management to delivery the products. It has a advance search and filtering option to find a specific product in right manner. Users are able to give products ratings as well as may take it wish list if they want to buy it later . The Apparel House is biggest platform selling women lifestyle products both local and imported in a safer payment gateway.

The Apparel House website is very lucrative buying products and safer order management .It is easy to use and compatible with mobile, tab, and laptop or pc.This project is developed under the following Technologies such as Ant Design, Bootstarp4 for comprehensive UI design, ReactJs for client side javascript framework, NodeJs for server-side , Google Firebase for strong token based authentication system and, MongoDB Database server which is NoSql and JSON based.

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# Chapter 1

## Introduction

I am going to build a full-stack web application for a female fashion and lifestyle online shop named The Apparel House. The Apparel House currently operates their business in Facebook marketplace, recently they have taken a venture to perform their business completely e-Commerce website based besides social media marketing. As a MERN stack developer I have been given to build this project besides I am also the IT Development Adviser of this online business.

### 1.1 Project Features

#### 1.1.1 For Non-Registered User:

- Sign up System
- View All Products
- Advance Searching Filtering
- Carting Products
- Wish Listing Products
- See Product Ratings
- Pagination

### **1.1.2 For Registered User:**

- Login/Logout
- Reset password
- Forget password
- Purchase History
- Give Specific Product Rating
- Wish Listing Products
- Carting Products
- Checkout Product
- Payment Gateway
- Get Coupon Code for Special Discount
- Download Pdf Invoice after Payment made
- View Products
- Advance Searching filtering functionality
- Pagination

### **1.1.3 For Admin officer:**

- Login/Logout
- Reset password
- Forget password
- Order Dashboard
- CRUD Operation for Category
- CRUD Operation for Sub-Category
- CRUD Operation for Products

- Create and Delete Coupon Code
- Process Order Management
- Search Product Category, sub-category
- Upload Product Images

## 1.2 Project Scope

Now the world is so fast, so time is a valuable thing, that's why, The Apparel House wants to transform their business arena more faster and efficiently in terms of showing products easily. As it is an online based business platform so the payment processing should be online and secure, I recommend them stripe payment gateway to make this step secure and consistent as well as admin can control the operation such as order processing by accessing the admin panel using their own id.

## 1.3 Justification

- To ensure the efficiency of the system by providing better service compared to previous technologies.
- To ensure efficiency by providing information.
- To ensure users by providing better facilities

## 1.4 Methodology of the Project Work

The methodology for developing this application was using multiple components. Such as-

- Data study and analysis
- Building entity-relationship diagram
- Data normalization and table design
- Database creation
- Software and interface design coding,error handling and debugging.

## 1.5 Limitation of the System

- The user of the system must be computer literate and familiar with web application uses.
- Requires internet connection for using this project as it a web-based application.
- Sufficient bandwidth and hosting space will be required for implementing the system.

# Chapter 2

## Feasibility Study

After completing the project The Apparel House Site studying and analyzing all the existing or required functionalities of the system, the next task is to do the feasibility study for the project. All projects are feasible - given unlimited resources and infinite time. Feasibility study includes consideration of all the possible ways to provide a solution to the given problem. The proposed solution should satisfy all the user requirements and should be flexible enough so that future changes can be easily done based on the future upcoming requirements

### 2.1 Technical Feasibility

This included the study of function, performance and constraints that may affect the ability to achieve an acceptable system. For this feasibility study, we studied complete functionality to be provided in the system, as described in the System Requirement Specification (SRS), and checked if everything was possible using different types of frontend and backend platforms. Technical Feasibility focused on present technical resources of the organization and their applicability to the expected needs of the proposed system. Technical Feasibility is an evaluation of the software and hardware and justifies how it meets the need of the proposed system. If the technical capacity of the proposed system is sufficient to support the project requirements then the system will be considered technically feasible. Technical Feasibility aims to answer the following questions:

- Does the system fulfill the requirement of hardware and software?
- Are the current Technical resources sufficient for the new system?
- Is the project feasible within the limit of current technology?
- Does the technology exist?

- Is there enough man power like coder, tester and debugger?
- Is the system fulfilling practical criteria?
- Is it available within the resource constraints?
- Can the system be upgraded?
- Do we currently process the necessary technology?

The answer of the above questions for the proposed system is yes. It fulfills all the criteria of Technical Feasibility. So the proposed project is technically feasible

## 2.2 Economical Feasibility

**Economic Feasibility assesses the viability, cost and benefits of projects before financial resources are allocated. Economic Feasibility also ensures the economic benefits of the organization. Economic Feasibility involves benefits and evaluation of effectiveness of the proposed system. Economic Feasibility aims to answer the following questions:**

- Is the system can be developed within the estimated cost?
- Is the system cost effective?
- Will the proposed system give economic benefits to the government? The answer of the above questions for the proposed system is yes. It fulfills all the criteria of Economic Feasibility.

## 2.3 Operational Feasibility

Operational Feasibility measures how well a proposed system solves the problems, and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system development. It also Justifies how well the project will support the customer. Operational Feasibility aims to answer the following questions

- Is the project feasible to operate?
- Will the system affect the users in a considerable way?
- Does the current mode of the operation provide adequate throughput and response time?
- Does the current mode operation offers effective protection against accuracy and security of system data?
- How does the end-user feel about their role in the new system?

The answer of the above questions for the proposed system is yes. It fulfills all the criteria of Operational Feasibility so the proposed project is operationally feasible.

## 2.4 Schedule Feasibility

Schedule Feasibility estimates how much time the system will take to complete. It justifies that if the project can be completed within time or not Schedule Feasibility is the most important term in Feasibility study. A project will not success if it fails Schedule Feasibility. Schedule Feasibility aims to answer the following question:

- Can the project be completed within a given time?

The answer of the above questions for the proposed system is yes. It fulfills all the criteria of Schedule Feasibility. Finally from the above discussion it clear that the proposed system is feasible for proceeding into next phase as the proposed system fulfills all the criteria of technical, operational, economic and schedule feasibility.

# Chapter 3

## System Requirements Specification

Software requirement specification (SRS) stands for Software Requirements Specification, which is a document that fully describes the expected behavior of a software system. Software requirement specification (SRS) is a process under software requirement engineering process. This is the next phase after feasibility study in the software requirement engineering process. It is a comprehensive description of the intended purpose and environment for software under development. Software requirement specification laying out functional and non-functional requirements, and may include a set of use cases that describe interactions the users will have with the software. The Software requirement specification (SRS) fully describes what the software will do and how it will be expected to perform.

### 3.1 Functional Requirements

#### 3.1.1 Authentication

- Login- The user can login to the system with his/her username and password.
- Logout- The user can log out from the system.
- Login failure- If the user does not exist in the database

#### 3.1.2 Authorization

- User role check- After logging in, the user role will be checked from the database and the user interface will be displayed according to their role



## **3.2 Nonfunctional Requirements**

### **3.2.1 Performance Requirements**

There is no restriction on the number of the users to be added to the database.

## **3.3 Hardware Requirements**

Meteorite Blogging site should be able to work on a computer with the following minimum hardware specifications:

- Processor: Intel dual core or Above
- RAM: 512MB or above
- Hard Disk: 30 GB or above
- Printer for printing

## **3.4 Software requirements**

The system software requirements are given below

- Operating System: Windows,Linux,macOS
- Technology: NodeJs, NVM, HTML, CSS, Bootstrap, Javascript, Express, ReactJs
- Database: MongoDB, Google Firebase
- Testing/Running Platform: Firefox Browser, Chrome Browser, Explorer

## **3.5 Strong & Weak Point of The Project**

### **3.5.1 Strong point**

- Time saving
- More efficient

### **3.5.2 Weak point**

- Users and admin need to use the Internet.
- Administration needs to use website handles and Website security problems.

## **3.6 Security**

The system provides Email and password to prevent the system from unauthorized access. Password must be eight characters.

## **3.7 Performance/Response time**

The system response time for every instruction conducted by the user must not exceed more than a minimum of 10 seconds.

## **3.8 Availability**

The system should always be available for access at 24 hours, 7 days a week.

## **3.9 Error**

handling Error should be considerably minimized and an appropriate error message that guides a user to recover from an error should be provided.

# Chapter 4

## Methodology

In this chapter gives a detailed outline of the Website development methodology used in this project following up the various existing software development methodology. The strengths and weaknesses of the chosen methodology have been outlined.

### 4.1 Use Case Diagram

A use case diagram at its simplest is a representation of a user's interaction with the system that shows the relationship between the user and the different use cases in which the user is involved. A use case diagram can identify the different types of users of a system and the different use cases and will often be accompanied by other types of diagrams as well. The use cases are represented by either circles or ellipses.

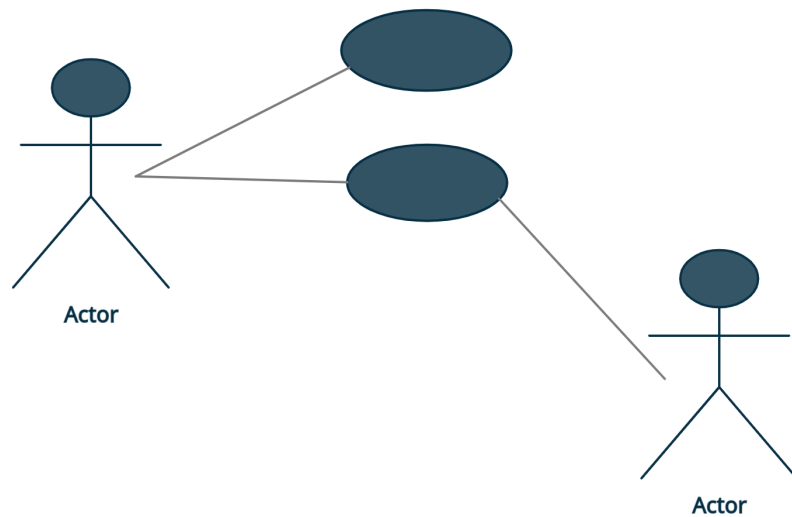


Figure 4.1: Use Case Diagram

### 4.1.1 Use Case Diagram For Registered User

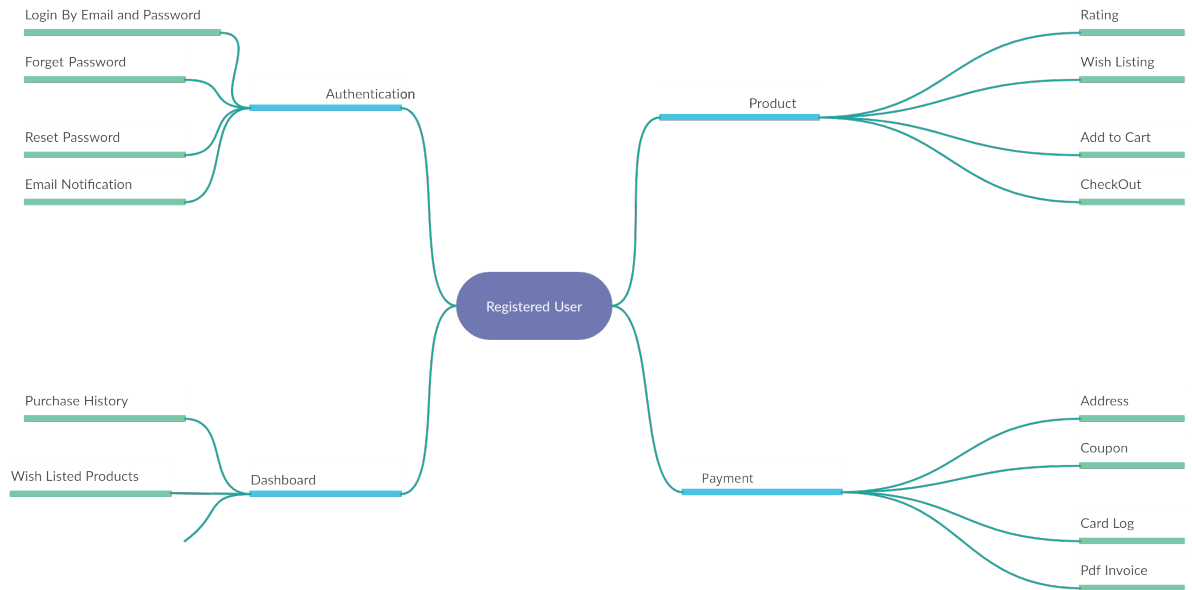


Figure 4.2: Use Case Diagram For Registered User

### 4.1.2 Use Case Diagram For Registered Admin User

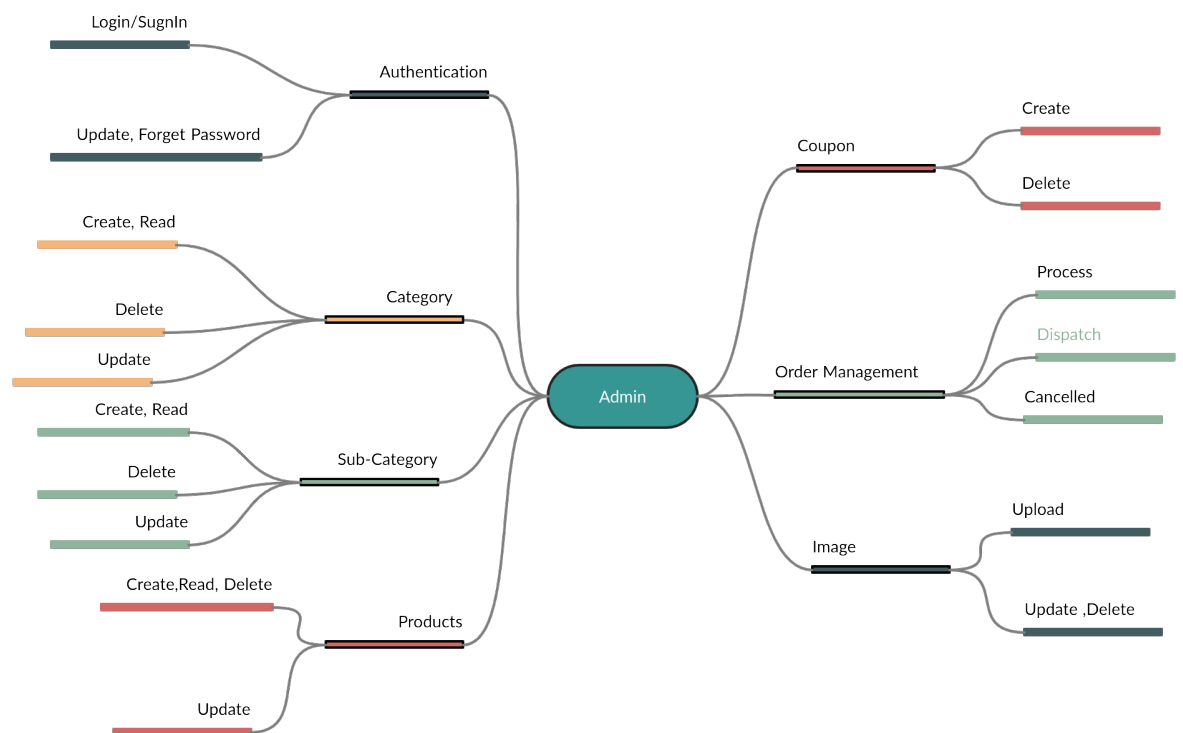


Figure 4.3: Use Case Diagram For Admin User

### 4.1.3 Use Case Diagram For Non-Registered User

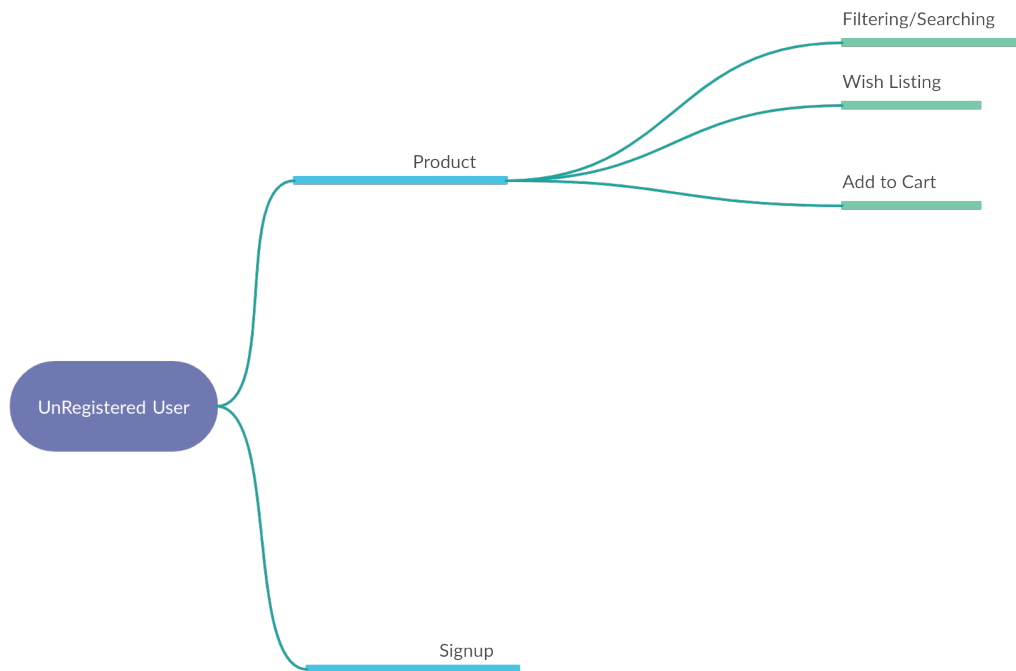


Figure 4.4: Use Case Diagram For No-Registered User

## 4.2 Activity Diagram

Activity Diagram is another important diagram in UML to describe the dynamic aspects of the system. Activity diagram is basically a flowchart to represent the flow from one activity to another activity. The activity can be described as an operation of the system. The control flow is drawn from one operation to another



Figure 4.5: Activity Diagram

#### 4.2.1 Activity Diagram of the System

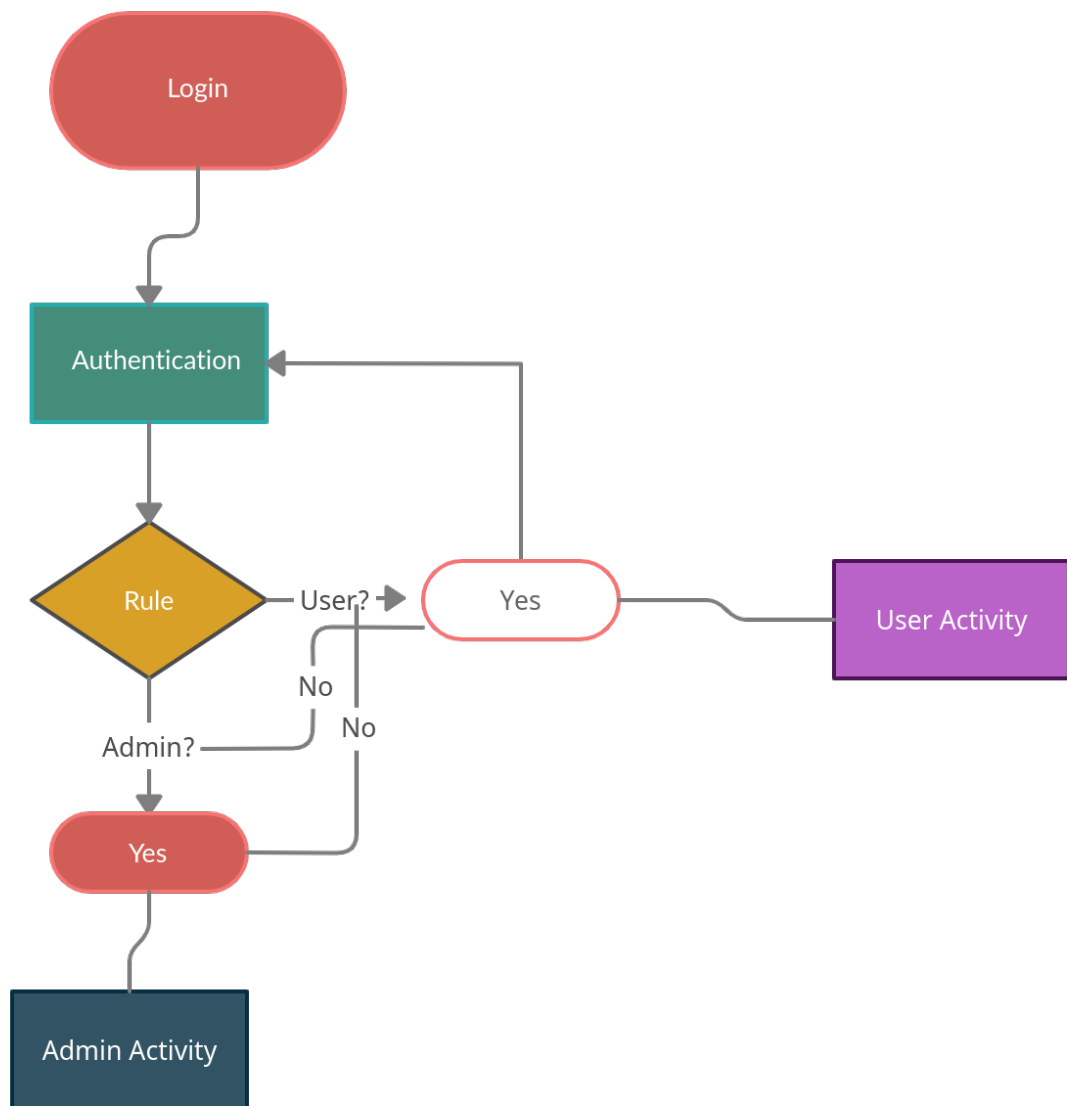


Figure 4.6: Activity Diagram of the System

### 4.2.2 Activity Diagram of the Registered User

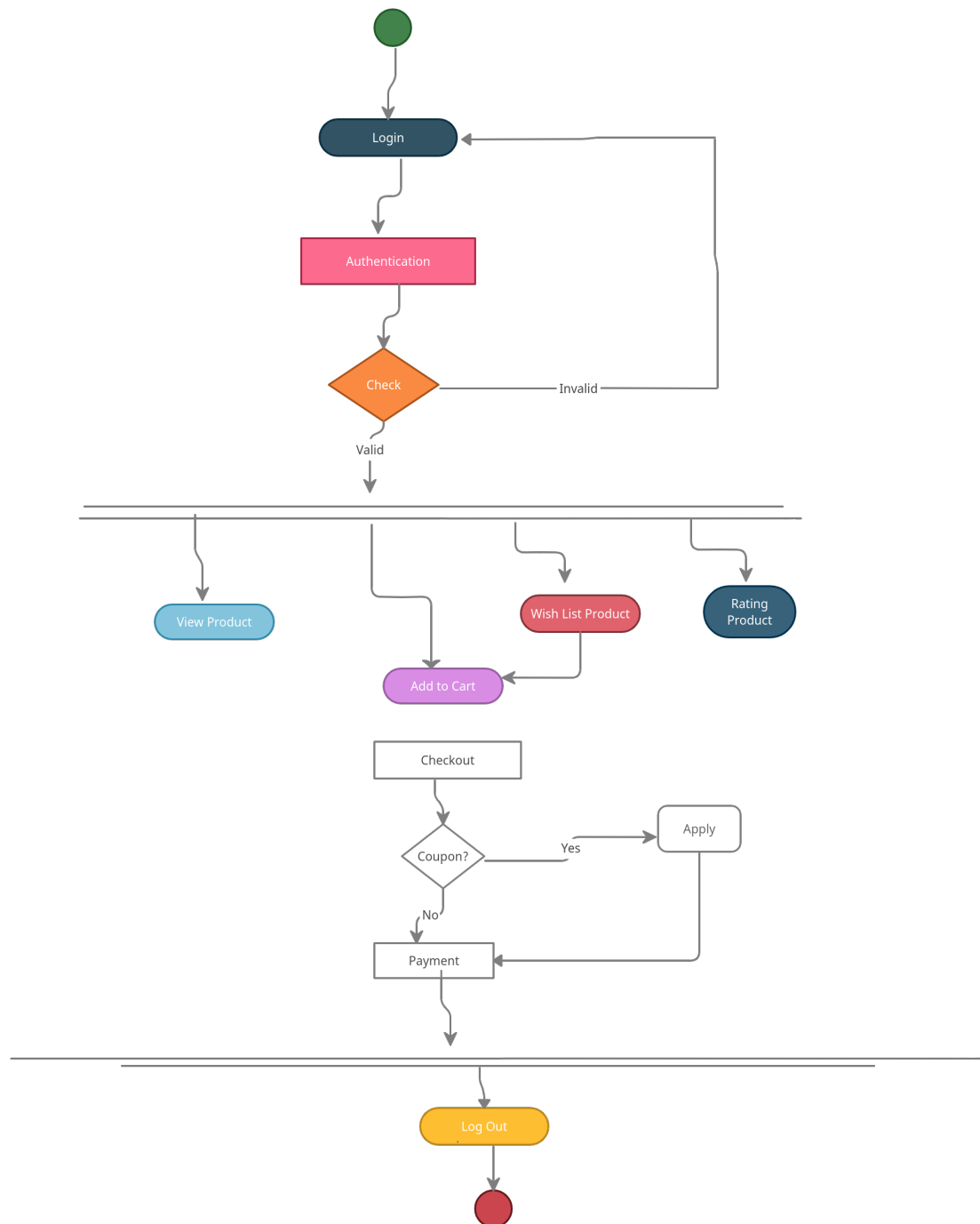


Figure 4.7: Activity Diagram of the Registered User



### 4.2.3 Activity Diagram of the Non Registered User

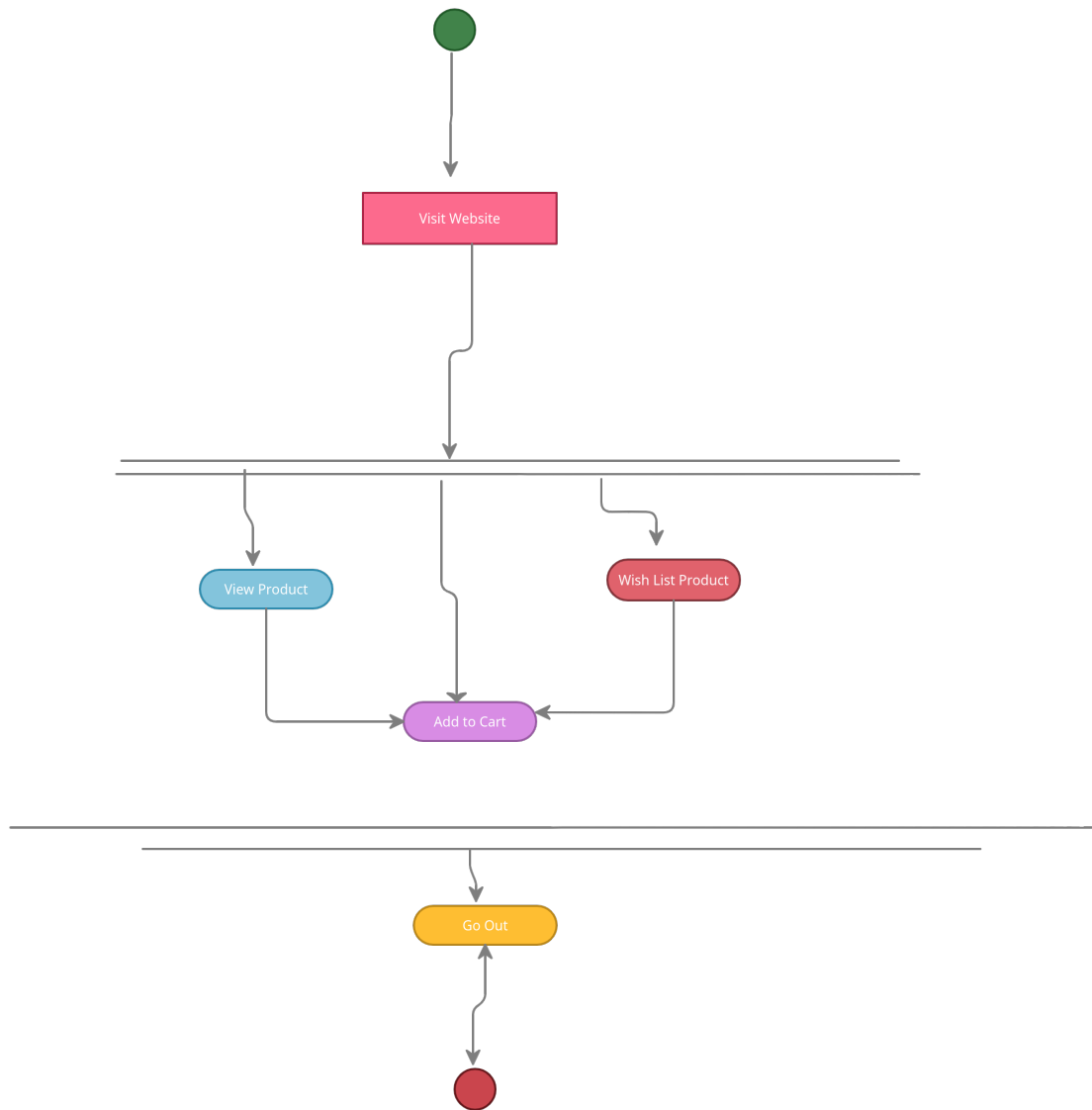


Figure 4.8: Activity Diagram of the Non Registered User

#### 4.2.4 Activity Diagram of the Admin Officer

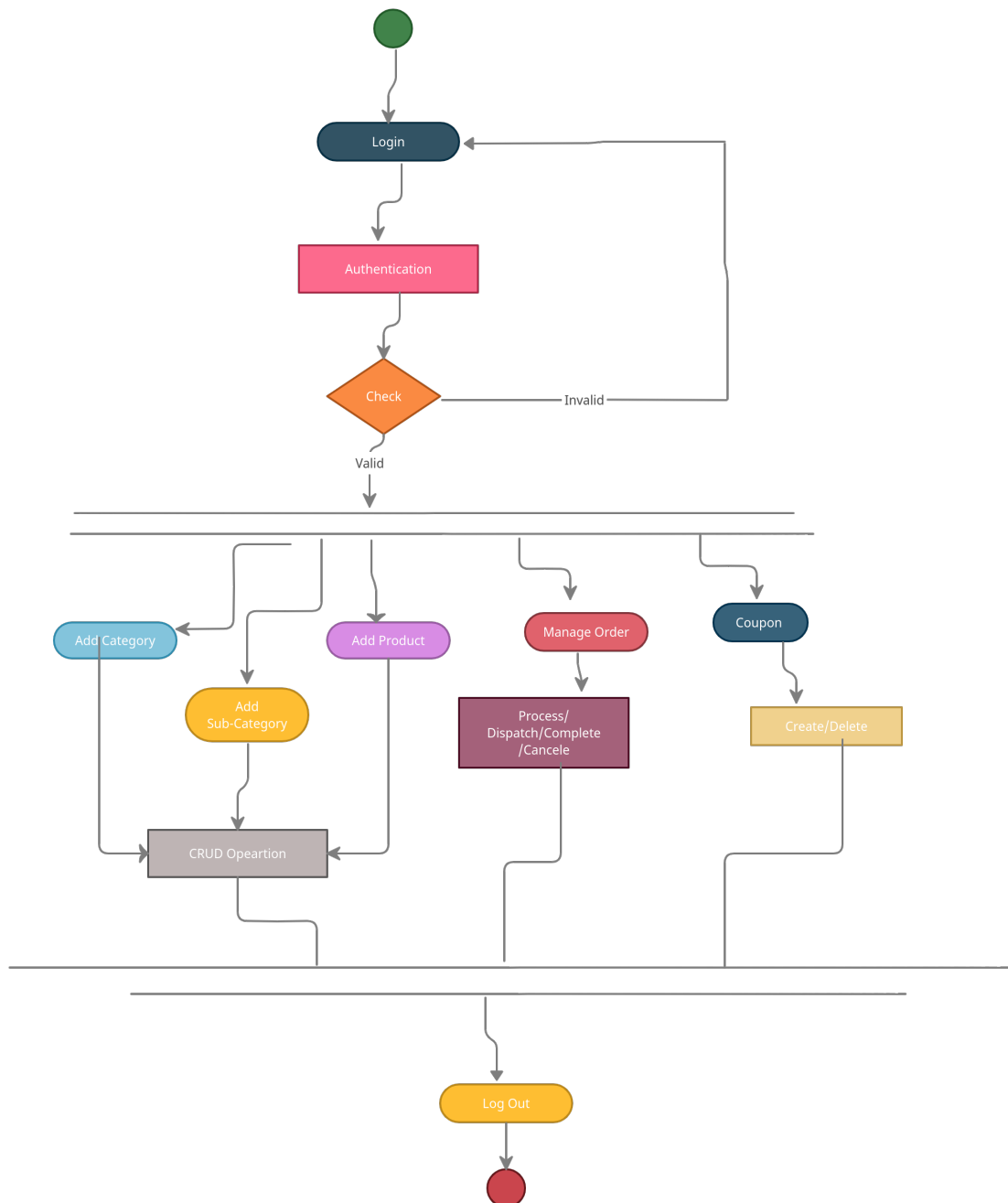


Figure 4.9: Activity Diagram of the Admin Officer

### 4.3 Entity Relationship Diagram

Entity An entity-relationship diagram (ERD) is a graphical representation of an information system that shows the relationship between people, objects, places, concepts or events within that system. The Entity Relationship Diagram has two main categories of tables namely master and operational tables. Here Entity Relationship Diagram of the system representing the database tables like table user, table application, table attendance, table task, table salary, view application, view attendance and view task and each- tables components. Also representing the relationship among the tables in different actions. The Entity Relationship Diagram of the system is given below:

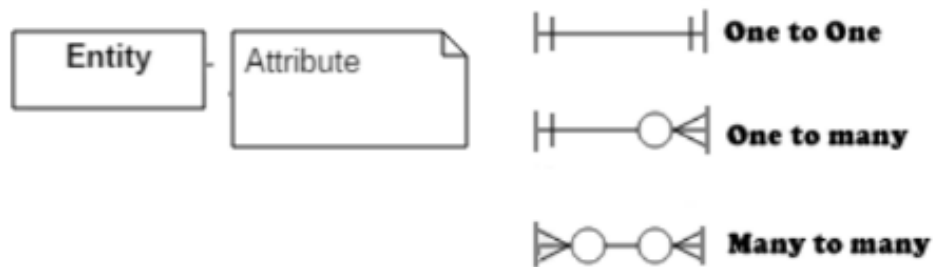


Figure 4.10: Entity Relationship Diagram

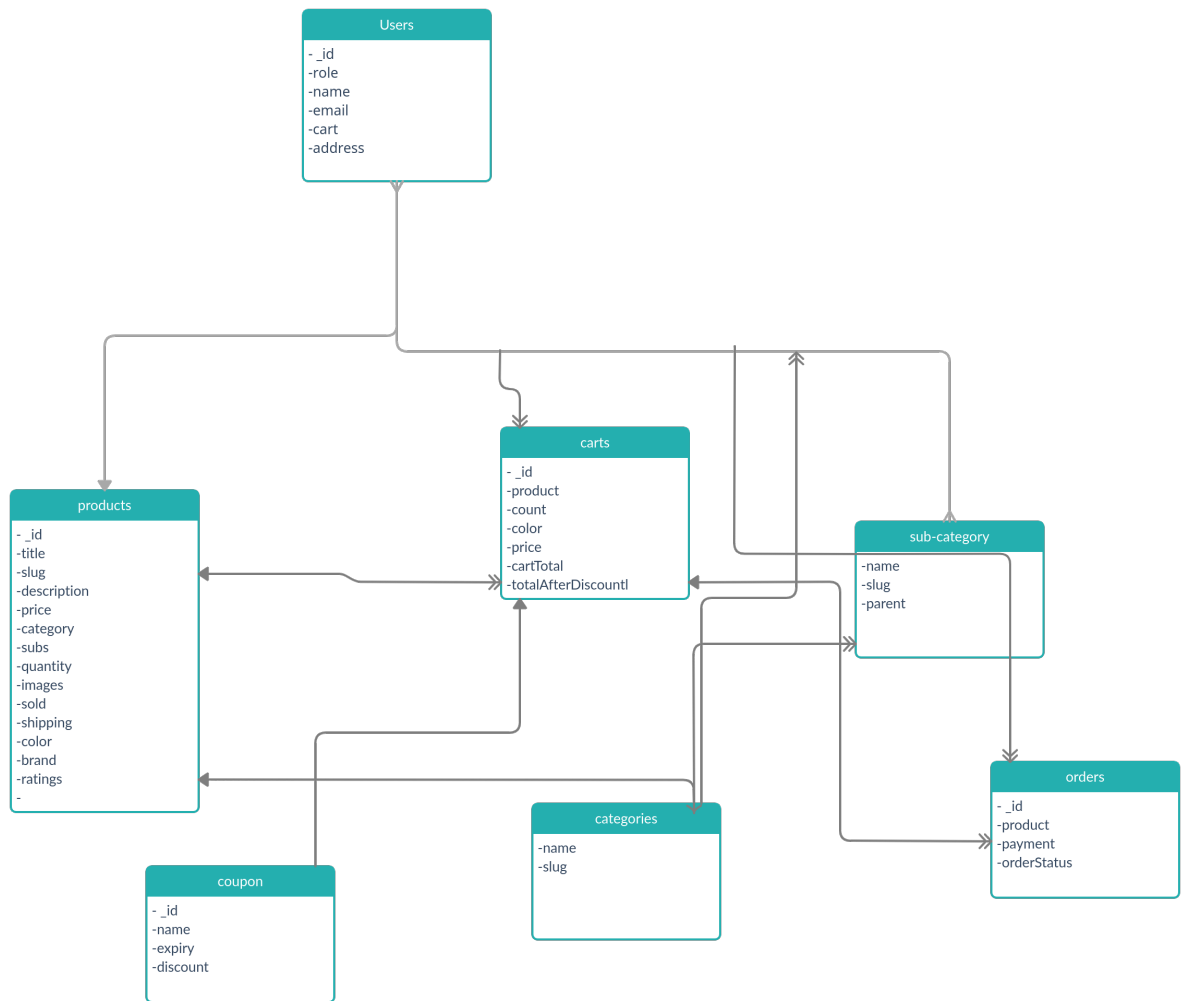


Figure 4.11: Entity Relationship Diagram For The Apparel House

# Chapter 5

## Website Testing

Testing, as the final stage of the development of the website, plays a vital role in the process of creating high-quality software. After the website testing, the customer is provided with a ready project without errors, with good readability, perceived ease, convenience, and reliability. The basic rules for testing of a website are steps that show the user how easy and logical the project is, how easy and possible to find the required information. In general, these properties indicate the extent to which the component or system under test.

- Meets the requirements
- Responds correctly
- Perform functions successfully
- Ensure usability
- Can be run in its intended environments

### 5.1 Documentation Testing

We should start with the preparatory phase, testing the documentation. The tester studies the received documentation (analyzes the defined site functionality, examines the final layouts of the site and makes a website test plan for further testing)

- The main artifacts related to the website testing are analyzed on this stage:
  - Test Plan
  - Requirements
  - Test Cases
  - Trace-ability Matrix

## 5.2 Website Functionality Testing

Functional testing is aimed to ensure that each function of the website operates in conformance with the requirement specification. Website testing of the functionality shows “What the system does”

Let's try to create the checklist for website functionality

### ■ Links Testing

- Outbound links.
- Internal links correctness.
- There are no links leading to the same page.
- The links that are used to send emails to site admins.
- If there are pages that are not referenced.
- There are no broken links.

### ■ Forms Testing For All Pages

- The input data validity
- Allowed values for the data field
- Invalid input values for the data field
- Options for forms in which deletion or any other modification of data is possible

## ■ Cookies Testing

- Test a site with disabled cookies
- Test a site with enabled cookies
- Verify the cookie is encrypted before being written to the user's machine
- Check the security aspects when removing the cookies
- If the cookies have a duration of action, then it is tested whether they are active in the specified period of time.

## ■ HTML/CSS Validation

- HTML syntax errors
- Verify the site is available for search machines
- Verify your web page has an accurate site map in both XML and HTML format

## 5.3 Usability Testing

Usability testing is aimed to evaluate your web page by testing it with representative users. It helps to define the user's ability to learn to operate, prepare inputs for, and interpret outputs of your site.

### ■ Navigation testing contains the next verification :

- All pages of your site are understandable and easy to use
- Buttons, shapes, and fields are convenient for use
- There is an access to the Main menu from all pages

### ■ Content testing checklist:

- There are no grammar and spelling mistakes
- Images are placed properly with proper sizes
- Verify optimization of the color palette of the site and font sizes
- Content should be informative, understandable, structured and logically linked
- Instructions are clear and contain correct information



## 5.4 User Interface Testing

**User Interface (UI) testing is provided to verify the graphic user interface of your website meets the specifications. Here are some verification for UI testing of a website:**

1. Compliance with the standards of graphical interfaces
2. Design elements evaluation: layout, colors, fonts, font sizes, labels, text boxes, text formatting, captions, buttons, lists, icons, links
3. Testing with different screen resolutions
4. Testing of localized versions: accuracy of translation (multi language, multi-currency), checking the length of names of interface elements, etc.
5. Testing the graphical user interface on target devices: smartphones and tablets

## 5.5 Compatibility Testing

**Compatibility (Configuration) testing is performed to test your website with each one of the supported software and hardware configurations:**

1. OS Configuration
2. Browser Configuration
3. Database Configuration

Cross-platform testing allows evaluating the work of your site in different OS (both desktop and mobile): Windows, iOS/Mac OS, Linux, Android, and BlackBerry etc

Cross-browser website testing methods help to verify the correct work of the site in different browser configurations: Mozilla Firefox, Google Chrome, Internet Explorer, and Opera etc.

Database testing is performed to ensure the correct work of your site in different database configurations: Oracle, DB2, MySQL, Postgresql Server, MariaDB.

Printing compatibility also should be mentioned in your website test plan:

- Verify the fonts, page graphics, page alignment can be printed properly
- Ensure all pages of your site fit the paper size and the size defined in the printing option

## 5.6 Performance Testing

**Performance testing is aimed to determine how a system performs in terms of responsiveness and stability under a certain load. Sites must withstand high loads.**

**Performance website testing methods contain**

1. Testing site behavior at or beyond the limits of its anticipated workload (Stress testing)
2. Testing site behavior at increasing workload (Load testing)
3. Testing the ability to work within or just above the acceptable period (Stability testing)
4. Testing of website performance by increasing the data volume in the database (Volume testing)
5. Testing of website performance when multiple users login to it (Concurrency testing)
6. Testing the behavior of your site when the additional workload is given continuously (Endurance testing)
7. Page load speed testing

## 5.7 Security Testing

**Security testing is performed to verify the information system protects data and maintains functionality as intended. Some verifications for the security testing:**

1. Ensure the unauthorized access to secure pages is not possible
2. Verify sessions are automatically killed after prolonged user inactivity
3. Test SSL security functions
4. All attempts at breaking, reporting errors etc. should be logged and stored in a separate file for further analysis.
5. Check the captcha work using automatic scripts
6. Ensure restricted files are not downloadable without appropriate access

7. Ensure there is no login ability while entering wrong password or username

## 5.8 Change Related Testing

**Change related testing has two main purposes:**

1. Ensuring all detected bugs have indeed been successfully fixed (Re-testing or Confirmation testing). In a few words, you should run the test cases that originally detected the bugs again and this time they pass without any problems.
2. Ensuring new defects have not appeared after the changes (Regression testing). Beside the detected bug test cases, it also contains test cases checking all functionalities of your site.

## 5.9 Mobile-Friendly Testing

**As you have read before some of the website verifications were concerned with the mobile version of your site. Nowadays, the number of people who use only mobile devices for Internet access tends to steadily increase. That is why it is quite important to ensure if website site is mobile-friendly. Here are some tips to test your website on mobile:**

1. Verify the compatibility with smartphones and tablets
2. Ensure the site navigation is as simple as possible
3. Optimize the loading time of your site
4. Ensure buttons are large enough for people with big finger
5. Optimize all images size
6. Don't use Flash and pop-ups
7. Use bullet points and short sentences
8. Ensure your phone number is one click away from being dialed
9. Verify the website can access your location through GPS

## 5.10 Beta Testing

**Beta testing – the final pre-release stage of testing. As a rule, it is done by end-users and out stuff people. Beta testing replaces your site in the hands of real users outside of your team to discover any weak points from the user's perspective.**

# Chapter 6

## Website Maintenance

Website maintenance is the process of checking to see whether a website is performing well. It's about keeping up with security updates, encouraging traffic growth. Website maintenance is an important part of managing a website. Website maintenance is the act of regularly checking website for issues and mistakes and keeping it updated and relevant. Keeping a website well maintained and attractive. Here is a list of website maintenance tasks that should be completed regularly:

### 6.1 Weekly Tasks

- Check the website for 404 errors and if there are any, fix or 301 redirect them.
- Check Pages, Orders, Cart are loading without errors
- Update core plugins and website software.
- Update Products information.
- Check that all of your forms are running properly
- Post one or more blog posts to give relevant information to customers and improve SEO traffic.
- Check for broken links.

### 6.2 Monthly Tasks

- Test the website loading speed.
- Analyze security scans and if there are any issues, make sure they're resolved.
- Analyze website statistics.

## 6.3 Quarterly Tasks

- Review the website and check if there's room for improvement.
- Update web graphics and photos.
- Check website content and make sure it's up-to-date.
- Update meta descriptions and meta titles.
- Make sure that the website is mobile-friendly and it displays nicely on all browsers.
- Test and update popups, forms, and calls to action.
- Check to see if anything needs to be changed or updated with your advertising and marketing campaigns.
- Restore the most recent backup to check your backup health

## 6.4 Yearly Tasks

- Renew your website domain name.
- Consider updating your website design.
- Review each page of the site to make sure its content is accurate.
- Find your best-performing blogs and consider updating.

# Chapter 7

## User Interface

### 7.1 Signup UI

#### Make Your Registration

someone@domain.com

REGISTER

#### Complete Registration

someone@domain.com

Password

REGISTER COMPLETE

## 7.2 Login UI


### Login System

Your Email

---

Your Password

---

 Submit

[Forgot Password?](#)

OR

You May choose Other SignIn Options Below

 Signin With Google

### Forgot Password

theapparelhouse.bd@gmail.com|

SUBMIT

#### Reset your password

for **makt.official@gmail.com**

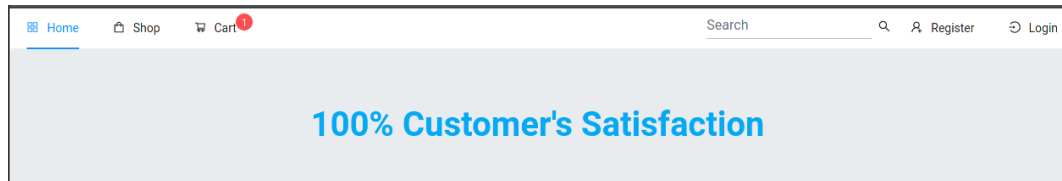
New password

---



SAVE







## 7.3 Navigation UI











## 7.4 Home Page UI

### New Arrivals

<p>★★★★★ (1)</p>  <p><b>Gadwal - ₹10000</b> It is a long established fact that a rea...</p> <p><a href="#">View Product</a> <a href="#">Stock Out</a></p>	<p>★★★★★ (1)</p>  <p><b>Kanchibiram - ₹11000</b> Banarasi handloom khaddi pure katan silk...</p> <p><a href="#">View Product</a> <a href="#">Add to Cart</a></p>	<p>★★★★★ (2)</p>  <p><b>Jamdhani Updated - ₹25000</b> Banarasi handloom khaddi pure katan silk...</p> <p><a href="#">View Product</a> <a href="#">Add to Cart</a></p>
<p>★★★★★ (1)</p>  <p><b>dindiandfm f 5 - ₹13421</b> It is a long established fact that a rea...</p> <p><a href="#">View Product</a> <a href="#">Add to Cart</a></p>	<p>★★★★★ (2)</p>  <p><b>Khadi 2 - ₹11500</b> It is a long established fact that a rea...</p> <p><a href="#">View Product</a> <a href="#">Add to Cart</a></p>	<p>★★★★★ (1)</p>  <p><b>Organja Valentine - ₹25000</b> Banarasi handloom khaddi pure katan sil...</p> <p><a href="#">View Product</a> <a href="#">Add to Cart</a></p>

< 1 2 3 4 5 NaN >

### Top Sellers

<p>★★★★★ (2)</p>  <p><b>Jamdhani Updated - ₹25000</b> Banarasi handloom khaddi pure katan silk...</p> <p><a href="#">View Product</a> <a href="#">Add to Cart</a></p>	<p>★★★★★ (1)</p>  <p><b>Kanchibiram - ₹11000</b> Banarasi handloom khaddi pure katan silk...</p> <p><a href="#">View Product</a> <a href="#">Add to Cart</a></p>	<p>★★★★★ (2)</p>  <p><b>Khadi 2 - ₹11500</b> It is a long established fact that a rea...</p> <p><a href="#">View Product</a> <a href="#">Add to Cart</a></p>
<p>★★★★★ (1)</p>  <p><b>Khadi - ₹10000</b> Banarasi handloom khaddi pure katan silk...</p> <p><a href="#">View Product</a> <a href="#">Add to Cart</a></p>	<p>★★★★★ (1)</p>  <p><b>Organza Sharee - ₹12500</b> Organza with kashida multi resham thread...</p> <p><a href="#">View Product</a> <a href="#">Add to Cart</a></p>	<p>★★★★★ (1)</p>  <p><b>Organja Valentine - ₹25000</b> Banarasi handloom khaddi pure katan sil...</p> <p><a href="#">View Product</a> <a href="#">Add to Cart</a></p>

### Our Products Brand

- MOSLEEN-21
- JAMDANI-21
- ORGANJA-21
- HANDLOOM
- DRESS
- ORGANJA
- GUJRATI
- LEHENGA
- DHAKAIYA MOSLEEN
- JAMDHANI ORIGINAL
- KANCHIBIRAM
- GADWAL

### Our Products

- 2021
- 2019
- 2020
- V-4
- V-3
- V-2
- V-1
- DHAKA
- NEW-2021
- NEW EDITION
- NEW-10
- INDIAN

## 7.5 Single Product View UI

**Gadwal**

★★★★★ (1)

Price	₹ 10000
Category	Gadwal
Sub Categories	2021
Shipping	Yes
Color	White
Brand	Handloom
Available	0
Sold	0

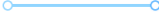

[Add to Cart](#) [Add to Wishlist](#) [Login to leave rating](#)

Description More

It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here'.


## 7.6 Advance Searching Filtering UI

### Search and Filter the Way You Want

Price ^  
  
 Categories ^  
 Mosleen-21  
 Jamdani-21  
 Organja-21  
 Handloom  
 Dress  
 Organja  
 Gujrati  
 Lehenga  
 Dhakaiya Mosleen  
 Jamdhani Original  
 Kanchibiram  
 Gadwal  
 Rating ^  


### All Collections


★★★★★ (1)



**Khadi - ₹10000**  
Banarasi handloom khaddi pure katan silk...

[View Product](#)
[Add to Cart](#)


★★★★★ (1)



**Organza Sharee - ₹12500**  
Organza with kashida multi resham thread...

[View Product](#)
[Add to Cart](#)


★★★★★ (1)



**dindiandfm f 5 - ₹13421**  
It is a long established fact that a rea...

[View Product](#)
[Add to Cart](#)

★★★★★ (1)



**Kanchibiram - ₹11000**  
Banarasi handloom khaddi pure katan silk...

[View Product](#)
[Add to Cart](#)

### Sub Categories ^

2021  2019  2020  v-4  v-3  v-2  v-1  Dhaka  New-2021  
 New Edition  New-10  Indian

### Brands ^

Gadwal  Organja  
 Kanchibiram  Silver  
 Handloom  Jamdhani  
 Mosleen  Lehenga  Puri

### Colors ^

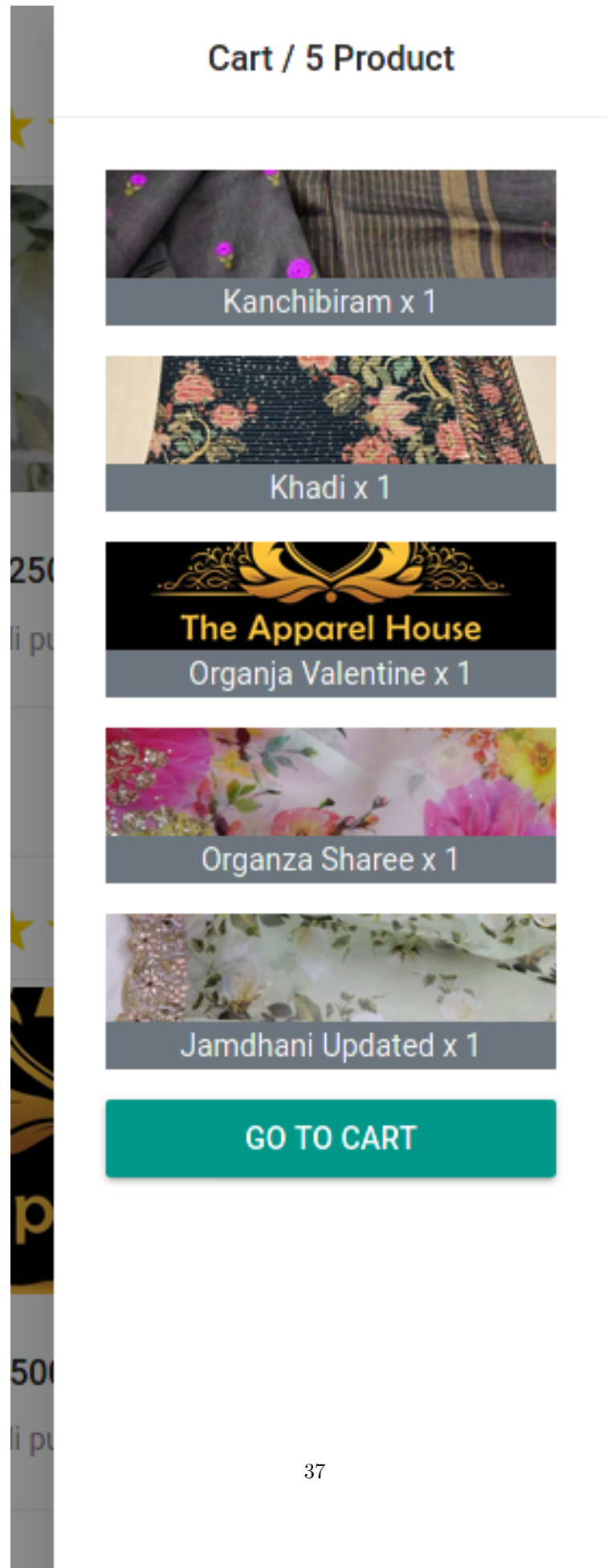
Black  White  Blue  
 Silver  Brown  Red  
 Green  Yellow  Orange

### Shipping ^

Yes  No







## 7.7 After Add to Cart Side-Drawer UI



## 7.8 Add to Cart Page UI

Your Shopping Details, Total Cart Item = 4

Image	Product Name	Price	Brand	Color	Quantity	Shipping	Remove
	Kanchibiram	₹11000	Jamdhani	Black	1	⊗	×
	Khadi	₹10000		Silver	1	⊙	×
	Organza Sharee	₹12500	Lehenga	Yellow	1	⊙	×
	Jamdhani Updated	₹25000	Organja	Yellow	1	⊙	×

### Order Summary

#### Products X Quantity

Kanchibiram x 1 = ₹11000

Khadi x 1 = ₹10000

Organza Sharee x 1 = ₹12500





Jamdhani Updated x 1 = ₹25000

Total: ₹ **58500 (Vat Included.)**

[LOGIN TO CHECKOUT](#)

## 7.9 Checkout Page UI

### Delivery Address

Normal **B** *I* U    

Zindabazar, Jallarpar Road,  
Metropolitan Area,  
Sylhet-3100, Bangladesh

SAVE


### Got Coupon?

71501726101

APPLY

Invalid coupon

### Order Summary

Address saved 

Products 4

Kanchibiram (Black) x 1 = 11000

Khadi (Silver) x 1 = 10000

Organza Sharee (Yellow) x 1 = 12500

Jamdhani Updated (Yellow) x 1 = 25000

Cart Total: 58500

Discount Applied: Total Payable: \$17550.00


PLACE ORDER

EMPTY CART

## 7.10 Payment Page UI

**Complete your purchase**

Total after discount: BDT 17550



Total: 1.58500	Total payable : 1.17550.00
----------------	----------------------------

<input type="text" value="Card number"/>	<input type="text" value="MM / YY CVC"/>
<input type="button" value="Pay"/>	

<input type="text" value="VISA 4242 4242 4242 4242"/>	<input type="text" value="04 / 25 464 11532"/>
<input type="button" value="Pay"/>	

Payment Successful. [See it in your purchase history.](#)



## 7.11 User Dashboard Page Invoice UI

HISTORY  
PASSWORD  
WISHLIST

### User purchase orders

Order Id: pi\_1IW4bJkwPSubYetsZm91kAU / Amount: / BDT 30,750.00 // Method: card / Payment: SUCCEEDED / Orderd on: / 3/17/2021, 3:13:01 PM / STATUS: Completed

Title	Price	Brand	Color	Count	Shipping
Khadi 2	₹ 11500	Kanchibiram	Orange	1	🟢
Jamdhani Updated	₹ 25000	Organja	Yellow	2	🟢

DOWNLOAD PDF

Order Id: pi\_1IW4bJkwPSubYetsZm91kAU / Amount: / BDT 17,550.00 // Method: card / Payment: SUCCEEDED / Orderd on: / 3/18/2021, 1:06:43 AM / STATUS: Not Processed

Title	Price	Brand	Color	Count	Shipping
Kanchibiram	₹ 11000	Jamdhani	Black	1	🔴
Khadi	₹ 10000		Silver	1	🟢
Organza Sharee	₹ 12500	Lehenga	Yellow	1	🟢
Jamdhani Updated	₹ 25000	Organja	Yellow	1	🟢

DOWNLOAD PDF

Order Id: pi\_1IW4bJkwPSubYetsZm91kAU / Amount: / BDT 17,550.00 // Method: card / Payment: SUCCEEDED / Orderd on: / 3/18/2021, 1:06:43 AM / STATUS: Not Processed

Title	Price	Brand	Color	Count	Shipping
Kanchibiram	₹ 11000	Jamdhani	Black	1	🔴
Khadi	₹ 10000		Silver	1	🟢
Organza Sharee	₹ 12500	Lehenga	Yellow	1	🟢
Jamdhani Updated	₹ 25000	Organja	Yellow	1	🟢

DOWNLOAD PDF

~ 3/18/2021, 1:10:53 AM ~

## Shopping Invoice

The Apparel House

### Order Summary

Title	Price	Quantity	Brand	Color
Kanchibiram	₹11000	1	Jamdhani	Black
Khadi	₹10000	1		Silver
Organza Sharee	₹12500	1	Lehenga	Yellow
Jamdhani Updated	₹25000	1	Organja	Yellow


Date: 3/18/2021, 1:06:43 AM  
 Order Id: pi\_1IW4bJkwPSubYetsZm91kAU  
 Order Status: Not Processed  
 Total Paid: 17550


~ Thank you for shopping with us ~


## 7.12 Admin Dashboard Page UI


Admin Dashboard						
ORDER ID: PL_11W4HBJKWPSPBYETSZM91KAU / AMOUNT: / BDT 17,550.00 // METHOD: CARD / PAYMENT: SUCCEEDED / ORDER ON: / 3/18/2021, 1:06:43 AM / <span style="color: green;">STATUS: NOT PROCESSED</span>						
DELIVERY STATUS						
Not Processed						
Title	Price	Brand	Color	Count	Shipping	
Kanchibiram	11000	Jamdhani	Black	1	<span style="color: red;">⊗</span>	
Khadi	10000		Silver	1	<span style="color: green;">⊙</span>	
Organza Sharee	12500	Lehenga	Yellow	1	<span style="color: green;">⊙</span>	
Jamdhani Updated	25000	Organja	Yellow	1	<span style="color: green;">⊙</span>	

## 7.13 Admin Product Input Page UI

 ✕

 ✕

 ✕

 ✕

UPLOAD IMAGE

**Title**

**Description**

**Price**

**Shipping**

**Quantity**

**Color**

**Brand**

**Category**

**Sub Categories**

SAVE

## 7.14 Admin Category Input Page UI

### Category Creation Page

Name

SAVE

Mosteen-21	<a href="#">✎</a> <a href="#">✖</a>
Organja-21	<a href="#">✎</a> <a href="#">✖</a>
Handloom	<a href="#">✎</a> <a href="#">✖</a>
Organja	<a href="#">✎</a> <a href="#">✖</a>
Dhakajya Mosteen	<a href="#">✎</a> <a href="#">✖</a>
Jamdhani Original	<a href="#">✎</a> <a href="#">✖</a>

## 7.15 Admin Sub-Category Input UI

### Sub-Category Creation Page

Parent Category

Organja

Name

SAVE

v-4	<a href="#">✎</a> <a href="#">✖</a>
v-3	<a href="#">✎</a> <a href="#">✖</a>
v-2	<a href="#">✎</a> <a href="#">✖</a>
v-1	<a href="#">✎</a> <a href="#">✖</a>

## 7.16 Admin Coupon Input Page UI

### Coupon

Name

Discount %

Expiry

March 2021						
Su	Mo	Tu	We	Th	Fr	Sa
28	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

	Expiry	Discount	Action
	3/31/2021	70%	<a href="#">✖</a>
71502617101	3/30/2021	50%	<a href="#">✖</a>

# Chapter 8

## Conclusion

This project is a consequence of my day to night hard working and patient. It is an e-Commerce website build for organised shop management as well as to place the products from local to global environment. Ant Design the second largest css framework has been used to build responsive and interactive material look UI along with Bootstrap-4 entire of the project, which makes this project compatible to run on any much used devices like tablet, mobile and, laptop/pc . I have tried my best to make this project cost-effective and flexible. During the project development the authentication and payment gateway system has been made very strong and modern as the visiting and buyers feel free and comfort as well as fearless to buy their choice product smoothly. Now this project Will be deployed as soon and go through a agile software development and beta version of this one has been made to reach customers as based on better customer experience it is to develop and some more new features as well. Future upgrading and enhancement will be continued to keep the system up to date.

# References:

1. Sommerville, I. (2004). Software engineering. Boston: Pearson/Addison-Wesley.
2. Silberschatz, A., Korth, H.F., & Sudarshan, S. (2011). Database system concepts. New York: McGraw-Hill.
3. Ullman, J.D., Widom, J. (2014). A first course in database systems. Upper Saddle River (N.J.).
4. Web Development with MongoDB and NodeJS Build an interactive and full-featured web application from scratch using Node.js and MongoDB by Nigel George - Bruno Joseph D'mello, Jason Krol, Mithun Satheesh ISBN.
5. Express.js: Guide Book on Web framework for Node.js/-Rick L.
6. Modern Full-Stack Development: Using TypeScript, React, Node.js, Webpack, and Docker- /Frank Zammetti
7. Full Stack JavaScript: Learn Backbone.js, Node.js, and MongoDB, 2nd Edition/-Azat Mardan
8. Pro MERN Stack: Full Stack Web App Development with Mongo, Express, React, and Node- /Vasan Subramanian