

Fashion E-Commerce Website for Clothing Store

A PROPOSAL PRESENTED BY

Dimuth Adiththya
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INTRODUCTION

1.1 PROBLEM STATEMENT

The fashion industry is rapidly expanding into the digital marketplace, with an increasing number of clothing stores adopting e-commerce solutions.

However, many existing fashion e-commerce websites lack user-friendly interfaces, secure payment methods, and efficient inventory management.

This project aims to develop a comprehensive online fashion store to enhance the shopping experience.

1.2 FUNCTIONAL REQUIREMENTS AND OBJECTIVES

1. Develop a user-friendly and responsive e-commerce platform.
2. Allow customers to browse and filter clothing items by category, size, color, and price.
3. Provide a secure login and profile management system.
4. Implement a seamless checkout process with secure payment gateways.
5. Enable order tracking, purchase history, and customer reviews.
6. Provide an admin dashboard for managing inventory, orders, and customer interactions.

2 BACKGROUND AND MOTIVATION

2.1 BACKGROUND

Online shopping has become the preferred method for purchasing fashion items due to its convenience, variety, and accessibility. Many retail businesses are shifting towards digital platforms to meet the growing demand for e-commerce solutions.

2.2 MOTIVATION

- Address the need for a well-organized, easy-to-navigate fashion e-commerce website.
- Provide a seamless and secure shopping experience for users.
- Enhance business operations with an automated order management system.

3 MATERIALS AND METHODS

3.1 MATERIALS

1. **Hardware:** High-performance PC, cloud hosting server.
2. **Software:** Laravel, MySQL, Bootstrap, JavaScript.

3.2 METHODS

1. Agile methodology with iterative development cycles.
2. Continuous testing and deployment to ensure scalability.

4 TECHNOLOGIES

4.1 FRONTEND AND BACKEND PROGRAMMING

4.1.1 *Frontend Programming*

1. Languages: HTML, CSS, JavaScript
2. Framework: Bootstrap, jQuery

4.1.2 *Backend Programming*

1. Languages: PHP
2. Framework: Laravel

4.2 DATA MODELING AND MANAGEMENT

1. **Database:** MySQL database

4.3 VERSION CONTROL

1. GitHub for project version control

4.4 DESIGN & PROTOTYPING

1. Figma for UI/UX design and wireframing
2. Draw.io

4.5 IDES

Visual Studio Code, MySQL workbench, Laragon for local server setup

5 TIME PLAN

5.1 GANTT CHART

Time Management	Weeks								
	01	02	03	04	05	06	07	08	09
Searching project title and gathering information									
Preparing project proposal /presentation									
Planning and design									
Development									
Website content and data entry									
Testing and bug fixing									
Final preparation									
Report writing									
Prepare presentation									

5.2 SCHEDULE AND BUDGET SUMMARY

Task	Duration	Cost (LKR)
Domain and Hosting	1 year	4000
Frontend Development (HTML, CSS, JS)	3 weeks	3000
Backend Development (Laravel)	5 weeks	5000
Testing and Debugging	1 weeks	1000
Miscellaneous	-	1000
Total Budget	9 weeks	14000

6 REFERENCES

1. Laravel Documentation
[Laravel Official Documentation](#)
2. PHP Official Documentation
[PHP Documentation](#)
3. MySQL Documentation
[MySQL Official Documentation](#)
4. GitHub Version Control Best Practices
[GitHub Git Guide](#)