

PROJECT SYNOPSIS REPORT ON

## BuyBliss: FASHION MARKETPLACE

SUBMITTED

TO

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FOR

INTEGRATED PROJECT (22CS038)



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# PROBLEM STATEMENT

In today's fast-paced world, consumers place a high value on convenience, variety, and a personalized shopping experience when it comes to fashion. However, many existing online fashion platforms fall short of meeting these expectations, often leading to a frustrating shopping journey. Shoppers frequently struggle with discovering trendy and relevant items due to ineffective recommendation systems, navigating cluttered or unintuitive interfaces, and receiving inadequate customer support. These challenges not only hinder the overall shopping experience but also impact customer satisfaction and long-term brand loyalty, highlighting the need for a more seamless, engaging, and user-centric fashion marketplace.

1. TITLE OF PROJECT - BuyBliss : A FASHON MARKETPLACE

# OBJECTIVE AND KEY LEARNINGS

## Objectives

* **Fashion Marketplace** – BuyBliss connects buyers and sellers with a seamless shopping experience, secure payments, and efficient order management.
* **Personalized & Seller Features** – Offers tailored product recommendations, seller dashboards, and a robust backend for data management..
* **Scalable & Secure** – Ensures responsive design, data security, and scalability for a reliable e-commerce platform.
* **User-Friendly Experience** – Intuitive navigation and smooth UI/UX for hassle-free browsing and purchasing.
* **Advanced Tech Integration** – Utilizes modern frameworks and technologies for high performance and reliability.

## Key Learnings

1. Technical Skills:

* Built both frontend and backend components using full-stack technologies.
* Integrated APIs and managed databases for seamless functionality.
* Implemented secure payment gateways and transaction handling.
* Designed intuitive and responsive user interfaces to enhance user experience.
* Applied best practices for application deployment, performance optimization, and scalability.

1. Problem-Solving:
   * Addressed challenges in optimizing user experience and navigation.
   * Resolved issues related to seamless integration of APIs and payment gateways.
   * Enhanced order management and customer support features for improved user satisfaction.
2. Project Management:
   * Coordinated development workflows for an efficient and scalable e-commerce solution.
   * Conducted thorough testing and debugging to ensure platform reliability.
   * Managed project timelines while maintaining high-quality development standards.

4. Data Security and Management:

* + Developed authentication mechanisms to secure user data.
  + Implemented robust data management strategies for handling large-scale information.
  + Ensured compliance with security protocols to protect sensitive data.

# TECH STACK

## Technological Options:

* + **Frontend:** React.js for building dynamic user interfaces.
  + **Backend:** Node.js with Express.js for handling server-side logic and APIs.
  + **Database:** MongoDB for managing user data, podcasts, and favorites.
  + **Authenication :** Two-factor authentication using otp and mail system.

# ADVANTAGES AND DISADVANTAGES

## Advantages

### Personalization:

* + AI-driven product recommendations enhance the shopping experience by suggesting trendy and relevant fashion items.

### Security:

* + Two-factor authentication ensures robust security for user accounts and Secure payment gateways and authentication mechanisms ensure safe transactions and protect user data.

### User Friendly Interface:

* + Intuitive design and seamless navigation provide a smooth and engaging shopping experience.

### Seller Empowerment :

* + Dedicated seller dashboards help vendors manage their products, track sales, and optimize their business.

### Scalability and Performance:

* + The platform is built with scalability in mind, ensuring smooth performance even as the user base grows.

## Disadvantages:

### Complexity:

* + Implementing personalized recommendations and seller dashboards requires advanced development efforts.

### Performance:

* + Handling large product inventories and high user traffic may require continuous optimization and server upgrades.

### Maintenance:

* + Regular updates will be needed to improve UI/UX, integrate new features, and fix potential issues.

### Security Risks:

* + E-commerce platforms are prone to cyber threats.

# 6)REFERENCES

# [1] Krit Somkantha, Nipon Theera-Umpo, “Boundary Detection in Medical Images Using Edge Following

# “Algorithm Based on Intensity Gradient and Texture Gradient Features”.

# [2] H.Chidiac, D.Ziou, “Classification of Image Edges”,Vision Interface’99, Troise-Rivieres, Canada, 1999.pp. 17-24.

# [3] Q.Ji, R.M.Haralick, “Quantitative Evaluation of Edge Detectors using the Minimum Kernel Variance Criterion”, ICIP 99. IEEE International Conference on Image Processing volume: 2, 1999, pp.705-709

# [4] M.Woodhall, C.Linquist, “ New Edge Detection Algorithms Based on Adaptive Estimation Filters”, Conference

# Record of the 31st Asilomar IEEE Conference on Signals Systems & Computers, volume: 2, 1997, pp. 1695-1699

# [5] C. Harris and M.J. Stephens. A combined corner and edge detector. In Alvey Vision Conference, pages 147–152,1988.

# [6] C. Schmid, R. Mohr, and C. Bauckhage. Evaluation of interest point detectors. International Journal of Computer Vision, 37(2):151–172, June 2000.

# [7] Thomas B. Moeslund. Image and Video Processing. August 2008.