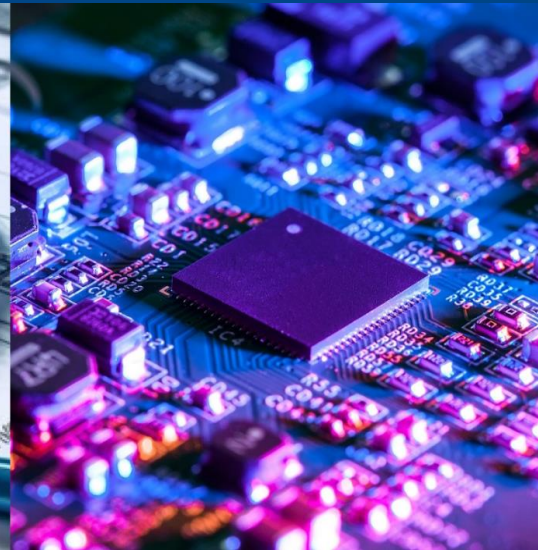
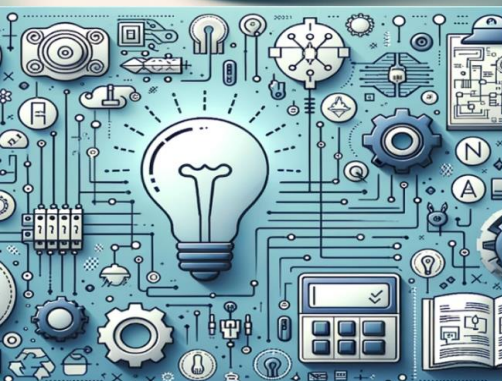




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Online Jewellery Shop System

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ABSTRACT: The Online Jewellery Shop System is an e-commerce web application that facilitates the online purchase and management of jewellery items, including gold, silver, and diamond pieces. The system supports three main user roles: Admin, Staff, and User. Admins manage product inventory, staff, and reporting. Staff handle customer enquiries, bookings, and billing. Users can browse products, place bookings, and give reviews. The system is developed using PHP and MySQL, and is designed to streamline operations, improve customer engagement, and enhance business insights through real-time reporting and analytics.

KEYWORDS: -Jewellery Shop, E-commerce, Inventory Management, PHP, MySQL, Online Shopping, CRM.

I. INTRODUCTION

Jewellery has been a significant part of global trade, particularly in India where the market is culturally and economically vital. Traditional jewellery retailers face various issues including manual bookkeeping, lack of centralized data, high chances of stock mismanagement, and poor customer record maintenance. With digitalization revolutionizing retail sectors, jewellery businesses need robust, secure, and affordable IT solutions. The Jewellery Shop System offers a centralized platform with online access, improving business operations, reducing human errors, and enhancing customer service.

II. LITERATURE REVIEW

Several platforms like CaratLane, BlueStone, and Tanishq have moved to digital e-commerce, offering search filters, stock visibility, and user-friendly interfaces. However, such platforms are either vendor-locked or resource-intensive, making them unfeasible for local businesses. Academic research supports digital transformation for SMEs using lightweight tools built on open-source technologies. Our system builds on the findings from 'Jewellery Store Automation using PHP and MySQL' and fills gaps left by large-scale e-commerce tools through personalized, cost-efficient solutions.

III. METHODOLOGY OF PROPOSED SURVEY

The system follows a modular design and uses the LAMP stack (Linux, Apache, MySQL, PHP). It adopts the waterfall software development model covering requirement analysis, design, development, testing, and deployment. Key modules include Admin, Staff, and User modules, each with specific roles and responsibilities.

The Modules involved are

- Admin
- Staff
- User Registration

Admin User: Admin login access to the full system and can add or delete employees as well. The admin have to fill the user name and unique password and the press to the submit button to access admin area. Admin view all products details and users details

Staff: User Login the process by which an employee gains access to a computer system by identifying and authenticating themselves. The user have to fill the user name and unique password and the press to the submit button. User can buy and view products.



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User Registration: The User registration form contains a list of fields that is used to input data about customer. To add a new customer we required to fill the given form which contain User name, email, contact number, and address and then submit it.

IV. SYSTEM DESIGN

Entity-Relationship diagrams, class diagrams, and use-case diagrams are used to model the system architecture. The database is normalized to avoid redundancy. Security is implemented through encrypted passwords, session management, and role-based access control.



Figure 1: Jewellery Shop System

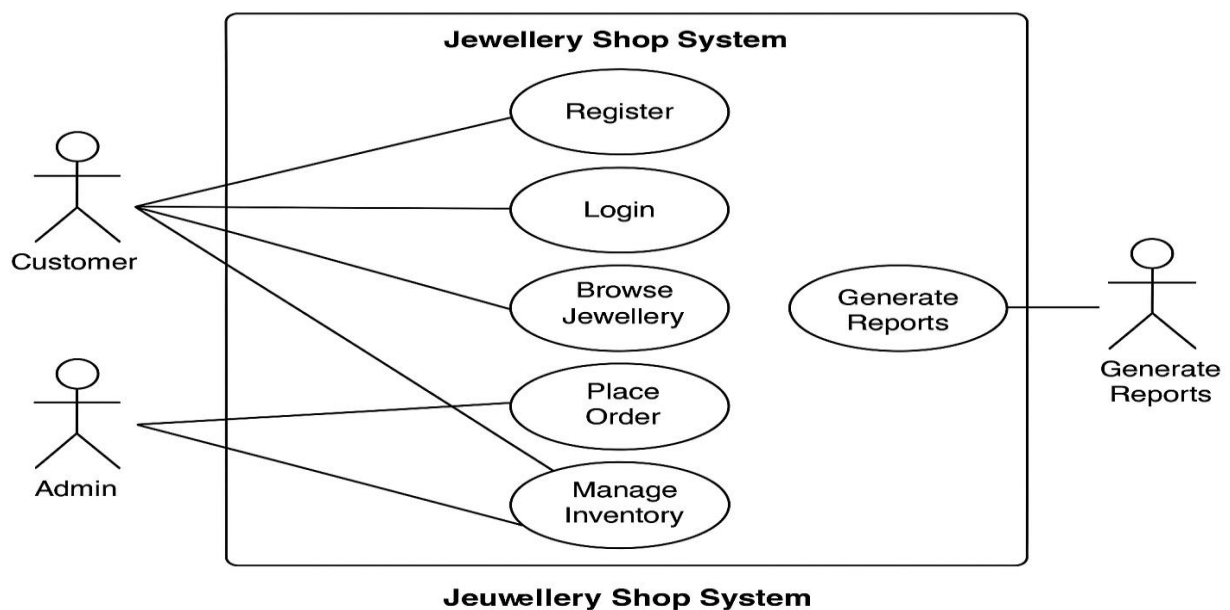


Figure 2: Use-Case Diagrams



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V. CONCLUSION AND FUTURE WORK

The Jewellery Shop System successfully bridges the gap between traditional business models and modern retail technologies. By leveraging open-source technologies, this platform offers a cost-effective solution that ensures data integrity, improves operations, and enhances the customer experience. With future enhancements such as mobile app support and AI-powered analytics, the system is poised to scale with evolving business needs and market trends.

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