

Online Coffee Shop Management System

Vaibhav Mali , Vaibhav Mane , Prajwal Zanje, Prof. N.B.Khade
karmayogi institute of technology shelve pandharpur Computer Science Engineering

Abstract- Digital image classification plays a significant role in the early detection and analysis of medical conditions. Traditionally, diagnosis is performed manually by ophthalmologists through examination of retinal fundus images. However, this process is time-consuming, requires expert knowledge, and may sometimes lead to errors due to human limitations. In contrast, automated digital image classification systems provide a faster, more consistent, and cost-effective solution by analyzing large volumes of medical images efficiently. This work focuses on the application of digital image classification techniques for identifying different stages of diabetic retinopathy. Additionally, different image preprocessing, feature extraction, and classification methods are discussed. The study also summarizes the key image features commonly used in previous research for accurate classification of retinal images into different disease categories.

Keywords- Online Coffee Shop Management System, E-Commerce Application, Digital Ordering System, Online Billing System, Coffee Shop Automation, Customer Management.

I. INTRODUCTION

Coffee shops are popular places for relaxation and social interaction. With the rise of digital technology and changing customer habits, many businesses are moving online. The Online Coffee Shop Management System is designed to meet this need by providing a platform where customers can place orders online and the coffee shop can manage everything digitally. This system brings comfort to customers and improves the efficiency of shop operations. The system enables customers to browse the menu, place orders, make payments, and schedule pickups or deliveries from the comfort of their homes or workplaces. On the other hand, administrators can monitor inventory, manage staff schedules, track sales, and ensure high-quality customer service through an intuitive interface.

By leveraging technology, the system eliminates common challenges in traditional coffee shop management and enhances operational efficiency. The hospitality and foodservice industry, particularly coffee shops, has witnessed significant growth in recent years. As a result, businesses are under pressure to provide superior customer experiences while keeping operations cost-effective. The shift toward online platforms has been accelerated by advancements in technology, changes in consumer behavior, and recent global events such as the COVID-19 pandemic, which emphasized the importance of online ordering delivery system

OBJECTIVE.

- To provide an online platform for ordering coffee and snacks.
- To reduce manual work and errors in billing and order management
- To manage customer data and order history.
- To support multiple payment methods like UPI, card, and cash.
- To allow the admin to manage products and view reports.

II. RESULT AND CONCLUSION

1 Experimental Setup Objective: Develop and evaluate a Online Coffee Shop Management System using PHP.
Experimental Variable: Independent Variables: • Number of users using the system at the same time • Number of products in the menu • Type of internet connection (fast or slow) • Type of payment used (UPI, Card, or Cash) Dependent Variables: • How fast the website loads • How accurate the billing is • If the orders are completed successfully • How quickly the admin page shows reports
Need: Earlier System (Traditional Method):
1. Manual Order Placement: Customers had to visit the coffee shop physically to place their orders. 2. No Online Booking: There was no option for customers to book or order items in advance through the internet. 3. Cash- Only Payments: Payment was mostly done using cash. No online or digital payment options were available. 4. Limited Menu process time-consuming and sometimes inaccurate. 7.

No Home Delivery: Most traditional coffee shops didn't provide home delivery service. Proposed System (New Online Coffee Shop Management): 1. Online Order Facility: Customers can place their orders online from home using a website or app. 2. Digital Menu Access: Full menu with prices and item images is available online for easy viewing. 3. Multiple Payment Methods: Customers can pay using UPI, QR Code, Credit/Debit Cards, or Cash on Delivery.

Customer Login & Signup: Users can create accounts, login securely, and view past orders. 5. Admin Panel: The admin can manage orders, verify documents, approve or reject registrations. 6. Order Tracking: Customers can track the status of their order in real-time. 7. Fast & Error-Free: The digital system reduces human errors and speeds up the entire process. 8. Experimental Validation: Customer documents are verified with registration details to prevent fraud. 9. Home Delivery Option: Orders can be delivered to the customer's home based on the address provided. 10. Feedback and Ratings: Customers can give feedback, which helps improve service quality. 2 Instruction for operating the system: System Requirement: Component Minimum Requirement Processor Intel i3 or above RAM 4 GB or higher Hard Disk 100 GB free space Display 1024x768 resolution or higher Internet Required for online operations

III. PROPOSED SYSTEM

The Proposed System is an online platform that allows users to order coffee and other products from a coffee shop through a website. It is designed to replace the traditional method of visiting the shop physically. The system is userfriendly, secure, and helps both customers and shop owners manage everything digitally.

User Registration and Login

- Customers can create an account by entering personal details and uploading a valid ID document.
- Login is allowed only after admin approval.

Admin Verification Panel

- Admin can view the uploaded document and compare it with entered data.
- Admin can approve or reject customer registration requests.

Product Catalog

- Customers can see all available coffee items with names, images, and prices.
- Products can be added to the cart.

Online Order System

- Customers can place orders from the website.
- Total amount is calculated automatically.

Payment Methods

- UPI, QR code, or Cash on Delivery options available.
- Payment instructions are displayed to the customer.

Order Confirmation

- After payment method selection, the order is confirmed
- A bill/receipt is shown to the user.

Data Management

- Customer details, product data, and order history are saved in the backend using MySQL or CSV files.

THE PROPOSED SYSTEM

is an online platform that allows users to order coffee and other products from a coffee shop through a website. It is designed to replace the traditional method of visiting the shop physically. The system is userfriendly, secure, and helps both customers and shop owners manage everything digitally.

User Registration and Login

- Customers can create an account by entering personal details and uploading a valid ID document.
- Login is allowed only after admin approval.

Admin Verification Panel

- Admin can view the uploaded document and compare it with entered data.
- Admin can approve or reject customer registration requests.

Product Catalog

- Customers can see all available coffee items with names, images, and prices.
- Products can be added to the cart. 4. Online Order System
- Customers can place orders from the website.
- Total amount is calculated automatically.

Payment Methods • UPI, QR code, or Cash on Delivery options available.

- Payment instructions are displayed to the customer.

Order Confirmation

- After payment method selection, the order is confirmed.
- Verifying customer identity before giving access
- Providing an admin panel for approval and order tracking
- Offering various payment options like UPI, QR code, and cash on delivery

Storing all important data in a database for smooth management
Through this project, we have seen how a simple web- based system can bring great benefits to both customers and coffee shop owners. It saves time, reduces manual work, and improves the overall user experience. Although there are a few limitations such as no live tracking or advanced security, the system is a strong base for future development. It can be improved further by adding real payment integration, mobile app support, and automatic document verification.

REFERENCES

1. PHP Documentation: <https://www.php.net/manual/en/>
2. W3Schools PHP Tutorial: <https://www.w3schools.com/php/>
3. PHP Coffee Shop Management Project (GitHub): Explore Git Hub repositories for prebuilt coffee shop projects to use as inspiration:Example: <https://github.com/topics/phpecommerce>
4. PayPal Developer: <https://developer.paypal.com/> Guide to integrating PayPal with PHP for payment processing.
5. <https://github.com/topics/php-ecommerce> Open-source repositories showcasing e-commerce websites, which can be adapted for coffee shop management.
6. MySQL Documentation: <https://dev.mysql.com/doc/> Official documentation for MySQL, covering database creation, queries, and optimization.