Proposed Solution Template

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Project Name: Shop Smart: Your Digital Grocery Store Experience

Maximum Marks: 4

1. Problem Overview

Traditional grocery shopping faces several challenges such as time-consuming store visits, difficulty tracking offers, lack of personalized recommendations, limited product availability, and long checkout queues. Customers need a convenient solution to purchase groceries anytime and anywhere.

2. Proposed Solution

Shop Smart is a digital grocery platform that allows users to browse, select, and order groceries online with personalized recommendations, secure payment, and delivery tracking.

3. Key Features

1 User registration and login
2 Search and filter grocery products
3 Add/remove items to cart
4 Personalized recommendations
5 Auto price calculation and discounts
6 Multiple payment methods
7 Delivery tracking
8 Admin inventory management

4. System Workflow

1 User logs into the application
2 User browses products
3 Items added to cart
4 System suggests items
5 Payment completed
6 Order delivered

5. Technologies Used

1 Frontend: HTML, CSS, JavaScript

2   Backend: Node.js / Python / Java
3   Database: MySQL / MongoDB
4   Payment & Notification APIs

6. Expected Outcome

Faster purchasing experience, reduced shopping time, better satisfaction, increased sales, and efficient inventory management.

7. Conclusion

Shop Smart provides a modern and intelligent digital grocery shopping experience improving convenience and engagement.