

Project Report Format

1. INTRODUCTION

1.1 Project Overview: The ShopSmart project will develop a comprehensive e-commerce platform for online grocery shopping, focusing on a convenient and seamless user experience from product discovery to secure checkout. Built on a modern cloud architecture using Agile methods, the application will deliver a reliable, secure, and high-performance digital storefront.

1.2 Purpose: The purpose of the ShopSmart project is to meet consumer demand for online groceries by creating a convenient, user-centric digital marketplace. This will establish a scalable and secure new revenue stream for the business, built on a modern technology platform to support future growth.

2. IDEATION PHASE

2.1 Problem Statement

2.2 Empathy Map Canvas

2.3 Brainstorming

3. REQUIREMENT ANALYSIS

3.1 Customer Journey map

3.2 Solution Requirement

3.3 Data Flow Diagram

3.4 Technology Stack

4. PROJECT DESIGN

4.1 Problem Solution Fit

4.2 Proposed Solution

4.3 Solution Architecture

5. PROJECT PLANNING & SCHEDULING

5.1 Project Planning

6. FUNCTIONAL AND PERFORMANCE TESTING

6.1 Performance Testing

7. RESULTS

7.1 Output Screenshots:

1.

<https://drive.google.com/file/d/1QPGxGQE6klUgBtB2hMIZPYyo2MdHxTpm/view?usp=sharing>

2.

<https://drive.google.com/file/d/17NG7T7s6SiD0twmsQDggDhqLi0mMEb1/view?usp=sharing>

3. https://drive.google.com/file/d/1tcy3Fy_TPKR1TfoY0z0q39fhbpPcLKeR/view?usp=sharing

8. ADVANTAGES & DISADVANTAGES: The project's key advantage is using a modern tech stack to meet strong market demand, but it faces significant disadvantages from high competition and the complexities of real-world logistics.

9. CONCLUSION: By leveraging a modern cloud architecture and an agile development process, the ShopSmart project is strategically planned to deliver a secure, scalable, and user-friendly online grocery platform to meet significant market demand.

10. FUTURE SCOPE: Future scope involves launching a native mobile app, introducing AI-powered personalization and loyalty programs, and integrating advanced inventory and delivery logistics.

11. APPENDIX

GitHub Repo link: <https://github.com/Gundamadhav/your-digital-basket.git>

Project Demo link: <https://preview--your-digital-basket.lovable.app/>