



Snack Squad: A Customizable Snack Ordering and Delivery App

Snack Squad is your go-to companion for planning the perfect movie night, party, or casual get-together. Whether it's chips, candies, popcorn, or beverages, Snack Squad lets users **browse**, **customize**, and **order** snacks effortlessly, with real-time updates and doorstep delivery.



Scenario

Ethan is hosting a movie night. Instead of juggling multiple apps and stores, he downloads **Snack Squad**, browses the snack catalog, customizes his cart, and places an order — all within minutes. The snacks are delivered just in time, making the evening perfect.



Features

- User Registration & Login
- Browse Snack Catalog with Images & Descriptions
- Add to Cart & Real-Time Price Updates
- Snack Customization (Flavors, Sizes, Packaging)
- Secure Payment Gateway (Google Pay, Apple Pay, Cards)
- Live Order Tracking
- Ratings & Feedback
- Order History & Favorites



Architecture

- 3-tier architecture (Presentation → Application Logic → Data)
- IBM Watson integration for smart assistance
- Cloud storage for image and snack data
- Scalable backend and secure payment routing



Sprint Breakdown

Sprint	Features Covered
Sprint 1	Registration/Login
Sprint 2	Dashboard & User Profile
Sprint 3	Snack Catalog, Cart Functionality
Sprint 4	Payment Integration & Admin Panel



Duration: 4 sprints × 6 days = 24 days



Velocity: ~1 point/day

Performance Testing

- 👤 Load Test: 100 users/sec
 - ⚡ Avg Response Time: < 1.2s
 - 🧠 Cache Mechanism for repeated snack queries
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Advantages

- Fast snack discovery
- Real-time tracking
- Personalization options

Limitations

- Requires stable internet connection
- Depends on third-party delivery networks

Conclusion

Snack Squad redefines the snack ordering experience with a sleek interface, customizable options, secure transactions, and seamless delivery. Designed for convenience and built with future scalability in mind, it's not just an app — it's a snack revolution.

Appendix

- 📁 Source Code: Available in this repository
 - 📄 DFDs, User Stories, and Architecture Diagrams: Included in `/docs`
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