Pizza Delivery App – Group 4
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Software Project Management Plan (SPMP)

1.1 Project Overview

The Pizza Delivery App is a web-based application designed for small to medium-sized pizza businesses. It provides an affordable, customizable online ordering system that replicates essential features of large pizza chain ordering platforms while focusing on pizza-specific customizations.

Key project goals:

- Build a responsive, user-friendly interface for customers to browse and customize pizzas.
- Enable online cart management, checkout, and order confirmation.
- Provide a scalable solution with Firebase backend support.
- Use customer data to build graphs that identify trends, and insights that would optimize business
- Deliver a well-documented, collaborative project that demonstrates software engineering practices.

1.2 Project Tools

- **Development Environment:** Visual Studio Code
- **Languages/Frameworks:** HTML, CSS, JavaScript (React optional), Python, Firebase
- **Version Control:** GitHub (central repo for code, documents, and issues)
- **Project Management:** GitHub Projects for task tracking, milestones, and deadlines
- **Communication:** Discord chat for daily communication and weekly meetings
- **Documentation:** Markdown files in repo; Google Docs for drafts before committing

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1.3 Scheduling

The project will be developed iteratively, with milestones aligned to course deadlines.

- **Week 1–2:** Finalize requirements, refine project proposal, set up GitHub repo.

- **Week 3–4:** Build menu browsing page and shopping cart (frontend focus) and testing side by side.
- **Week 5–6:** Implement checkout functionality and integrate Firebase backend and testing side by side.
- **Week 7:** Conduct integration testing across all features.
- **Week 8:** Final refinements, testing, documentation, and demo preparation.

Each week includes deliverables in GitHub (code + documentation updates).

1.4 Risk Management

Risk	Likelihood	Impact	Mitigation
Scope creep (adding too many features)	Medium	High	Stick to core features; treat extras as optional stretch goals.
Technical challenges (React/Firebase integration)	Medium	Medium	Assign dedicated research tasks, create fallback plan (vanilla JS).
Team coordination issues	Low–Medium	High	Weekly meetings, rotational project manager, GitHub issue tracking.
Time constraints	Medium	High	Prioritize minimal viable product first; refine later.
Deployment issues	Low	Medium	Test both local demo and Firebase hosting early.

GitHub Repository Link

👉 GitHub Repository – Group 4 Pizza Delivery App