

Pizza Delivery App – Group 4

Team Members: Daniel Araujo, Prachish Pandey, Ishrak Mulla, Djoulie Saint Louis, Zeyu Zhang

Software Configuration Management Plan (SCMP)

1.1 Project Artifacts

Artifacts include:

- **Design Documents** (proposal, SPMP, SCMP, architecture diagrams)
 - **Source Code** (HTML, CSS, JavaScript/React, Firebase integration scripts)
 - **Test Files** (unit and integration test cases)
 - **Documentation** (user guide, developer setup guide, final report)
-

1.2 Version Control

- GitHub will serve as the central repository.
 - Branching strategy:
 - **main** branch (stable release-ready code).
 - **feature/*** branches (individual features by team members).
 - Pull Requests (PRs) will require at least one peer review before merging.
-

1.3 Change Management

- All changes will be documented through GitHub Issues and PR descriptions.
 - Milestones in GitHub Projects will track progress.
 - Significant design changes will require group discussion and approval during weekly meetings.
-

1.4 Build and Deployment

- Local builds managed through npm/Vite.
- Firebase Hosting for deployment.
- Demo will also be prepared to run directly from laptops in case of hosting issues.

1.5 Project Cost Estimation

Category	Description	Estimated Cost / Effort
Personnel Effort	5 team members, ~5 hrs/week for 8 weeks (200 total person-hours).	~200 hours (no direct cost, course project)
Project Management	Weekly coordination meetings, documentation, reporting.	20 hours (shared among team)
Development Tools	VS Code (free), Browser DevTools (free), GitHub Student Pack (free).	\$0
Version Control/Collab	GitHub repository (free for students).	\$0
Frontend Development	HTML, CSS, JavaScript work for menu, cart, checkout.	~80 hours
Backend/Database	Firebase setup, menu/order data storage, hosting. Free tier covers this project.	\$0 (Firebase Free Tier)
UI/UX Design	Wireframing, responsive CSS, styling consistency.	~40 hours
Testing & QA	Unit testing, integration testing, usability testing.	~60 hours
Deployment/Hosting	Firebase Hosting or AWS Free Tier.	\$0 (within free limits)
Contingency	Buffer for unexpected technical challenges (React/Firebase issues).	~20 hours
Total		~400 person-hours, \$0 (tools/hosting covered by free tiers) 400 hours * 70\$/hour (hourly rate) = 28,000\$

GitHub Repository Link

👉 [GitHub Repository – Group 4 Pizza Delivery App](#)
