

Definition of Done(DoD)

Sprint Level DoD

No.	Task	Status
	Accessibility & Inclusion	
1	Offline Indicators: UI clearly shows when the user has lost connection (PWA grayscale/banner).	
2	Alt Text: All product images and icons have descriptive alt text for screen readers.	
3	Touch Targets: Buttons are at least 44x44px for easy tapping by farmers in outdoor settings.	
	Ethics & Privacy	
4	AI Disclaimer: The "Smart Agent" clearly identifies itself as an AI, not a human expert.	
5	Escrow Transparency: User is explicitly notified that funds are "Held" and not yet transferred to the seller.	
	Code Quality	

6	No Secrets: GCP Credentials and Paystack Keys are using Environment Variables (not hardcoded).	
7	Modular Integrity: New code does not break the Modular Monolith structure (FastAPI).	
	Testing	
8	Unit Tests: Escrow logic and fee calculations (5% platform fee) passed.	
9	Integration Tests: Frontend (React) successfully communicates with Backend (GCP) without CORS errors.	
10	Availability Check: Service "Health Check" endpoint returns 200 OK within 500ms.	
	Deployment & Acceptance	
11	GCP Deployment: Code is successfully deployed to Google Cloud (App Engine/Cloud Run).	
12	PWA Verification: App installs on mobile home screen and loads the App Shell while offline.	
13	Documentation: Swagger/OpenAPI docs updated to reflect any new endpoints.	
	CI/CD	

14	Build Pipeline: GitHub Actions/Cloud Build completes without errors.	
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Project Level DoD

No.	Task	Status
	Inclusivity & Accessibility	
1	Dual-Mode Function: A single account can successfully switch between "Buyer" and "Farmer" views.	
2	Low Connectivity Support: Core features (View Products, Draft Listing) work on 2G/Simulated Offline mode.	
3	Multimodal Support: AI Agent accepts text OR image inputs (e.g., photo of a crop).	
4	Visual Clarity: High contrast colors used for outdoor visibility (Farmers using phone in sunlight).	
	Ethics, Privacy & Security	
5	Data Encryption: Farmer PII (Phone numbers, Location) is encrypted in PostgreSQL.	

6	Trust Mechanism: Escrow logic logically prevents fund release before "Delivery Confirmed" event.	
7	AI Safety: System Prompts constrains the AI to agricultural topics only.	
	User-Centered Design	
8	Persona Validation: Verified flows against "Opanyin Kwame" (Farmer) and "Auntie Esi" (Buyer) needs.	
9	Performance: PWA Lighthouse Score > 90 (Performance & Accessibility).	
	Technical & Operational	
10	Availability Target: System aims for 99.9% uptime (Current Status: FAILED - 39% - See Retrospective).	
11	Scalability: Database schema (Postgres + Mongo) handles concurrent read/writes.	
12	Dispute Resolution: Admin dashboard allows manual intervention in Escrow disputes.	
13	Sustainability: Documentation includes a plan for maintaining GCP costs and platform fees.	