

eBuildify Platform - Sprint 2 Report

Core Product Catalog & User Management Sprint

Executive Summary

Sprint 2 delivered comprehensive product catalog functionality with Ghana Card verification system, achieving 7 out of 8 planned stories. The team successfully implemented customer profile management, search/filtering capabilities, and early adopter incentives. One high-priority story regarding bulk pricing was moved to Sprint 3 to ensure quality delivery of core catalog features.

Sprint Overview

Attribute	Details
Sprint Number	Sprint 2
Duration	August 7-10, 2025 (4 days)
Sprint Goal	Complete product catalog with Ghana Card verification and customer management
Team Composition	7 members (Scrum Master, Product Owner, Frontend Dev, Backend Dev, DevOps, UI/UX Designer, QA Engineer)
Planned Capacity	20 story points
Client	Sol Little By Little Enterprises

Completed Work

✔ **User Stories Delivered (7/8)**

Story ID	Title	Priority	Status	Acceptance Criteria Met
BE-59	First 20 customers incentive packages	Highest	✓ DONE	Customer counter, discount codes, exclusive offers implemented
BE-67	Brand assets and UI component library	Highest	✓ DONE	Complete brand integration with mobile-responsive components
BE-58	Ghana Card verification refinement	Highest	✓ DONE	Enhanced security and validation with encrypted storage
BE-56	Cement batch number compliance	Highest	✓ DONE	Batch tracking integrated with invoice generation
BE-71	Customer search by brand/type	Medium	✓ DONE	Search with auto-suggestions and keyword filtering
BE-78	Service availability management	Medium	✓ DONE	Service calendar and consultant booking slots
BE-86	Birthday/holiday greeting system	Medium	✓ DONE	Automated personalized messaging with promotional codes

Major Features Delivered:

- ✓ **Complete Product Catalog:** Materials and services with categorization and filtering
- ✓ **Customer Profile System:** Registration, verification, and profile management
- ✓ **Search & Discovery:** Advanced filtering by brand, type, price, and category
- ✓ **Early Adopter Program:** Automated incentives for first 20 customers
- ✓ **Service Management:** Consultancy booking interface and availability tracking

In-Progress Work

No Stories Currently In Progress

All committed Sprint 2 stories were completed successfully. Team maintained focus on quality delivery rather than overcommitting.

Blocked/Delayed Items

Stories Moved to Sprint 3 (1 story)

Story ID	Title	Reason for Delay	Impact	Mitigation
BE-23	Bulk discount automation (≥100 units)	Complex pricing logic requires additional testing	Low - core catalog functional	Prioritized for early Sprint 3 completion

Root Cause Analysis:

- **Technical Complexity:** Bulk pricing integration required more sophisticated business logic than initially estimated
- **Quality Focus:** Team chose to perfect core catalog functionality before adding pricing complexity
- **Resource Allocation:** UI/UX designer time prioritized for mobile responsiveness over pricing interface

Sprint Metrics

Velocity Analysis

Metric	Planned	Actual	Variance
Story Points Committed	20 points	18 points completed	-10%
Stories Planned	8 stories	7 completed, 1 moved	87.5% completion rate
Team Velocity	20 points/sprint	18 points delivered	Slightly below target

Burndown Analysis

- **Ideal Trajectory:** 5 points/day decline over 4-day sprint
- **Actual Progress:** Consistent daily progress with quality focus
- **Day 3 Status:** 75% completion achieved
- **Sprint Outcome:** High-quality deliveries with controlled scope management

Quality Metrics

Technical Quality Indicators

Metric	Target	Achieved	Status
Code Coverage	80% minimum	88%	✅ Exceeded
UI/UX Testing	Mobile-first validation	100% responsive	✅ Met
API Performance	<200ms response time	150ms average	✅ Exceeded
Security Scans	0 critical issues	0 critical, 1 minor	✅ Met

User Experience Metrics:

- ✅ **Mobile Responsiveness:** 100% of catalog functions work on mobile devices
 - ✅ **Search Performance:** Product search returns results in <500ms
 - ✅ **Ghana Card Validation:** 95% success rate on card verification
 - ✅ **Customer Registration:** 3-step process completed in under 5 minutes
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Team Performance Insights

What Went Well ✅

- Feature Quality:** High-quality product catalog with excellent user experience
- Mobile-First Success:** Responsive design achieved 100% mobile compatibility
- Security Enhancement:** Ghana Card system strengthened with additional encryption
- Customer Focus:** Early adopter program creates strong customer engagement foundation
- Cross-Team Collaboration:** UI/UX and Frontend teams delivered seamless integration

Areas for Improvement 🔄

- Estimation Accuracy:** Bulk pricing complexity underestimated - improve technical spike process
- Parallel Development:** Some features could be developed in parallel to increase velocity
- Client Feedback Loop:** Need more frequent validation on business logic during sprint
- Testing Integration:** Earlier integration between QA and development teams needed

Team Velocity Trend

- Sprint 1:** 16 points (infrastructure focus)
 - Sprint 2:** 18 points (feature development)
 - Trend:** Positive trajectory as team adapts to feature development
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Risks and Dependencies

Current Risks ⚠️

Risk	Impact	Probability	Mitigation Strategy
Complex Pricing Logic	Medium	Medium	Dedicate Sprint 3 Day 1-2 to bulk pricing completion
Payment Integration Complexity	High	Medium	Early Flutterwave API testing in Sprint 3
Service Booking Validation	Low	Low	Client validation session scheduled for Sprint 3 start

External Dependencies 🔗

- **Payment Gateways:** Flutterwave integration testing needs to begin Sprint 3
- **Service Consultants:** Consultant onboarding process needs client input
- **Content Management:** Product catalog content requires ongoing updates

Timeline Impact Assessment

- ☒ **On Track:** Sprint 2 quality focus positions well for complex Sprint 3 payment features
- ☒ **Quality Buffer:** High-quality foundation reduces technical debt

Next Sprint Planning

Sprint 3 Priorities (August 11-17, 2025)


1. **Complete Shopping Cart:** Offline cart functionality and bulk pricing automation
2. **Product Comparison:** Side-by-side product comparison feature
3. **Order History:** Reorder functionality and purchase tracking
4. **Pickup Assignment:** Third-party pickup delegation system

Capacity Planning

- **Available Capacity:** 25 story points (full 7-day sprint)
- **Team Availability:** All 7 members confirmed available
- **Carry-over Work:** 1 story from Sprint 2 (BE-23 - Bulk pricing)
- **Sprint 3 Risk:** Higher complexity features require careful estimation

Key Deliverables for Sprint 3






- ☒ Shopping cart with offline support and bulk pricing
- ☒ Product comparison functionality
- ☒ One-click reorder from history

-  Pickup person assignment system
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Stakeholder Communication

Demo Scope Delivered

At Sprint 2 review, stakeholders observed:

1.  **Product Catalog:** Complete materials and services catalog with filtering
2.  **Customer Registration:** Ghana Card verification workflow in action
3.  **Search Functionality:** Fast product search with auto-suggestions
4.  **Mobile Experience:** Responsive design demonstration across devices
5.  **Early Adopter Program:** Automated incentive system for first 20 customers

Client Feedback Incorporation

- **Positive:** Excellent mobile user experience and comprehensive product catalog
 - **Concern:** Requested bulk pricing completion by mid-Sprint 3
 - **Request:** Additional service categories for consultancy booking
 - **Action:** Prioritize bulk pricing and expand service offerings
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Recommendations

For Sprint 3

1. **Complete Bulk Pricing First:** Dedicate first 2 days of Sprint 3 to completing BE-23
2. **Payment Integration Preparation:** Begin Flutterwave API integration testing
3. **Service Expansion:** Add architectural and quantity surveying service categories
4. **Performance Optimization:** Monitor catalog performance with increased product data

For Product Owner

- Validate bulk pricing business rules before Sprint 3 Day 3
- Prepare detailed acceptance criteria for payment integration stories
- Schedule consultant onboarding sessions for service booking validation

For Development Team

- Maintain excellent mobile-first development approach

- Begin payment gateway research and API testing
- Continue automated testing coverage above 85% threshold

Updated Sprint Backlog Status

Backlog Health

- **Total Stories:** 55 stories across 9 epics
- **Completed:** 15 stories (27%)
- **In Progress:** 0 stories
- **Ready for Sprint 3:** 8 high-priority stories
- **Technical Debt:** Minimal - quality focus maintained

Epic Progress Tracking

Epic	Completion %	Status
Epic 0: Infrastructure	100%	✓ Complete
Epic 1: Order Management	60%	🔄 In Progress
Epic 6: Customer Verification	100%	✓ Complete
Epic 7: Admin & Analytics	40%	📅 Planned

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Date: August 10, 2025

Next Sprint Review: August 17, 2025