

eBuildify Presentation Script & Timing Guide

Total Target Time: 6-7 minutes

Opening (30 seconds) - Enoch as Scrum Master

"Good [morning/afternoon], I'm Enoch Amarteifio, Scrum Master for BuildTech Solutions. Today we're presenting our mid-semester progress on eBuildify, a construction materials e-commerce platform for our client, Sol Little By Little Enterprises.

Our 7-member team has been working across infrastructure, frontend, backend, and QA roles to deliver a comprehensive solution for Ghana's construction industry."

[Advance to Slide 2]

Problem & Goals (45 seconds) - Charles as Product Owner

"I'm Charles, the Product Owner. Our client currently processes orders manually through WhatsApp and phone calls, causing significant inefficiencies.

eBuildify solves this with automated order processing, real-time inventory management, and multiple payment options including credit facilities. Our target: 30% sales increase and 40% faster fulfillment.

Key innovations include Ghana Card verification, mobile money integration, and offline cart functionality for Ghana's connectivity challenges."

[Advance to Slide 3]

Technical Deliverables (45 seconds) - Abdul as Backend Developer

"I'm Abdul, Backend Developer. We've completed comprehensive technical documentation: 55 user stories across 9 epics, 24 use cases with full traceability, and 16 non-functional requirements.

Our technical stack uses React 18 with PWA capabilities, Node.js backend, PostgreSQL database, and Flutterwave for payment processing.

The 369 story point backlog is prioritized using MoSCoW framework with Planning Poker estimation."

[Advance to Slide 4]

Software Models (30 seconds) - Timeon as Documentation Lead

"I'm Timeon, Documentation Lead. Our software engineering models include a comprehensive data flow diagram showing interactions between customers, the platform, and external services.

The UML class diagram implements inheritance for User types and Payment methods, with composition relationships ensuring data integrity.

Our microservices architecture supports scalability with API Gateway, load balancing, and external integrations for payments and mapping."

[Advance to Slide 5]

Live Demo (60 seconds) - Dompkeh as Additional Developer

"I'm Dompkeh. Let me show you our working prototype."

[Screen share to show live demo]

"Here's our Ghana Card verification system in action... [demonstrate registration]

Our product catalog features advanced filtering and mobile-responsive design... [show search/filter]

The shopping cart works offline and automatically applies bulk pricing - watch this 1.5% discount activate for 100+ units... [demonstrate cart]

Our GitHub repository shows active development with CI/CD pipeline and 92% code coverage."

[Return to slides - Advance to Slide 6]

Agile Metrics (45 seconds) - Muzamil as QA Lead

"I'm Muzamil, QA Engineer. Our velocity trend shows significant improvement: Sprint 1 delivered 16 points in 5 days, Sprint 2 achieved 18 points in 4 days, and Sprint 3 hit 26 points in 7 days.

That's a 62% velocity improvement, with completion rates climbing from 80% to 100%.

Quality metrics are strong: consistent 85%+ code coverage, 96% estimation accuracy, and zero critical production bugs."

[Advance to Slide 7]

Achievements & Challenges (60 seconds) - DevOps Lead (if present) or Enoch

"Our key achievements include robust CI/CD implementation, innovative offline functionality, and the automated bulk pricing engine.

We faced challenges with payment gateway complexity and Ghana Card API integration. Our mitigation strategies included dedicated payment sprints and implementing basic verification with enhancement options.

Team coordination improved significantly - our 7-member team evolved from initial communication overhead to seamless collaboration with enhanced standups and clear role definitions."

[Advance to Slide 8-9 quickly]

Current Status & Next Steps (45 seconds) - Charles as Product Owner

"Current project status: 65% complete and ahead of schedule. Infrastructure and customer verification are 100% complete, order management is 95% done.

Sprint 3 priorities focus on payment integration - completing MTN MoMo, Vodafone, and Telecel Cash integration, plus the B2B credit system.

We're targeting October 1st for MVP launch and December 15th for final release, staying within our ₵174,944 budget."

[Advance to Final Slide]

Closing & Questions (15 seconds) - Enoch as Scrum Master

"Thank you for your attention. We're proud of our technical progress and agile implementation. Our repository and demo environment are ready for your review.

We welcome any questions about our implementation, metrics, or future plans."

Backup Slides & FAQ Preparation

Technical Questions to Prepare For:

1. **"How do you handle offline synchronization conflicts?"**
 - *Answer: Cart data uses timestamps and user preference priority, with conflict resolution prompts when connectivity returns.*
2. **"What's your approach to Ghana Card API integration?"**
 - *Answer: Currently implementing basic verification with secure local storage, preparing for government partnership requirements.*
3. **"How do you ensure payment security?"**

- *Answer: PCI-DSS compliance planning, tokenization through Flutterwave, and encrypted data storage.*

Process Questions:

1. "How has your team velocity calculation method evolved?"

- *Answer: Started with capacity-based planning, moved to historical velocity with 96% accuracy in Sprint 3.*

2. "What's your biggest lesson learned about agile implementation?"

- *Answer: Quality focus over velocity - Sprint 2's strategic scope reduction led to Sprint 3's perfect execution.*
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Team Member Participation Distribution

- **Enoch (Scrum Master):** Opening + Process questions + Closing
- **Charles (Product Owner):** Problem statement + Future planning
- **Abdul (Backend):** Technical deliverables + Architecture questions
- **Timeon (Documentation):** Software models + Documentation questions
- **Dompkeh (Developer):** Live demo + Technical implementation
- **Muzamil (QA):** Metrics + Quality assurance questions
- **DevOps Lead:** Infrastructure + Deployment questions

Total Speaking Time: ~6 minutes + Q&A