

# AI-Enhanced Budgeting System

## Sprint 1 Review & Sprint 2 Planning

- Ahmad Sajjad (2023-CS-81)
- Ahmad Hassan (2023-CS-77)
- Huzaifa Arshad (2023-CS-86)
- Atif Awan (2023-CS-154)

# Sprint 1: Foundation & User Authentication

Sprint 1 focused on establishing a robust foundation for the AI Budget Dashboard and implementing secure user authentication protocols to ensure system reliability and user data protection from day one.

## Backend Infrastructure

Set up scalable cloud infrastructure and database architecture

## User Authentication

Develop secure login and session management system

## UI/UX Design

Create initial dashboard interface and design system

## Data Visualization

Integrate basic charts and analytics components



# Sprint 1 Velocity Analysis

Tracking task completion across Sprint 1 reveals our delivery capacity and areas where estimation accuracy can be improved for future sprints.

Task Description	Planned	Completed
Backend Infrastructure	8 SP	8 SP
User Authentication	13 SP	10 SP
UI/UX Design	5 SP	5 SP
Data Visualization	5 SP	3 SP

**Sprint Totals:** 31 SP Planned | 26 SP Completed | 82% Velocity



# Sprint 1 Performance: Achievements & Challenges

## Key Achievements

- Backend infrastructure fully operational and tested
- Complete UI/UX design system implemented
- Strong cross-team collaboration established

## Challenges Identified

- Authentication complexity exceeded initial estimates
- Third-party library integration delays impacted visualization
- Dependency risks not fully anticipated

# Sprint 1 Summary & Sprint 2 Roadmap

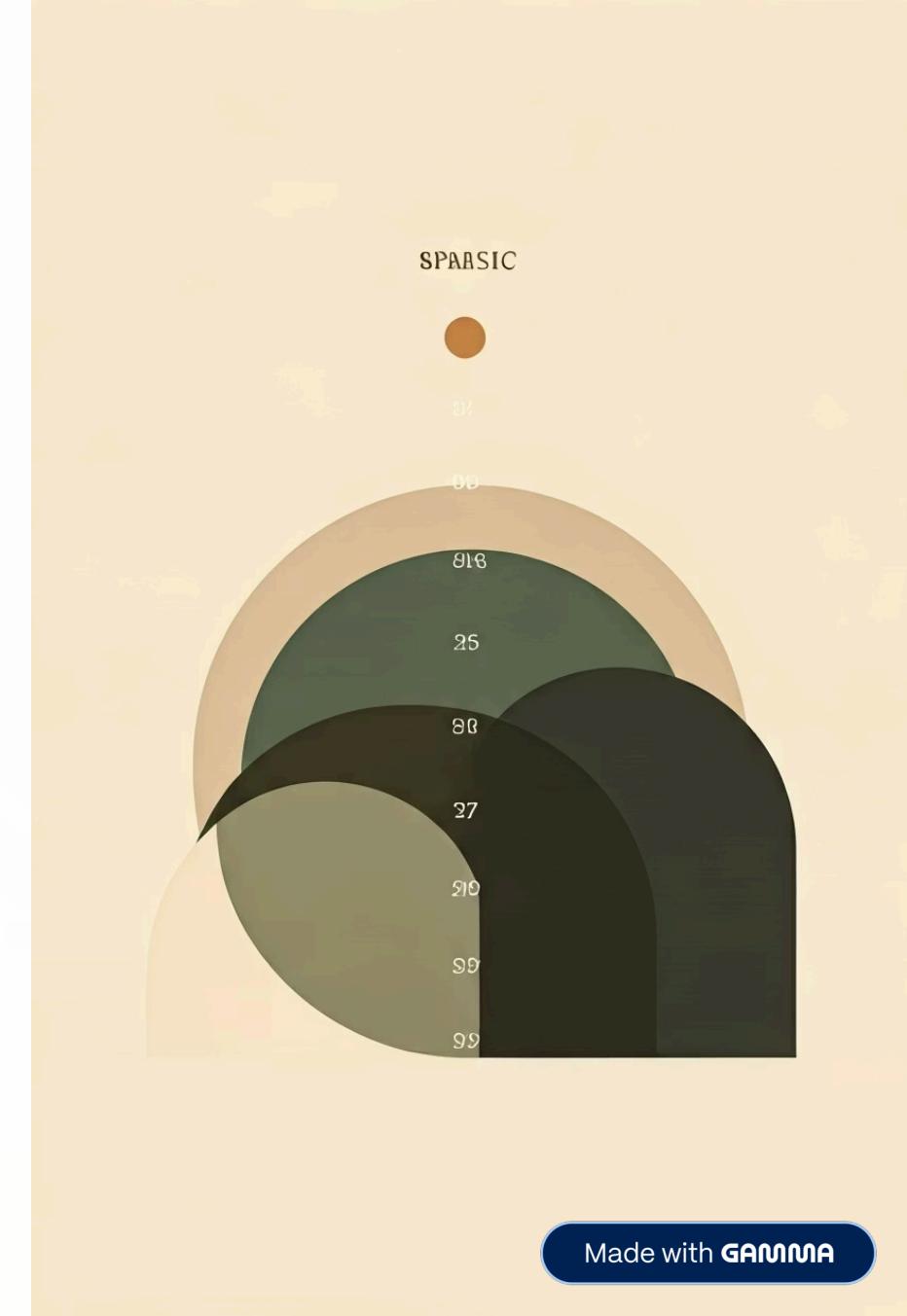
## Sprint 1 Summary

Sprint 1 successfully established the foundation for the AI Budget Dashboard with 82% velocity achievement. Backend infrastructure is production-ready and UI/UX design is complete.

**Status:** Foundation phase delivered on track

## Sprint 2 Priorities

- Finalize authentication system (12 SP)
- Real-time visualization enhancements (8 SP)
- Performance optimization (7 SP)
- Testing & QA pipeline (5 SP)



This document outlines the agenda and key outcomes for the Sprint Review of the AI-Enhanced Budgeting System, detailing the progress, metrics, and key discussions from the latest sprint.

## Sprint Review - AI-Enhanced Budgeting System

Time	Duration	Activity	Description	Presenter
9:00	5 min	Introduction	Product Name: AI-Enhanced Budgeting System. Intro: An AI-powered budgeting dashboard focusing on secure authentication, real-time analytics, and intelligent financial management.	Product Owner
9:05	5 min	Sprint Goals	<ul style="list-style-type: none"><li>• Build backend and scalable database infrastructure</li><li>• Implement secure login and session management</li><li>• Create initial UI/UX dashboard</li><li>• Integrate basic charts and analytics.</li></ul> Impact: Established foundation for core system architecture.	Product Owner
9:10	5 min	Status Overview	Backend and authentication systems operational. Visualization delayed due to third-party integration. Team collaboration improved significantly.	Scrum Master – Ahmad Hassan
9:30	20 min	Live Demo	Demonstrated login, session management, and dashboard charts. Showcased working data visualization and analytics prototype. Delivered tangible value with a functional foundation.	Development Team
9:35	5 min	Metrics	Velocity: Planned 31 SP   Completed 26 SP (82%). Task Breakdown: <ul style="list-style-type: none"><li>• Backend Infrastructure: 8/8 SP</li><li>• Authentication: 10/13 SP</li><li>• UI/UX: 5/5 SP</li><li>• Data Visualization: 3/5 SP</li></ul>	Team
9:40	5 min	Blockers	<ul style="list-style-type: none"><li>• Authentication complexity exceeded time estimates</li><li>• Third-party library delays</li><li>• Dependency issues unanticipated during planning</li></ul>	Scrum Master – Ahmad Sajjad
10:00	15 min	Q&A/Feedback	Stakeholders appreciated team progress and stable foundation. Feedback: Improve visualization speed and focus on real-time analytics for next sprint.	Stakeholders