

Scope Scenario: Current Scenario

Project Estimation Report

Generated on 3/25/2025

Executive Summary

This report provides a comprehensive analysis of the project scope, including estimated effort, duration, and cost. It includes detailed breakdowns of user stories grouped by business value and provides key metrics for project planning and resource allocation.

Key Metrics

Metric	Value
Total Stories	9
Total Story Points	45
Estimated Effort	313.2 hours
Estimated Duration	68.5 days
Estimated Cost	\$68,512.50
< Warning	This project exceeds one or more scope limits!

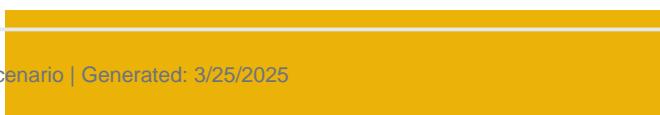
Business Value Distribution

Business Value	Count	Story Points	Percentage
Critical	3 stories	16 points	36%
Important	5 stories	26 points	58%
Nice to Have	1 stories	3 points	7%

Critical



36%



Scope Matrix

The scope matrix visualizes user stories positioned according to their business value and effort requirements. Stories are color-coded by business value for easy identification.

Scope Matrix

Matrix Interaction Guide

- Drag stories from the backlog into the matrix to prioritize them
- Position stories based on their business value (Critical, Important, Nice to Have) and effort
- Click on a story card to expand/collapse details
- Warning indicators appear when a story's business value doesn't match its position

Low Effort
(1-3 points)

Medium Effort
(5-8 points)

High Effort
(13-21 points)

Critical

high / low

Backlog Story Viewer



Critical 3 points Story Management

high/low

Formula: high/low = 3 points

high / medium

Client-Specific Story Access



Critical 5 points Access Control

high/medium

Formula: high/medium = 5 points

high / high

Real-Time Scope Metrics Panel



Critical 8 points Analytics high/high

Formula: high/high = 8 points

Important

medium / low

Scenario Presets and Reset



Important 3 points Configuration

medium/low

Formula: medium/low = 3 points

medium / medium

Business Value Mismatch Explanation



Important 5 points UX Enhancement

medium/medium

Formula: medium/medium = 5 points

medium / high

Scope Matrix Drag-and-Drop



Important 8 points UI Interaction

medium/high

Formula: medium/high = 8 points

Nice To Have

low / low

Scope Limiters



Nice to Have 3 points Planning

low/low

Formula: low/low = 3 points

low / medium

low / high

Total Points: 45

Total Effort: 313.2

Project Metrics Details

The following metrics provide detailed insights into the estimated effort, team productivity, and resource allocation for the project.

Scope Metrics

Project Settings
 Import Stories
 Export

CURRENT SCOPE

9 Stories

45 Points

Stories In Scope

9

Adjusted Effort

313.2

Exceeds hour limit

Timeline

68.51

(9 weeks, 6 days)

Exceeds duration limit

Estimated Cost

\$68,512

(\$125/hour)

Contributors

2

Effective: 1 (50% loss)

- Team Productivity Details

Communication Overhead:

Management Overhead:

AI Productivity Gain

4680%

AI Productivity Impact

Timeline Reduction

14.94%

Cost Saved

\$8,907

Team Communication Impact

Based on Brooks' Law, adding more people increases communication overhead. With 2 contributors, there are 1 possible communication paths.

Productivity Loss

50%

Effective Team Size

1

Breakdown of Overhead Factors:

Communication

0

Project Management

0.3

Account Management

0.2

White-glove service

Ramp-up Time

0

Context Switching

0.2

Total Overhead

0.7

0

Team Dynamics Impact

Based on Parkinson's Law and the law of diminishing returns for team size. The square root of the total contributors (1) contributes approximately 50% of the work.

Effective Team Size

1

Productivity Loss

50%

Formula

45 points × 8 hrs/point + (2 contributors × 80% allocation)

Project Settings

Team Configuration

Contributor Cost (Daily)	\$500.00
Contributor Count	2
Hours Per Day	8

Contributor Allocation	8000%
Scope Limiters	
Points Limit	100
Hours Limit	160
Duration Limit	20 days
Self-Managed Partner	Disabled
AI Productivity Settings	
Lines of Code	20%
Testing	15%
Debugging	15%
System Design	5%
Documentation	10%

Critical User Stories

3 stories | 16 story points | 36% of total scope

ID	Title	Category	User Story	Points
story-005	Real-Time Scope Metrics Panel	Analytics	As a client or admin, I want to see live scope metrics like total story points, estimated dev days, and projected cost as I change the scope matrix.	8
story-001	Client-Specific Story Access	Access Control	As a logged-in client, I can only view user stories that have been explicitly shared with me by the admin or PM.	5
story-002	Backlog Story Viewer	Story Management	As a client, I can see a list of user stories with expandable detail (not editable), including story points and business value.	3

Important User Stories

5 stories | 26 story points | 58% of total scope

ID	Title	Category	User Story	Points
story-003	Scope Matrix Drag-and-Drop	UI Interaction	As a client, I can drag and drop features into the scope matrix. If effort is mismatched for a column, the system prompts me with effort adjustment...	8
story-004	Business Value Mismatch Explanation	UX Enhancement	When I move a low-value item into a high-priority scope bucket (or vice versa), the system explains the meaning of this mismatch with distinct cont...	5
story-007	Save and Load Scenarios	Data Management	As a client, I can save scope matrix configurations and reload them later for comparison or revision.	5
story-008	AI Productivity Factor Adjustment	Planning	As a product manager, I can adjust the estimated productivity gains from AI-assisted development in different categories to refine time and cost pr...	5
story-006	Scenario Presets and Reset	Configuration	As a user, I can load recommended configurations such as MVP or Legacy Parity and reset my scope decisions to predefined presets.	3

Nice to Have User Stories

1 stories | 3 story points | 7% of total scope

ID	Title	Category	User Story	Points
story-009	Scope Limiters	Planning	As a client, I can set maximum limits for story points, development hours, and project duration to visualize scope constraints clearly.	3