

Scope Scenario: Current Scenario

Project Estimation Report

Generated on 3/26/2025

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	27
Total Story Points	126
Estimated Hours	463
Estimated Duration	95.3 days
Estimated Cost	\$122,980.63

Business Value Distribution

Business Value	Count	Story Points	Percentage
Critical	18 stories	126 points	100%
Important	0 stories	0 points	0%
Nice to Have	0 stories	0 points	0%

Critical

Important

0%

Nice to Have

0%

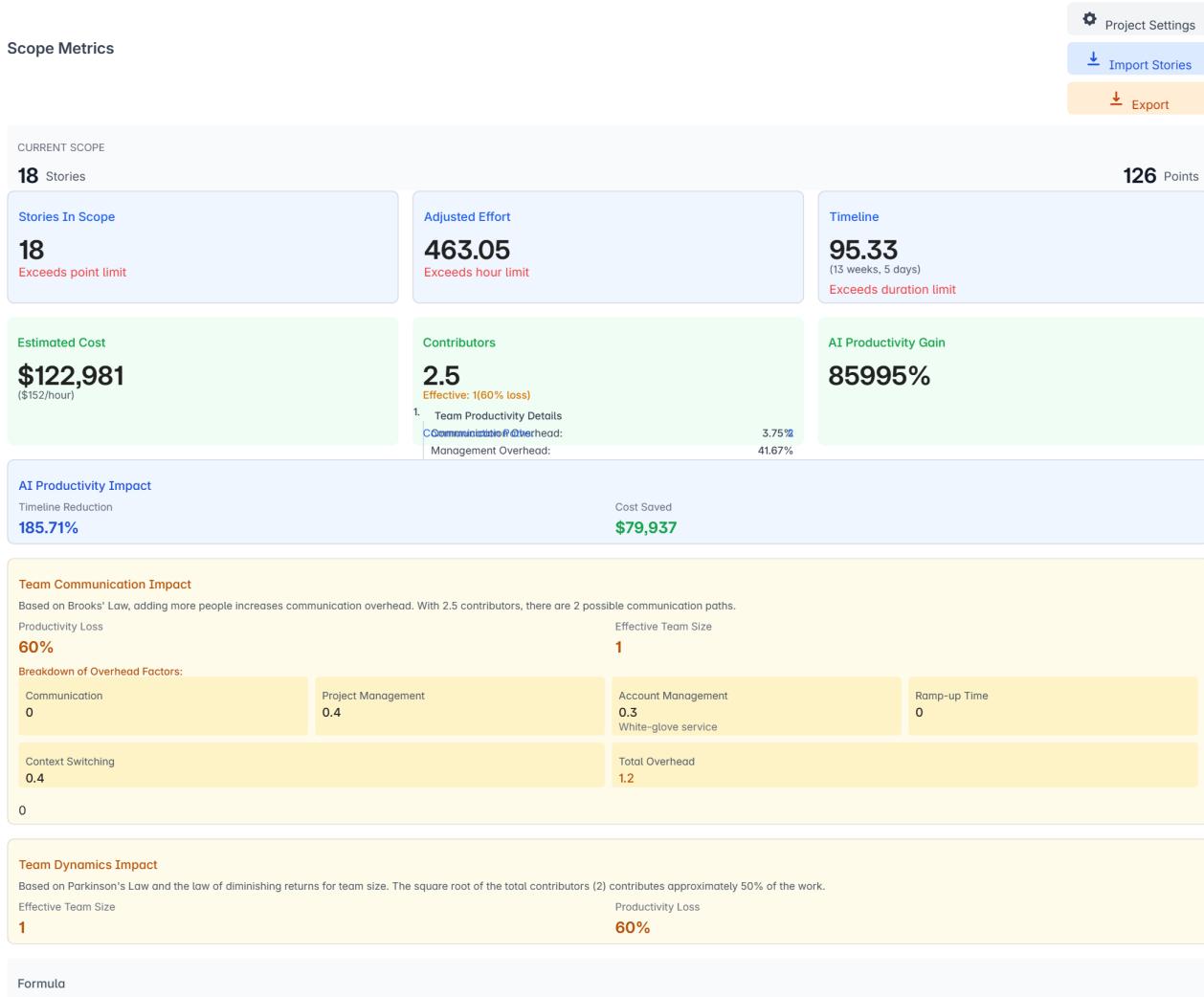
Scope Matrix

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			
	Critical	Important	
low (1-3)			
high / low	<div><p>Client-Specific Story Access</p><p>Critical 5 points Access Control</p><p>high/low</p><p>Formula: high/low = 5 points</p></div> <div><p>Backlog Story Viewer</p><p>Critical 3 points Story Management</p><p>high/low</p><p>Formula: high/low = 3 points</p></div> <div><p>Scope Matrix Drag-and-Drop (Effort Validated)</p><p>Critical 8 points UI Interaction</p><p>high/low</p><p>Formula: high/low = 8 points</p></div> <div><p>Business Value Mismatch Explanation</p><p>Critical 5 points UX Enhancement</p><p>high/low</p><p>Formula: high/low = 5 points</p></div> <div><p>Real-Time Scope Metrics Panel</p><p>Critical 8 points Analytics</p><p>high/low</p><p>Formula: high/low = 8 points</p></div> <div><p>Save and Load Scenarios</p><p>Critical 5 points Data Management</p><p>high/low</p><p>Formula: high/low = 5 points</p></div> <div><p>Adjustable Cost Settings</p><p>Critical 5 points Cost Planning</p><p>high/low</p><p>Formula: high/low = 5 points</p></div> <div><p>Drag-and-Drop Interaction Hints</p><p>Critical 3 points UX Enhancement</p><p>high/low</p><p>Formula: high/low = 3 points</p></div> <div><p>Historical Comparison Dashboard</p><p>Critical 13 points Cost Planning</p><p>high/low</p><p>Formula: high/low = 13 points</p></div> <div><p>Team Composition Impact Analysis</p><p>Critical 8 points Team Planning</p><p>high/low</p><p>Formula: high/low = 8 points</p></div> <div><p>AI Factor Simulation</p><p>Critical 13 points AI Integration</p><p>high/low</p><p>Formula: high/low = 13 points</p></div> <div><p>Remove Stories from Matrix</p><p>Critical 3 points UX Enhancement</p><p>high/low</p><p>Formula: high/low = 3 points</p></div> <div><p>Multi-Project Resource Allocation</p><p>Critical 13 points</p><p>high/low</p><p>Formula: high/low = 13 points</p></div>	medium / low	low / low
Scope Scenario: Current Scenario Generated: 3/26/2025			
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Project Metrics Details

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



Project Settings

Team Configuration	
Contributor Cost (Daily)	\$516.00
Contributor Count	2.5
Hours Per Day	8.5
Contributor Allocation	80%
Scope Limiters	

Points Limit	100
Hours Limit	160
Duration Limit	20 days
Self-Managed Partner	Disabled
AI Productivity Settings	
Lines of Code	52%
Testing	40%
Debugging	68%
System Design	5%
Documentation	93%

AI Productivity Gains

The AI productivity gains calculation is based on extensive research on how AI tools impact developer productivity. Studies originally from 2023 showed significant improvements, but our 2025 data reveals productivity gains have approximately doubled since then:

Development Activity	Productivity Gain	Research Source
Code Generation	100%	GitHub Copilot study (2023, doubled for 2025)
Testing	80%	Microsoft Developer Velocity Index (2023, doubled for 2025)
Debugging	100%	Meta AI Research (2023, doubled for 2025)
System Design	10%	Google DevEx Survey (2023, doubled for 2025)
Documentation	100%	Stack Overflow Developer Survey (2023, doubled for 2025)
Weighted Average	65%	Applied to effort calculations (capped at 65%)
Maximum Cap	65%	Increased from previous 40% cap based on 2025 data

BACKLOG

The backlog contains all user stories organized by business value. Stories that appear in the scope matrix are highlighted.

Critical User Stories

These stories represent the core functionality required for a minimum viable product.

Number of Stories: 18

Total Story Points: 126

Percentage of Project: 100%

ID	Title	Category	User Story	Points
j57b	Client-Specific Story Access	Access Control	As a logged-in client, I can only view user stories that have been ...	5
j572	Backlog Story Viewer	Story Management	As a client, I can see a list of user stories with expandable detai...	3
j576	Scope Matrix Drag-and-Drop ...	UI Interaction	As a client, I can drag and drop features into the scope matrix. If...	8
j574	Business Value Mismatch Exp...	UX Enhancement	When I move a low-value item into a high-priority scope bucket (or ...	5
j573	Real-Time Scope Metrics Panel	Analytics	As a client or admin, I want to see live scope metrics like total s...	8
j571	Save and Load Scenarios	Data Management	As a client, I can save scope matrix configurations and reload them...	5
j57e	Adjustable Cost Settings	Cost Planning	As a user, I can adjust developer hourly rate and team size to see ...	5
j579	Drag-and-Drop Interaction H...	UX Enhancement	As a client, I receive immediate visual or textual feedback when at...	3
j570	Historical Comparison Dashb...	Cost Planning	As a client or PM, I can view how current estimates compare to hist...	13
j574	Team Composition Impact Ana...	Team Planning	As a PM, I can adjust the senior/mid/junior ratio of the team and s...	8
j57d	AI Factor Simulation	AI Integration	As a client, I can see simulated impacts of enabling/disabling vari...	13
j576	Remove Stories from Matrix	UX Enhancement	As a product manager, I want to be able to remove stories from the ...	3
j572	Multi-Project Resource Allo...	Resource Management	As a PM managing multiple projects, I can see how developer allocat...	13
j57a	Risk Factor Adjustment	Risk	As a PM, I can add risk factors to specific stories or the entire	8

ID	Title	Category	User Story	Points
		Management	p...	
j57a	Story Card Ranking	UX Enhancement	As a product manager, I want to rank story cards within a matrix ce...	5
j57a	Scenario Saving Enhancement	Data Management	As a product manager, I want to save my scenario configurations inc...	5
j579	Holiday Calendar Integration	Schedule Planning	As a project manager, I want to see a timeline visualization with h...	8
j57e	Weighted Scoring for Value ...	Decision Support	As a PM, I can apply a weighted scoring formula to stories (e.g., R...	8

Important User Stories

These features add significant value but could potentially be deferred if necessary.

Number of Stories: 8

Total Story Points: 0

Percentage of Project: 0%

ID	Title	Category	User Story	Points
j57d	Scenario Presets and Reset	Configuration	As a user, I can load recommended configurations such as MVP or Leg...	3
j578	Role-Based Permissions and ...	Access Control	As a system admin, I can manage user roles and restrict which parts...	5
j57c	Export Scenario to PDF or S...	Export & Share	As a client or PM, I can export the current scope matrix and metric...	5
j576	AI-Assisted Story Creation	Productivity Enhancement	As a PM, I can use AI to help draft new user stories based on proj...	8
j57d	Workday Calendar Customization	Schedule Planning	As a PM, I can customize working days calendar to account for holid...	5
j57a	Drag and Drop Visual Feedback	UX Enhancement	As a user, I want clear visual feedback during drag and drop operat...	3
j572	Contributor Detail Management	Resource Management	As a project manager, I want to specify details for each contributo...	5
j576	Confidence Range for Effort...	Risk Management	As a PM, I can label stories with a confidence level that affects h...	5

Nice to Have User Stories

These features are good to have but could be moved to future releases.

Number of Stories: 1

Total Story Points: 0

Percentage of Project: 0%

ID	Title	Category	User Story	Points
j578	Terminology Update	UX Enhancement	As a user, I want the terminology to use 'contributor' instead of '...'	1