

Website Redesign

Project Cost & Risk Analysis Report

Project Name: Website Redesign

Team Size: 3

Risk Level: High

Total Tasks: 4

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Executive Summary

Metric	Value
Base Cost	\$23,400.00
Total Estimated Cost	\$37,440.00
Cost per Team Member	\$12,480.00
Realistic Timeline	25.6 days
Sequential Timeline	25.6 days

Cost Analysis

The project has a base cost of **\$23,400.00**. With a high risk level, we apply a risk overhead of **\$14,040.00**, bringing the total estimated cost to **\$37,440.00**. This translates to approximately **\$12,480.00** per team member.

Timeline Analysis

Realistic Estimate: 25.6 days

This accounts for task dependencies, resource constraints, and risk factors.

Optimistic (Critical Path): 16.0 days

Best-case scenario with unlimited resources and no delays.

Sequential (Worst Case): 25.6 days

If all tasks must run one after another.

Critical Path Analysis

The critical path contains **4** tasks with a total duration of **16.0 days** (adjusted: **25.6 days**). These tasks directly impact the project timeline and should be monitored closely.

Critical Path Tasks:

- Requirements Analysis
- Mockup Design
- Frontend Development
- Testing and QA

Task Breakdown

Task Name	Days	\$/Day	Base Cost	Adjusted Cost
Requirements Analysis	3.0	\$1,000	\$3,000.00	\$4,800.00
Mockup Design	3.0	\$1,300	\$3,900.00	\$6,240.00
Frontend Development	5.0	\$2,300	\$11,500.00	\$18,400.00
Testing and QA	5.0	\$1,000	\$5,000.00	\$8,000.00

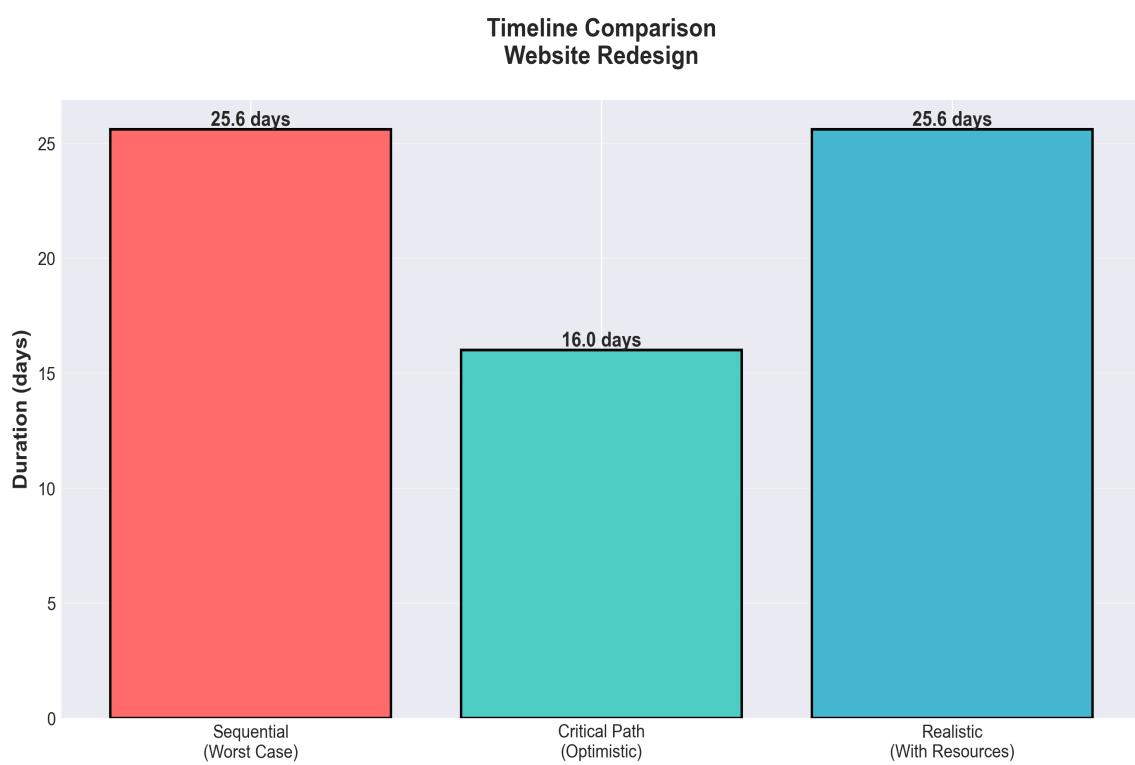
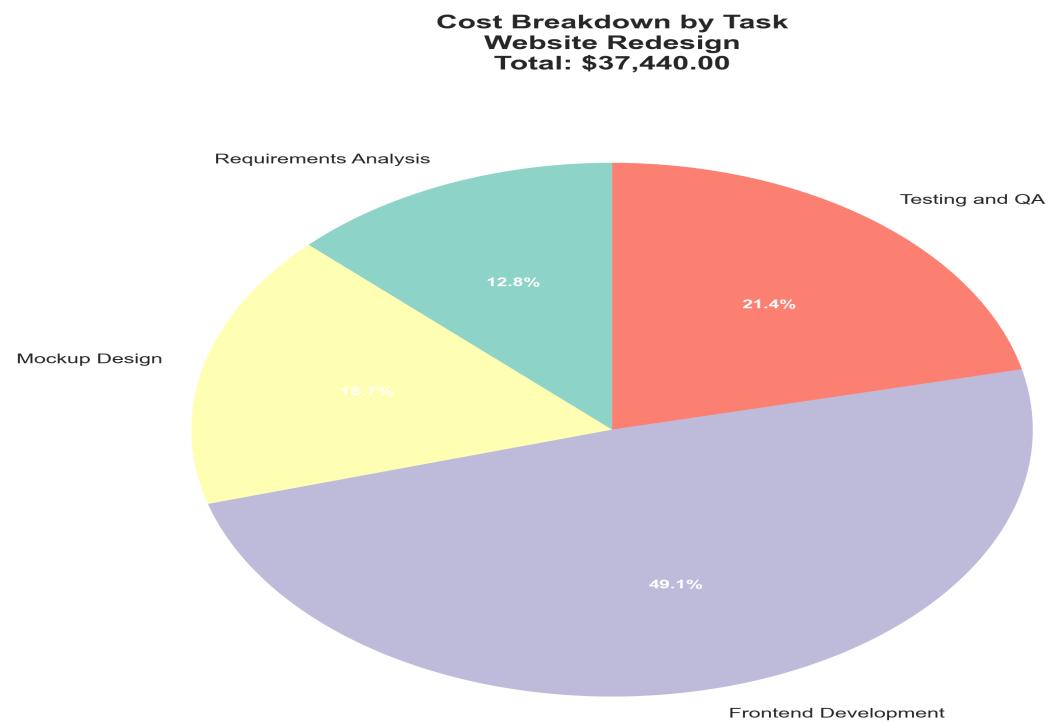
Monte Carlo Risk Simulation

Scenario	Cost	Timeline	Probability
Best Case (P10)	\$28,353	20.7 days	10% or better
Expected (Mean)	\$34,281	26.3 days	Most likely
P75	\$37,510	29.3 days	25% worse
Worst Case (P90)	\$40,453	32.1 days	10% or worse

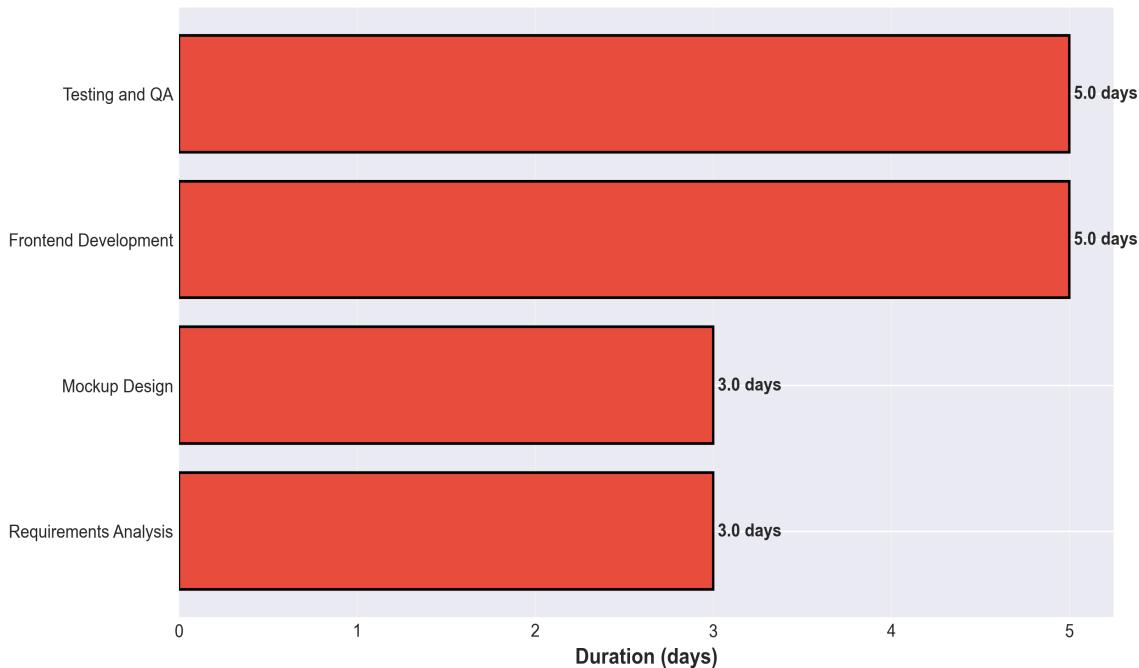
Primary Risk Drivers:

- High inherent project risk level
- Long critical path with many dependencies

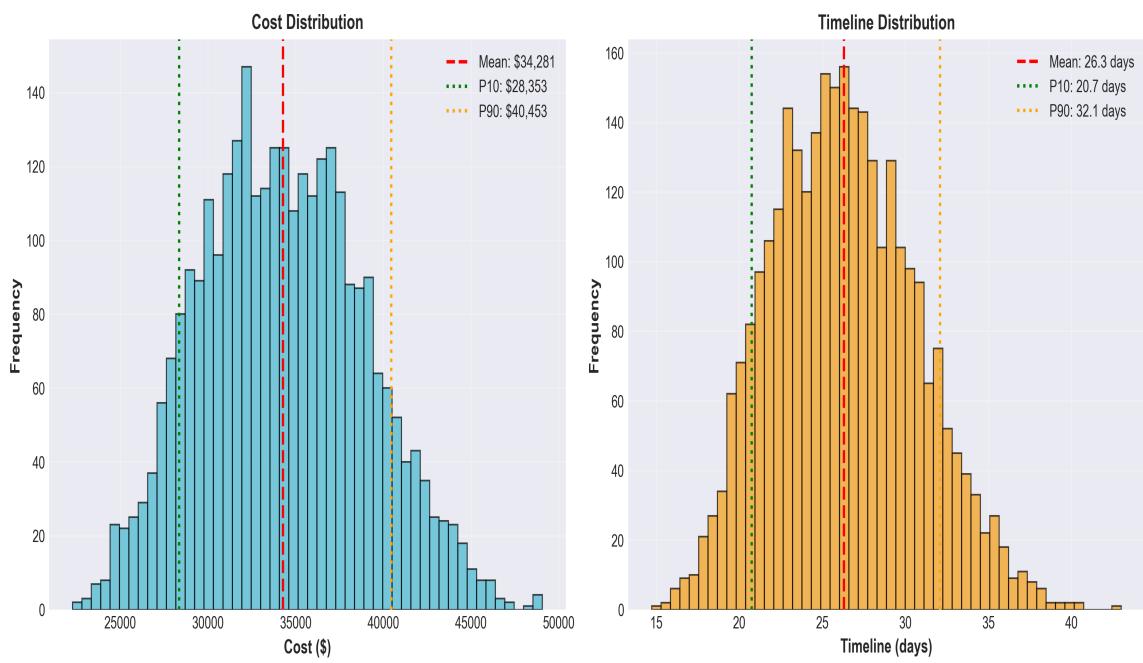
Visualizations



Critical Path Tasks - Website Redesign
Total Duration: 16.0 days



Monte Carlo Risk Analysis - Website Redesign
3,000 Simulations



Scenario Comparison - Website Redesign

