

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	\$34,800.00
Total Estimated Cost	\$55,680.00
Cost per Team Member	\$18,560.00
Realistic Timeline	33.6 days
Sequential Timeline	33.6 days

Cost Analysis

The project has a base cost of **\$34,800.00**. With a high risk level, we apply a risk overhead of **\$20,880.00**, bringing the total estimated cost to **\$55,680.00**. This translates to approximately **\$18,560.00** per team member.

Timeline Analysis

Realistic Estimate: 33.6 days

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

Optimistic (Critical Path): 21.0 days

Best-case scenario with unlimited resources and no delays.

Sequential (Worst Case): 33.6 days

If all tasks must run one after another.

Critical Path Analysis

The critical path contains **4** tasks with a total duration of **21.0 days** (adjusted: **33.6 days**). These tasks directly impact the project timeline and should be monitored closely.

Critical Path Tasks:

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

Task Breakdown

Task Name	Days	\$/Day	Base Cost	Adjusted Cost
Requirements Analysis	5.0	\$1,300	\$6,500.00	\$10,400.00
Mockup Design	4.0	\$1,250	\$5,000.00	\$8,000.00
Frontend Development	10.0	\$2,050	\$20,500.00	\$32,800.00
Test and QA	2.0	\$1,400	\$2,800.00	\$4,480.00

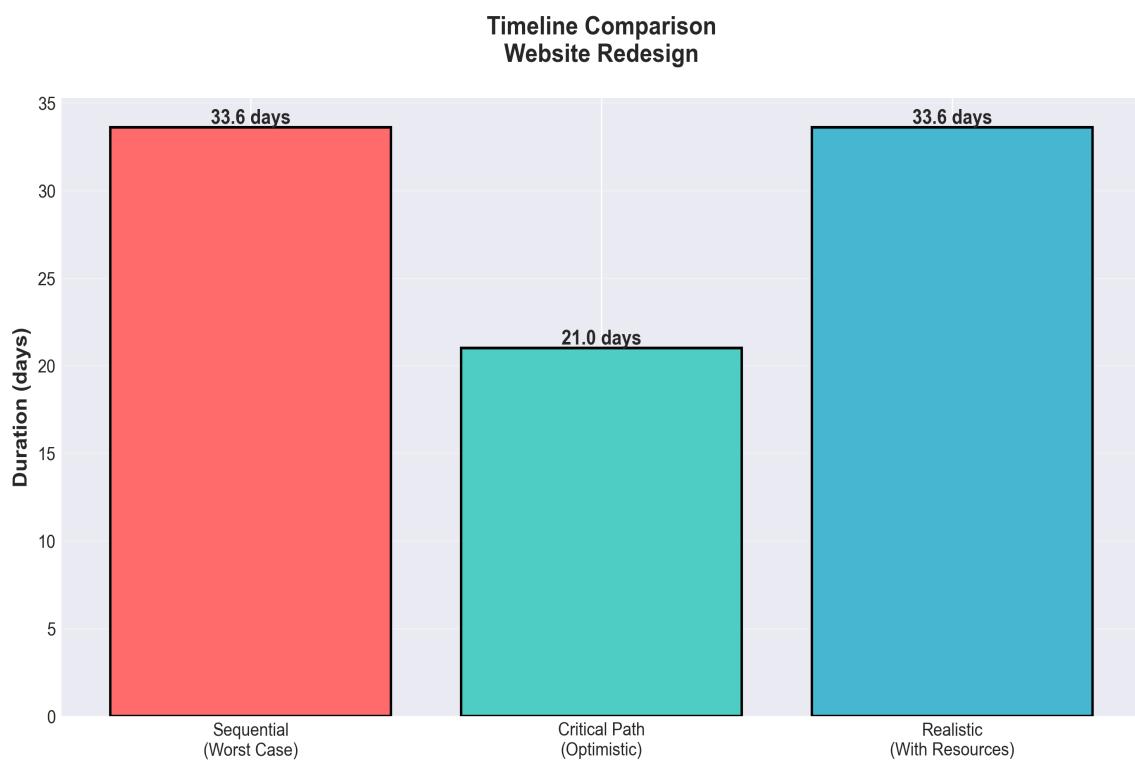
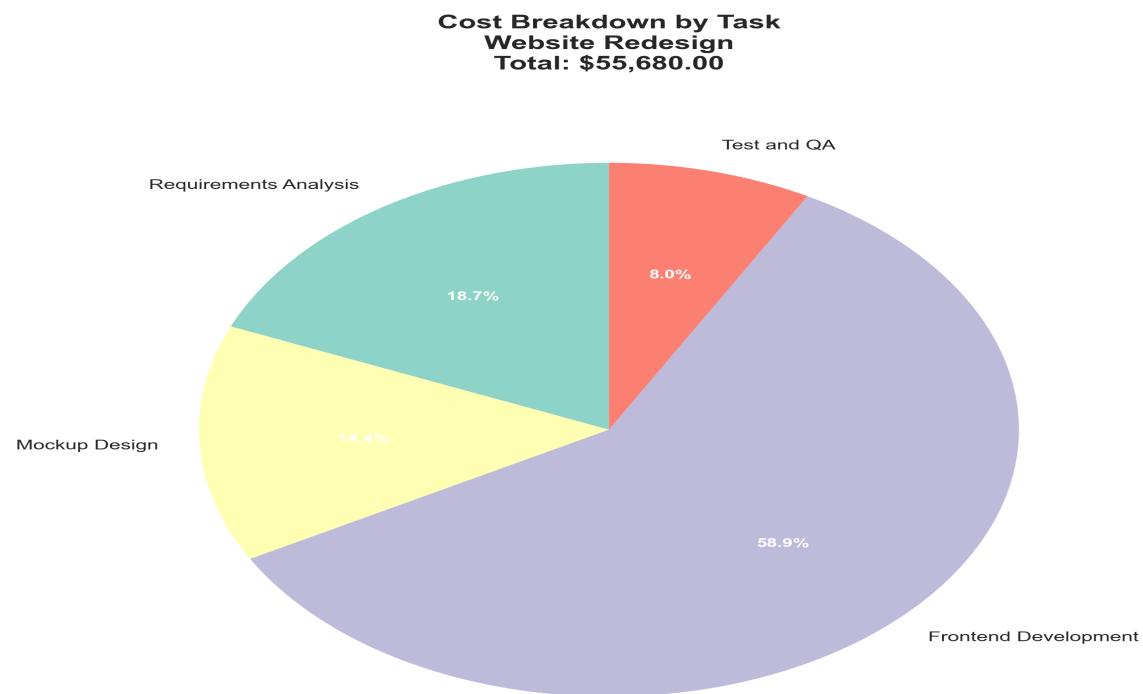
Monte Carlo Risk Simulation

Scenario	Cost	Timeline	Probability
Best Case (P10)	\$41,512	26.9 days	10% or better
Expected (Mean)	\$50,705	34.2 days	Most likely
P75	\$55,927	38.2 days	25% worse
Worst Case (P90)	\$60,390	42.5 days	10% or worse

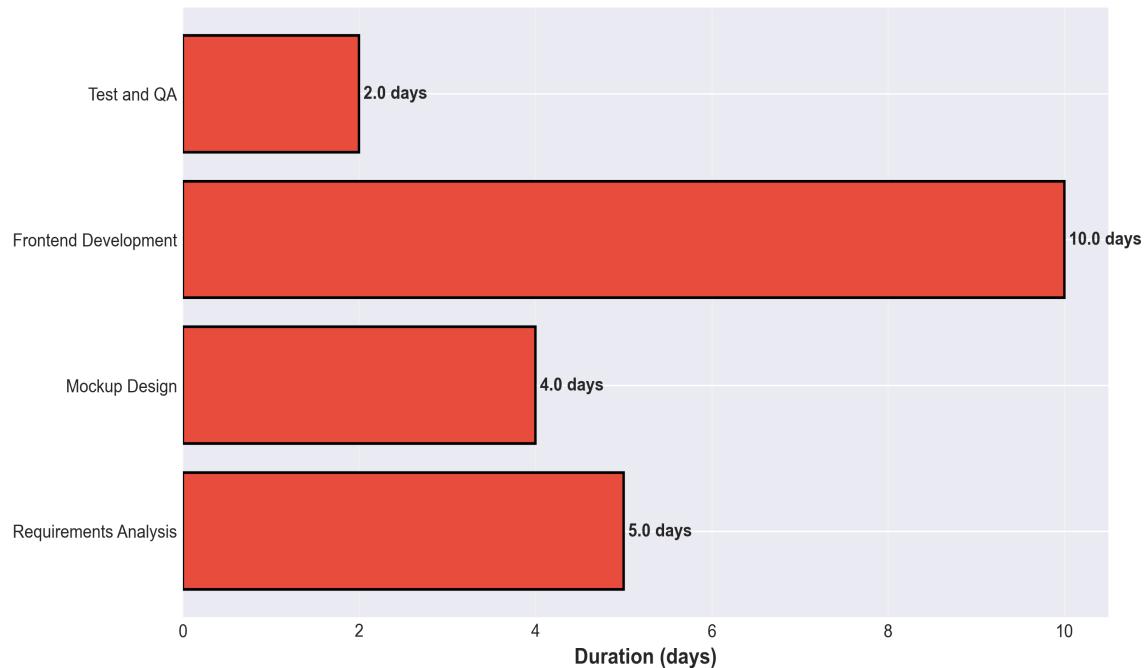
Primary Risk Drivers:

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

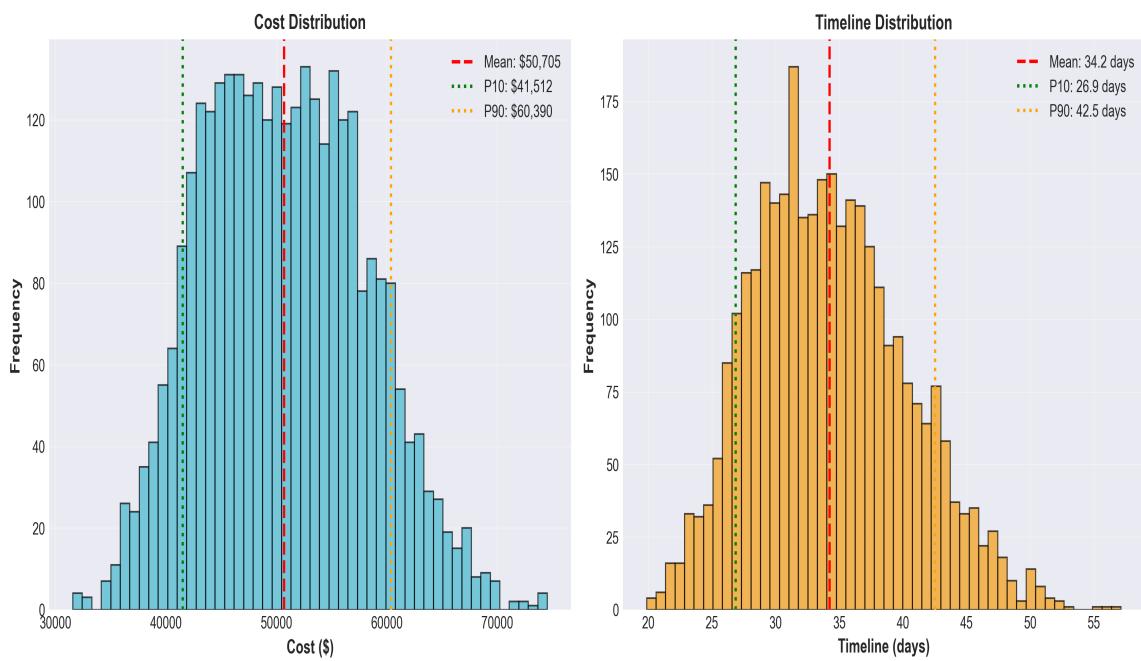
Visualizations



Critical Path Tasks - Website Redesign
Total Duration: 21.0 days



Monte Carlo Risk Analysis - Website Redesign
3,200 Simulations



Scenario Comparison - Website Redesign

