

Website Redesign

Project Cost & Risk Analysis Report

Project Name: Website Redesign

Team Size: 3

Risk Level: Medium

Total Tasks: 4

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Executive Summary

Metric	Value
Base Cost	\$26,700.00
Total Estimated Cost	\$34,710.00
Cost per Team Member	\$11,570.00
Realistic Timeline	22.1 days
Sequential Timeline	22.1 days

Cost Analysis

The project has a base cost of **\$26,700.00**. With a medium risk level, we apply a risk overhead of **\$8,010.00**, bringing the total estimated cost to **\$34,710.00**. This translates to approximately **\$11,570.00** per team member.

Timeline Analysis

Realistic Estimate: 22.1 days
This accounts for task dependencies, resource constraints, and risk factors.

Optimistic (Critical Path): 17.0 days
Best-case scenario with unlimited resources and no delays.

Sequential (Worst Case): 22.1 days
If all tasks must run one after another.

Critical Path Analysis

The critical path contains **4** tasks with a total duration of **17.0 days** (adjusted: **22.1 days**). These tasks directly impact the project timeline and should be monitored closely.

Critical Path Tasks:

- Requirements Ananalysis
- Mockups Design
- Frontend Development
- Testing and A

Task Breakdown

Task Name	Days	\$/Day	Base Cost	Adjusted Cost
Requirements Ananalysis	5.0	\$1,000	\$5,000.00	\$6,500.00
Mockups Design	3.0	\$1,300	\$3,900.00	\$5,070.00
Frontend Development	7.0	\$2,000	\$14,000.00	\$18,200.00
Testing and A	2.0	\$1,900	\$3,800.00	\$4,940.00

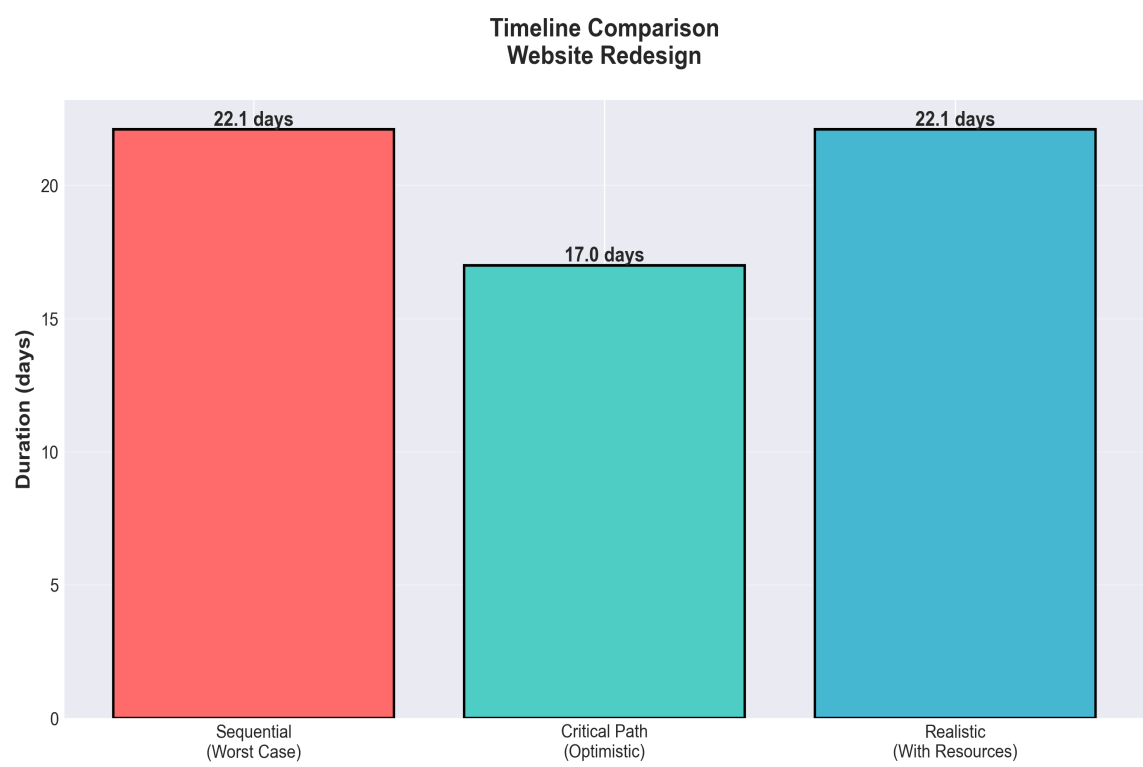
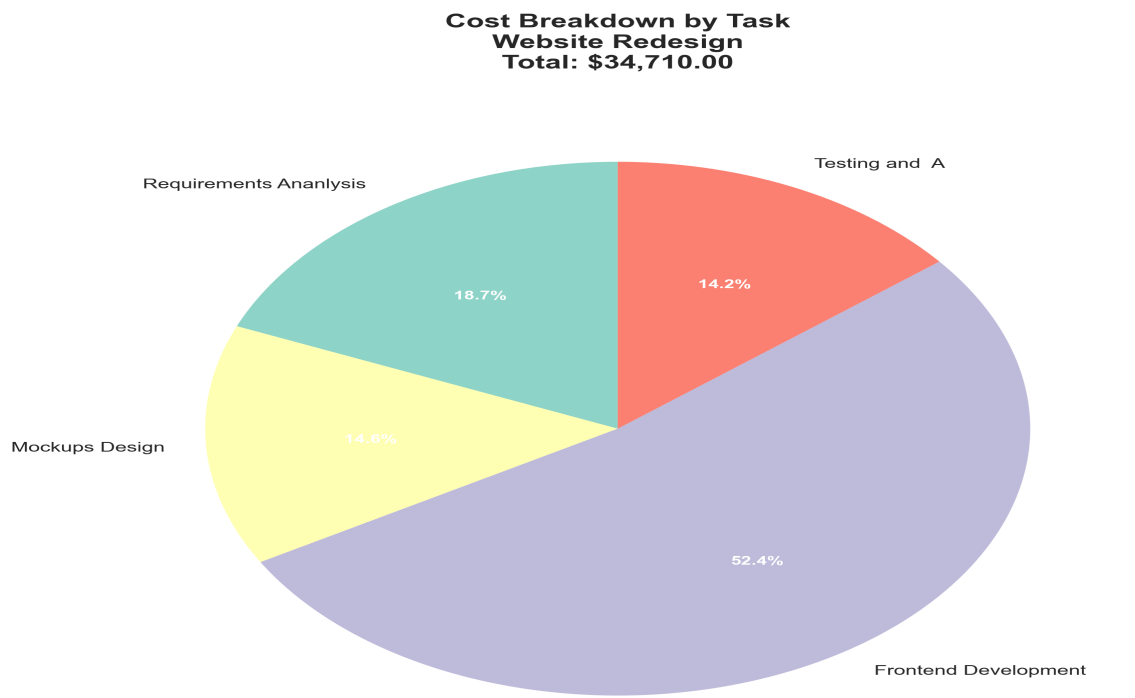
Monte Carlo Risk Simulation

Scenario	Cost	Timeline	Probability
Best Case (P10)	\$28,493	18.6 days	10% or better
Expected (Mean)	\$33,048	23.0 days	Most likely
P75	\$35,526	25.3 days	25% worse
Worst Case (P90)	\$37,822	27.9 days	10% or worse

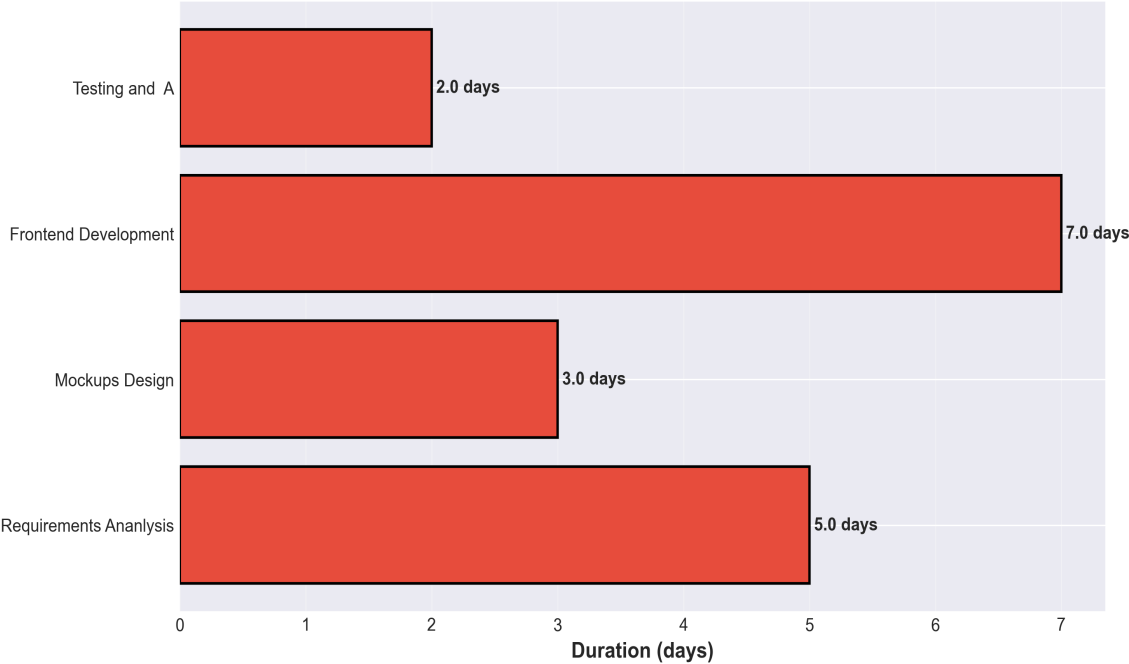
Primary Risk Drivers:

- Long critical path with many dependencies

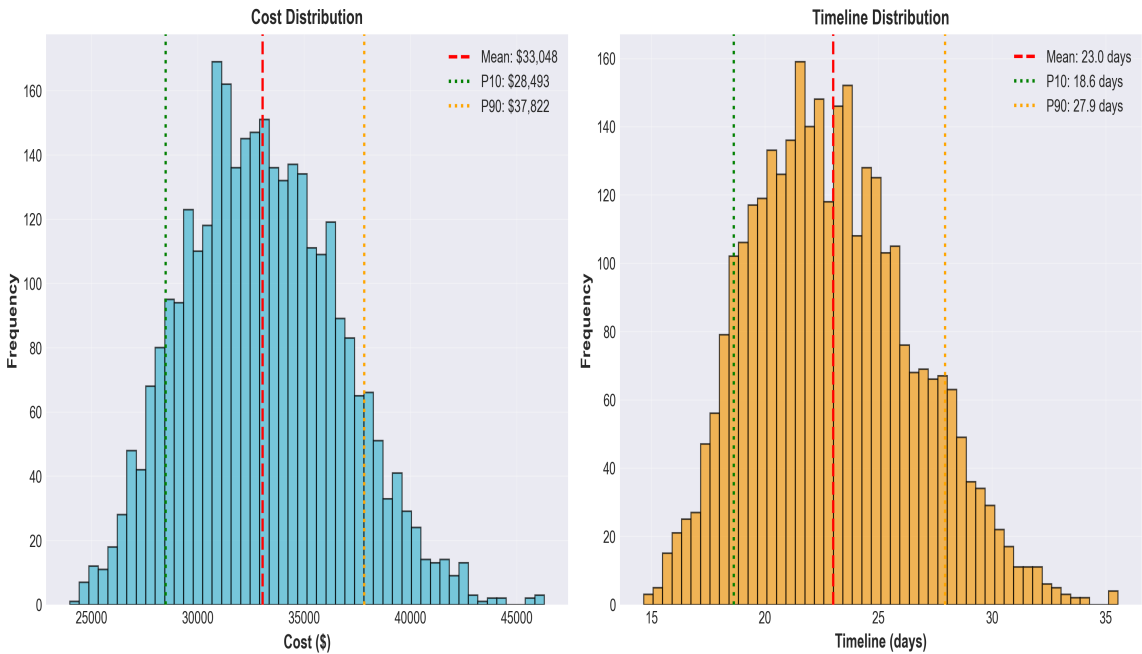
Visualizations



Critical Path Tasks - Website Redesign
Total Duration: 17.0 days



Monte Carlo Risk Analysis - Website Redesign
3,200 Simulations



Scenario Comparison - Website Redesign

