



Swerve

Earned Value Analysis – Project: digitalCOI

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Background Summary

Problem & Opportunity

70% of all commercial property tenants are not compliant with their insurance requirements. Commercial tenants must annually produce a certificate of insurance (COI) providing proof that their insurance policy meets the insurance conditions outlined in their lease agreement. Due to manual and inefficient COI tracking, landlords cannot enforce compliance. The case area is to create a compliance tracking system that takes an input of certificates of insurance and landlord lease agreements, and to create a brokerage system that enables more efficient insurance policy issuance and fulfillment. The goal is to automate compliance tracking, and portions of the follow up to increase compliance. The organization is a start-up, the product that that start-up will produce is called digitalCOI.

MOV Summary

This project will be considered successful if the system can process a certificate of insurance and determine compliance in under 3 minutes in a live scenario.

This metric should be realized within the first 6 months of operations after initial deployment. This time is required to test and iterate with a partner client. The test partners, Community Trust, will ensure that we have adequate feedback required to fulfil this timeframe.

Earned Value Analysis

	Planned Value	Actual Cost	Percentage Complete	Earned Value	Cost Variance	Schedule Variance	Cost Performance Index	Schedule Performance Index
Phase 1 Test Planning								
Develop Unit Test Plan	\$ 500	\$ 500	100%	\$ 500	\$ -	\$ -	1.00	1.00
Develop Integration test plan	\$ 600	\$ 600	100%	\$ 600	\$ -	\$ -	1.00	1.00
Develop Acceptance test plan	\$ 550	\$ 550	100%	\$ 550	\$ -	\$ -	1.00	1.00
Payment 1:	\$ 1,650	\$ 1,650		\$ 1,650	\$ -	\$ -	1.00	1.00
Phase 2 Unit Testing								
Code Walkthrough with team	\$ 600	\$ 700	100%	\$ 600	\$ (100)	\$ -	0.86	1.00
Test software units	\$ 800	\$ 1,200	100%	\$ 800	\$ (400)	\$ -	0.67	1.00
Identify Programs that do not meet specifications	\$ 500	\$ 500	100%	\$ 500	\$ -	\$ -	1.00	1.00
Modify Code	\$ 1,200	\$ 1,300	100%	\$ 1,200	\$ (100)	\$ -	0.92	1.00
Re-test units	\$ 300	\$ 400	100%	\$ 300	\$ (100)	\$ -	0.75	1.00
Verify Code	\$ 200	\$ 200	100%	\$ 200	\$ -	\$ -	1.00	1.00
Payment 2:	\$ 3,600	\$ 4,300		\$ 3,600	\$ (700)	\$ -	0.84	1.00
Phase 3 Integration Testing								
Test integration of all modules	\$ 600	\$ 600	100%	\$ 600	\$ -	\$ -	1.00	1.00
Identify components that do not meet specification	\$ 300	\$ 500	75%	\$ 225	\$ (200)	\$ (75)	0.45	0.75
Modify Code	\$ 1,400	\$ 1,400	50%	\$ 700	\$ -	\$ (700)	0.50	0.50
Re-test integration of modules	\$ 400	\$ 400	75%	\$ 300	\$ -	\$ (100)	0.75	0.75
Verify Components meet standards	\$ 200	\$ 200	80%	\$ 160	\$ -	\$ (40)	0.80	0.80
Payment 3:	\$ 2,900	\$ 3,100		\$ 1,985	\$ (200)	\$ (915)	0.64	0.68
Phase 4 Acceptance Testing*								
Business Review with Client	\$ 400		0%			\$ (400)		0.00
Client Test System	\$ 800		0%			\$ (800)		0.00
Identify Units and Components that do not meet spec	\$ 550		0%			\$ (550)		0.00
Modify Code	\$ 800		0%			\$ (800)		0.00
Retest units and components	\$ 700		0%			\$ (700)		0.00
Verify that system meets standards	\$ 600		0%			\$ (600)		0.00
Payment 4:	\$ 3,850					\$ (3,850)		0.00
Full Project	\$ 12,000	\$ 9,050		\$ 7,235	\$ (900)	\$ (4,765)	0.80	0.60
Estimate At Completion Typical	\$ 15,010							
Estimate At Completion Atypical	\$ 13,815							

*The schedule performance index is calculated under the assumption that the project is to have finished phase four at the time of this report

Based on the estimate at completions above, it is likely that the testing will cost more than is in the \$12,000 budget.