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UNIT STANDARD TITLE				SAQA US ID
Demonstrate an understanding of estimating a unit of work and the implications of late				114059
Date	Learner Name	Learner Signature	Facilitator Name	Assessor Signature

SPECIFIC OUTCOME 1

Demonstrate the ability to interpret given cost/benefit analysis documentation.

ASSESSMENT CRITERION 1

The demonstration identifies different parts of a cost/benefit analysis.

ASSESSMENT CRITERION RANGE

Costs, benefits. Fill in the ***114059 Costs and Benefits Analysis*** with information for your current practical project.

1.1. Learn and understand the study material.

1.2. Go through ***114059 Evaluation Form*** which indicates how you will be assessed.

1.3.

a) Attach the completed cost Data Entry Page for the project's Human and other resources, that is the laptops, developers or technicians or database administrators.

Cost Benefit Analysis Template

Cost Data Entry Page

PROJECT NAME : JumpCO - EmSys

		Fiscal Year									
Element	Element Description	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Dell Latitude Core i7 * 4											
Dell 24' monitor * 4	Hardware Requirements	R9 200,00	R0,00	R0,00							
Project Planning											
Analysis											
Implementation	SDLC - Project Development										
Deployment		R 86 400	R 172 800	R 259 200							
Azure DevOps											
Azure Container Registry											
Azure Comso Database	Cloud Infrastruture - Azure Hosting Platform										
Azure Artifacts		R 4 980	R 4 980	R 4 980							
Support - StandBy	Post-Deployment Support										
Maintainance		R 6 360	R 4 560	R 2 560							
Program Total Costs By Year		R 97 740	R 182 340	R 266 740	R 0	R 0	R 0	R 0	R 0	R 0	R 0

Program Grand Total Cost R 546 820

b) Attach the completed cost Benefits Data Entry Page for the project's clients. Give an example of at least 4 (four) clients.

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Benefit Data Entry Page

PROJECT NAME : JumpCO - EmSys

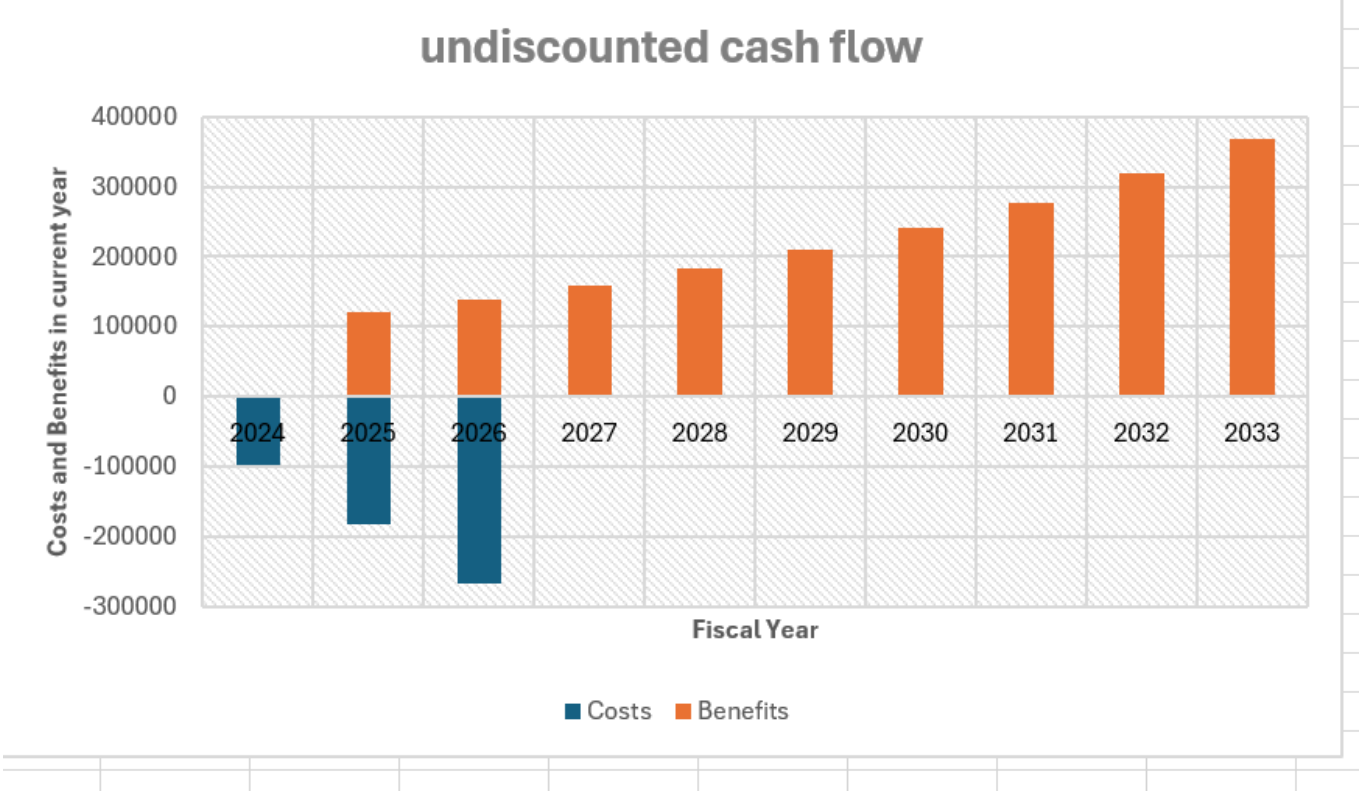
Benefit Sources	Fiscal Year 2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Monthly Payments from clients for the software - Client 1		R 30 000	R 34 500	R 39 675	R 45 626	R 52 470	R 60 341	R 69 392	R 79 801	R 91 771
Monthly Payments from clients for the software - Client 2		R 30 000	R 34 500	R 39 675	R 45 626	R 52 470	R 60 341	R 69 392	R 79 801	R 91 771
Monthly Payments from clients for the software - Client 3		R 30 000	R 34 500	R 39 675	R 45 626	R 52 470	R 60 341	R 69 392	R 79 801	R 91 771
Monthly Payments from clients for the software - Client 4		R 30 000	R 34 500	R 39 675	R 45 626	R 52 470	R 60 341	R 69 392	R 79 801	R 91 771
Total Benefits Per Year	R 0	R 120 000	R 138 000	R 158 700	R 182 505	R 209 881	R 241 363	R 277 567	R 319 202	R 367 083
Confidence Factor	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Benefits Claimed for Analysis	R 0	R 120 000	R 138 000	R 158 700	R 182 505	R 209 881	R 241 363	R 277 567	R 319 202	R 367 083
Program Grand Total Benefit	R 2 014 301									

ASSESSMENT CRITERION 2

The demonstration explains the purpose of the different parts of a cost/benefit analysis. Please note that your costs should be higher than your benefits. Take note of the example below.

1.4.

a) Attach the undiscounted cash flow chart and interpret the results.



b) Attach the Payback Schedule chart and interpret the results. Take note of the example below.

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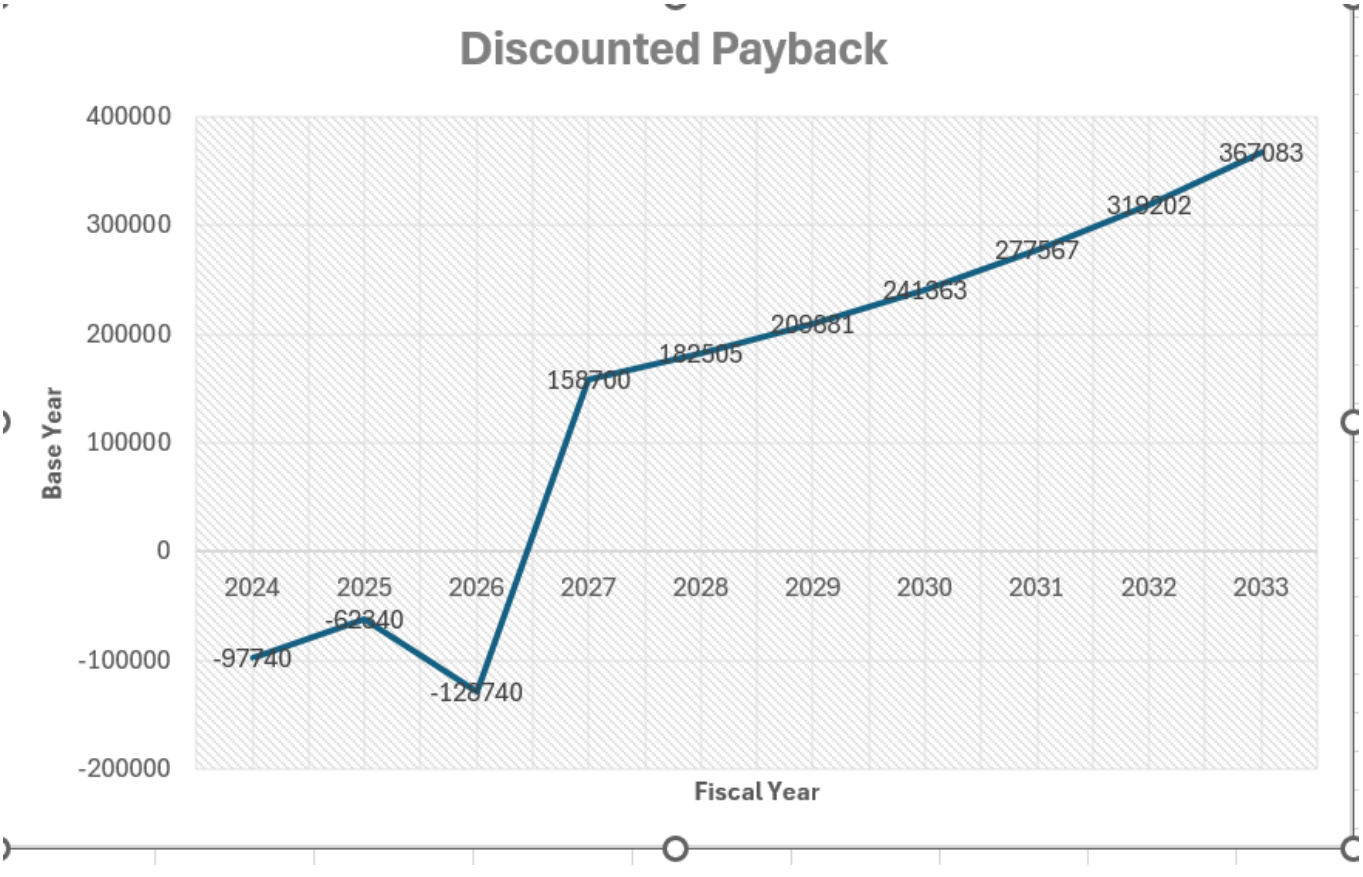

SPECIFIC OUTCOME 2

Prepare a time estimate for an element of work.

ASSESSMENT CRITERION 1 and ASSESSMENT CRITERION 2

The time estimate is based on a breakdown of the component in the logical parts for estimating should include the implementation/testing of interfaces to other components where applicable.

Estimate time for your current project's SDLC components. ("Gantt Chart Software to Draw Simple Gantt Charts | Creately," n.d.) Attach the Gantt chart. Take note of the example below.

SPECIFIC OUTCOME 3

Prepare a cost estimate for an element of work.

OUTCOME RANGE

At least one of: structured programming, object oriented programming.

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ASSESSMENT CRITERION 1 and ASSESSMENT CRITERION 2

The cost estimate is based on a breakdown of the component in the logical parts for estimating. The estimate should include the implementation/testing.

Fill in the ***114059 Costs and Benefits Analysis*** template. Estimate time based on a breakdown of the SDLC component for your current practical project. Include the implementation/testing of interfaces SDLC component.

3.1 Attach the completed cost Data Entry Page with the breakdown of the SDLC components. Take note of the example below.

ASSESSMENT CRITERION 3

The cost estimate demonstrates an understanding that being assisted by other resources or people could escalate the costs.

3.2 Update the ***Costs and Benefits Analysis from 3.1*** *by increasing the resources and costs.*

3.2 Attach the updated Payback Schedule chart and explain how being assisted by other resources or people could escalate the costs. Take note of the example below. The chart is at the negative if additional suppliers are not added and there are more resources.

SPECIFIC OUTCOME 4

Demonstrate an understanding of the effect of late delivery of an element of work.

ASSESSMENT CRITERION 1

The demonstration confirms the understanding that an element delivered is often a subset of a bigger deliverable.

4.1. Attach the critical path matrix and explain how your tasks are dependent to one another. (“Creately - Critical Path Diagram,” n.d.)

ASSESSMENT CRITERION 2

The demonstration explains the effect of late delivery on other related components.

ASSESSMENT CRITERION RANGE

Time, cost

4.2. Attach the critical path diagram for your current practical project and explain the effects of late delivery by showing the critical path. (“Creately - Critical Path Diagram,” n.d.)

a) Attach the completed cost Data Entry Page with the critical path and explain the effects of late delivery for your project.
