Examiners' Report
Lead Examiner Feedback

July 2022

Pearson BTEC Nationals in Computing (31770H)
Unit 3: Planning and Management of Computing Projects

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Grade Boundaries

What is a grade boundary?

A grade boundary is where we set the level of achievement required to obtain a certain grade for the externally assessed unit. We set grade boundaries for each grade, at Distinction, Merit and Pass.

Setting grade boundaries

When we set grade boundaries, we look at the performance of every learner who took the external assessment. When we can see the full picture of performance, our experts are then able to decide where best to place the grade boundaries – this means that they decide what the lowest possible mark is for a particular grade.

When our experts set the grade boundaries, they make sure that learners receive grades which reflect their ability. Awarding grade boundaries is conducted to ensure learners achieve the grade they deserve to achieve, irrespective of variation in the external assessment.

Variations in external assessments

Each external assessment we set asks different questions and may assess different parts of the unit content outlined in the specification. It would be unfair to learners if we set the same grade boundaries for each assessment, because then it would not take accessibility into account.

Grade boundaries for this, and all other papers, are on the website via this link

Awarding BTEC qualifications in 2022

Ofqual has set out their plans for awarding qualifications in 2022 and intend to return to a normal, pre-pandemic, approach to grading standards over by 2023. They have confirmed that 2022 will be a transition year, to reflect that we are in a pandemic recovery period and students' education has been disrupted.

Our guiding principle and approach to awarding BTEC qualification results in 2022 will be to ensure parity in relation to the approach being taken for GCSE and A level learners. BTEC courses have a different structure and design to academic qualifications - BTECs are modular qualifications (with assessments taking place throughout the course) compared to GCSEs and A levels which

are linear (assessed and awarded at the same time at the end of the year), and therefore our approach needs to be different.

In 2022 we will return to the usual method of calculating BTEC qualification results, however adaptations including, U-TAGs and reduced internal assessment, are in place to provide a comprehensive package of support for students.

The basis of our awarding approach to BTECs this year is to ensure it is as fair as possible for all learners. We will use a range of evidence to set grade boundaries for the external units. Part of this evidence will be to closely monitor learner performance in all assessments that contribute to learners' final qualification grade, to ensure parity with A level and GCSEs.

Further information can be found on our website and via our Social Media channels.

Introduction

This is the 8th sitting of this paper and the third time it is being awarded in Summer.

This unit is a task-based exam. It is 120 GLH and is a mandatory unit for all learners studying the diploma and the extended diploma with the BTEC L3 Nationals in Computing.

There are two supervised assessment periods, where the externally assessed unit is available in January and June each year. Part A is a maximum of three hours in a one-week period and Part B is a maximum of two hours in a three-day period. Part A involves developing the Project Initiation Document and Gantt chart. Part B includes the checkpoint and email to the client for the project.

The assessment will always contain four sections. Each section is linked to the scenario, where the details of the brief should be used to respond to each section. Each section is broken down into activities, which will test learners on different areas of the specification. Learners are expected to apply their project management knowledge to the scenario.

Learners are given a scenario with additional information to support with their responses. The scenario instructs learners to look at individual parts/sections of the brief during the assessment to answer each activity.

The set task brief may give learners:
• Information about problems that they need to solve.
• Interpret the scenario and apply the solution using Project Management techniques and theory

All Activities of the examination paper provide differentiation at all attainment levels. The assessment is designed to increase in difficulty, with higher grades/marks being provided to learners who employ the required project management skills, knowledge, and understanding for the assessment.

Introduction to the Overall Performance of the Unit

Overall, the performance of this paper was quite disappointing, but there were many external factors which have contributed to this, such as centre and teaching disruptions. In addition, the set task brief was deemed quite challenging. However, the paper does feature standard questions which have remained consistent throughout all examination sessions. This assessment has fixed and standard activities. In any given session, papers are always the same in terms of structure and design intention.

Many learners have not performed very well in the Summer 2022 session, where they have not managed to access the full range of marks for this paper. Activity 1 has been answered quite poorly, where learners have produced poor quality work, especially the objectives. It is still evident that many learners still clearly do not understand what 'SMART' Objectives are.

With activity 2, the quality of the produced Gannt charts were also quite poor across the board. This is in contrast with previous sessions, where learners had created Gantt charts that were more thorough and logically correct. However, learners used the correct software and produced relatively good charts in many instances.

Activity 3 was also answered poorly during the 2206 series. In this section, students are required to record the lessons learnt during the project management & delivery. In many instances, learners had confused this part as an evaluation activity. Where lessons learnt are mentioned, many learners did not consider transferrable skills from the current projects towards future projects.

Activity 4 performance was not as good as previous sessions. Learners are still unclear on performance management, which was in most cases confused with description, rather than evaluating how they manage the project and process. Learners should, in theory, seek the views of the people affected by the project. This can include project execution based on the project life cycle, the milestones and project objectives. They should evaluate the cycle and its processes, e.g., testing problems encountered and work well. In many cases, this was missing, often generic and lacked a connection to the scenario. Learner would also be expected to add theory from lessons to support their judgments.

Individual Questions

Activity 1

PID & Objectives

Learners need to show a sufficient understanding with this section in order to gain credit. Learner should be completing majority of the Project Initiation Documents from the set task brief/scenario. We would expect this to be done by transferring information from the scenario to the PID. Learners should be attempting the sub-task, such as deliverables, constraints, and stakeholders. It should have relevance to the scenario and not be as generic as what was seen in the current cohort.

The objectives are based on clearly defined project goals and can be broken down into component tasks. This helps determine the learner's success factors to evaluate in activity 4. It is essential to ensure they are 'SMART' objectives. This is a common area for poor performance, where it has been noted learners struggle with this activity series on series.

The objectives can reflect the Project Lifecycle stages, Analysis, Design, Implementation, Testing, and Evaluation/Review, and then add relevant information from the scenario. These need to be specific and time-constrained relevant to the given procedure.

Good response

objectives

SMART objective	Achieved?	Date and Comments
creating the customer support and management system (12 general function points)		The task should be completed in 10 days. teh start date is 01/06/2022 and the end date is (14/06/2022). this task is done by software developer.
creating the customised development, testing and integration system (16 general		The task should be completed in 13 days. teh start date is 17/08/2022 and the end date is (02/09/2022). By junior cloud engineer.
setting up backend for support and development systems (16 complex function points)		The task should be completed in 20 days. teh start date is 20/07/2022 and the end date is (18/08/2022). By senior software developer.
integration with the company's central system (12 complex function points)		The task should be completed in 15 days. teh start date is 29/06/2022 and the end date is (19/07/2022) By senior software developer.
setting up and configuring cloud server (15 complex function points)		The task should be completed in 13 days. teh start date is 23/06/2022 and the end date is (18/07/2022). By cloud engineer
installing and configuring local server (16 general function points)		The task should be completed in 13 days. teh start date is 6/06/2022 and the end date is (22/06/2022). By junior network engineer.

The above response has considered all areas using logical chains of reasoning that show full awareness of the given scenario, they have included timings and completion dates.

(11 Marks awarded)

Risk Management

Good response

Risk Management Strategy

Risk	Probability (*/10)	Impact (*/10)	Severity (*/5)	Contingency Plan
Employees get sick	4	4	3	At the end of the project during testing free employees can catch up on behind work
An employee contracts Covid-19	5	6	4	This would cause a substantial slowdown of the project as employees would need to cease doing work they can't do at home.
Heavy Weather disturbing employee commutes	2	3	2	Unlikely to happen in this season, unlike being sick they can still work on software however.
Current infrastructure not compatible with upgrades	5	5	4	If parts not being replaced aren't compatible with the new ones we might need to spend extra time buying new components or finding alternate solutions

In risk analysis, we are looking for a systematic approach to managing risks and establishing a way of mitigating these risks. Learners should identify at least 2 or 3 sensible risks with an appropriate 3-point scale and then some contingency that deals with the risk rather than subjective.

The above response has tried to apply some matrix, but the risks are generic and could be applied to any project. I noticed the Covid risk, but sick employees would cover that. In the contingency learners have applied some form of plan, but because the risks themselves are generic, the contingency falls short of what would be expected.

(2 Marks awarded)

Poor response

Risk Management Strategy

Risk	Probability	Impact	Severity	Contingency Plan
Too many faults	Low but possible	More time is needed to fix the faults and time runs out	Depends on the amount of time left, but the less time left the more sever	Run over every step for a few minuets to make sure that nothing is wrong
Staff off sick	Possible	Less people to work on the project at once.	More time consumption leads to a big problem	See if any of the workers can work at home or if other people can help
Not enough budgeting	Low	The project either has to stop or the budget has to rise	The company could lose a fortune and may go bankrupt	Make sure that even after calculating the time that there is still money left in the budget

The above example has provided generic risks, but the matrix applied is entirely wrong. It is advisable to use the correct matrix and not one made up. The contingency is okay and plausible.

(2 Marks awarded)

Communication plan

In this section we need to see with whom the project manager is communicating with. The organisation chart above the table should be helpful. We need to see the appropriate frequency and type of communication.

Good response

Communication Plan

Stakeholder(s)	Frequency	Type	Purpose
Mr Elves	Bi-weekly	Video call	Mr Elves and project manager will discuss current developments, issues, and progress with the upgrade.
Software development team	weekly	In-person meeting with all available members	Software development team and project manager will discuss their progress and any issues they are currently encountering.
Network engineering team	weekly	In-person meeting with all available members	Network engineers and project manager will discuss their progress and any issues they are currently encountering.

The above response shows a sensible plan that meets the requirements, and the purpose is reasonable.

(**4 marks awarded**)

Poor response

Stakeholder(s)	Frequency	Type	Purpose
Mr elves	Once per week	email	Progress update Budget expenditure
Stephan Taylor	Every other day	Emails Zoom calls	Progress updates
Israel Shodeinde	Every other day	Emails zoom calls	Progress updates
Mrugagya Mulay	Every other day	Emails, zoom calls	Progress updates

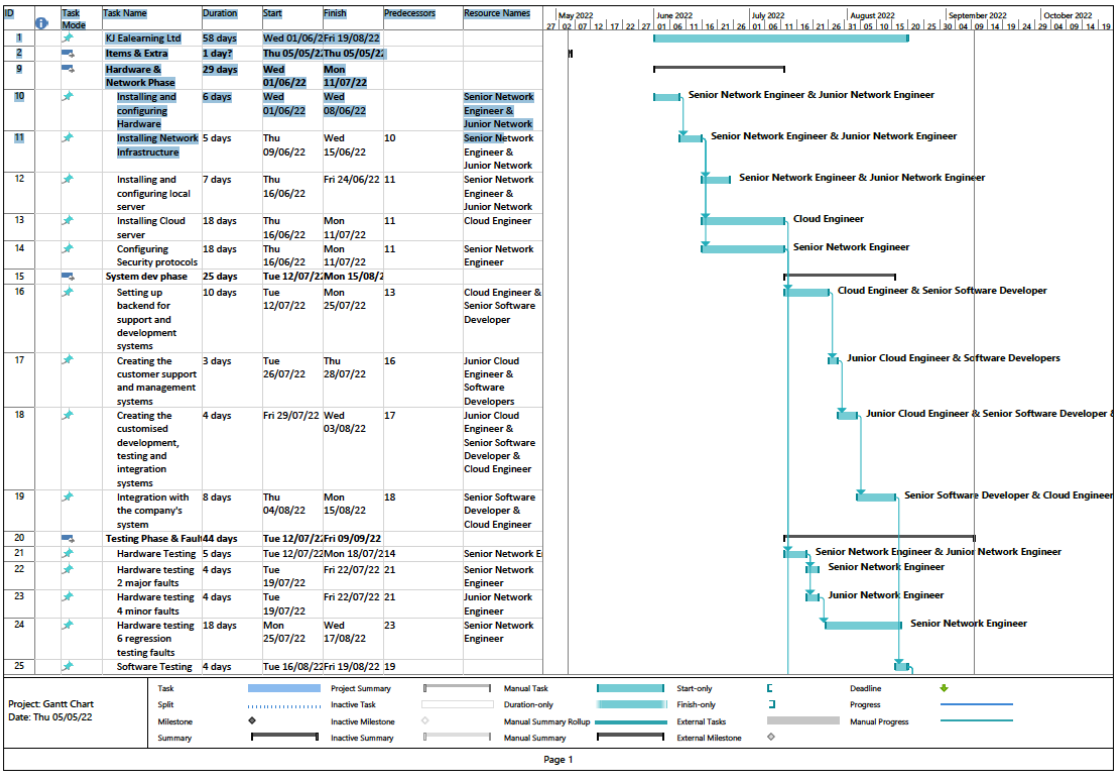
In the above response, the frequency is good, but the type of communication is poor. If we were in a pandemic, then zoom calls would be fine. They should show a mixture of types of communication such as email, phone calls and face to face interaction.

(**1 mark awarded**)

Activity 2

Gantt charts should show a graph with tasks, dates and duration, and milestones to indicate length and overlaps. However, if they have not allocated resources, this would limit the marks the learners can achieve for this activity. It was noted the performance with this section for Activity 2 has been poorer in comparison to previous series.

Good response



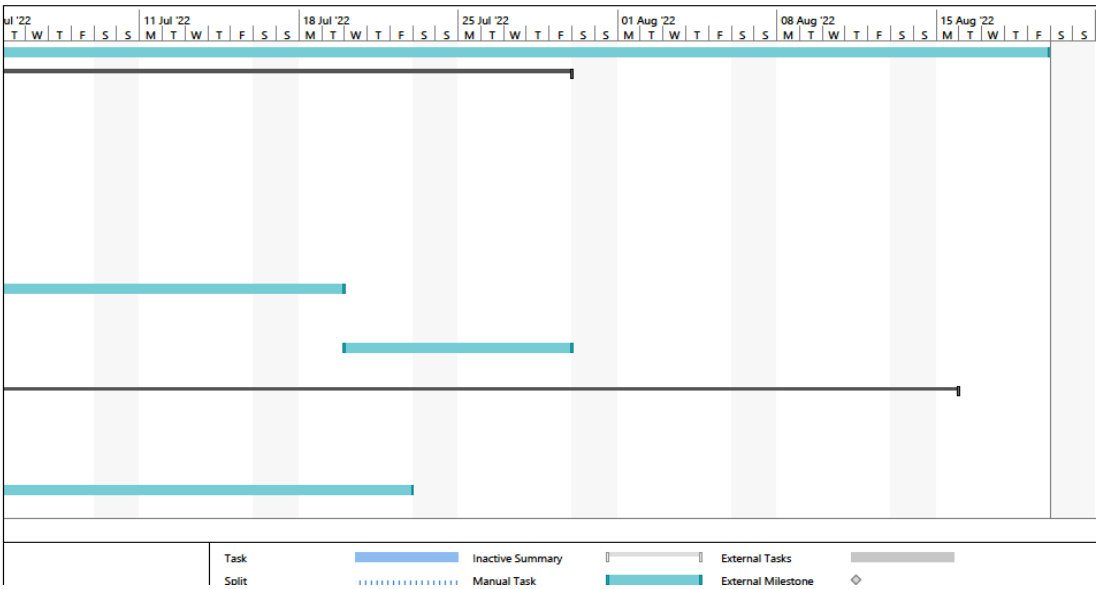
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1		KJ Ealearning Ltd	58 days	Wed 01/06/22	Fri 19/08/22		
2		Items & Extra	1 day?	Thu 05/05/22	Thu 05/05/22		
9		Hardware & Network Phase	29 days	Wed 01/06/22	Mon 11/07/22		
10		Installing and configuring Hardware	6 days	Wed 01/06/22	Wed 08/06/22		Senior Network Engineer & Junior Network
11		Installing Network Infrastructure	5 days	Thu 09/06/22	Wed 15/06/22	10	Senior Network Engineer & Junior Network
12		Installing and configuring local server	7 days	Thu 16/06/22	Fri 24/06/22	11	Senior Network Engineer & Junior Network
13		Installing Cloud server	18 days	Thu 16/06/22	Mon 11/07/22	11	Cloud Engineer
14		Configuring Security protocols	18 days	Thu 16/06/22	Mon 11/07/22	11	Senior Network Engineer
15		System dev phase	25 days	Tue 12/07/22	Mon 15/08/22		
16		Setting up backend for support and development systems	10 days	Tue 12/07/22	Mon 25/07/22	13	Cloud Engineer & Senior Software Developer
17		Creating the customer support and management systems	3 days	Tue 26/07/22	Thu 28/07/22	16	Junior Cloud Engineer & Software Developers
18		Creating the customised development, testing and integration systems	4 days	Fri 29/07/22	Wed 03/08/22	17	Junior Cloud Engineer & Senior Software Developer & Cloud Engineer
19		Integration with the company's system	8 days	Thu 04/08/22	Mon 15/08/22	18	Senior Software Developer & Cloud Engineer
20		Testing Phase & Fault	44 days	Tue 12/07/22	Fri 09/09/22		
21		Hardware Testing	5 days	Tue 12/07/22	Mon 18/07/22	14	Senior Network E
22		Hardware testing 2 major faults	4 days	Tue 19/07/22	Fri 22/07/22	21	Senior Network Engineer
23		Hardware testing 4 minor faults	4 days	Tue 19/07/22	Fri 22/07/22	21	Junior Network Engineer
24		Hardware testing 6 regression testing faults	18 days	Mon 25/07/22	Wed 17/08/22	23	Senior Network Engineer
25		Software Testing	4 days	Tue 16/08/22	Fri 19/08/22	19	

In the above response, we can see that resources and costs have been allocated. Though learners may have a separate cost and resources document, the allocation is essential to see who is doing what and when during the project lifecycle.

(8 Marks awarded)

Poor response

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1		KJ ELearning Ltd	58 days	Wed 01/06/2	Fri 19/08/22		
2		**Senior software devloper**	**23 days?**	**Wed 29/06/22**	**Fri 29/07/22**		
3		custom support and managing					
4		customised development, testing and integration system					
5		backend support and development systems					
6		integration with company central system	15 days	Wed 29/06/22	Tue 19/07/22		
7		software testing	8 days	Wed 20/07/2	Fri 29/07/22		
8		**Software developer**	**23 days?**	**Wed 01/06/2**	**Fri 01/07/22**		
12		**Senior network engineer**	**34 days?**	**Wed 29/06/22**	**Mon 15/08/22**		
13		installing and configuring local server					
14		configuring security protocols	18 days	Wed 29/06/22	Fri 22/07/22		



Gantt charts should show a chart with tasks, dates and duration, and milestones to indicate length and overlaps. However, if they have not allocated resources, the learner will not have completed the Gantt chart. In the above response, the sequence of tasks is not completed. No resources have been added, which would be the allocation of the team members.

(2 Marks awarded)

Resources

Learners must identify some of the resources based on the correct functional point analysis. We should expect to see all the tasks allocated to the right resources. The overall cost should include the hour's work per worker and the required hardware and software with an estimated final cost.

Cost Plan

Infrastructure and Maintenance Costs

Component	Cost	Total
Infrastructure	£3,200	£3,200
Maintenance	£5,200	£5,200
		£8,400

Employee Costs

Staff	Hours Available	Cost Per Hour	Total Cost Per Week
Project Manager	7 and a half hours per day (5 days a week)	£35	£1,312.50
Senior Software Developer	7 and a half hours per day (5 days a week)	£40	£18,080
Senior Network Engineer	7 and a half hours per day (5 days a week)	£40	£20,080
Cloud Engineer	7 and a half hours per day (5 days a week)	£55	£25,760
Software Developer	7 and half hours per day (5 days a week)	£30	£7,200
Junior Network Engineer	7 and a half hours a day (5 days a week)	£23	£5,520
Junior Cloud Engineer	7 and a half hours a day (5 days a week)	£32	£5,376
			£83,328.50

Budget	£145000		
Resources	**Quantity**	**Item Cost**	**Total Cost**
Cloud Server	1	£650pm	N/A
Local Server	1	£12500	£12500
Cost Of Infrastructure upgrades	n/a	£3200	£3200
Maintenance Costs	n/a	£5200	£5200
Laptops	50	£645	£32,520
FINAL TOTAL COST			£53,150

Staff Cost Plan:

Project Members	Quantity	Pay Per Hour (£)	Pay Per Person after 5 days	Pay Per Per after (weeks)
Project Manager	1	35	1312.5	18,375 (14)
Senior Software Developer	1	40	1,500	21,000 (14)
Software Developer	2	30	1,125	12,375 (9) (24,750)
Senior Network Engineer	1	40	1,500	18,000 (12)
Cloud Engineer	1	55	2,062	28,868 (14)
Junior Cloud Engineer	1	32	1,200	7,200 (6)
TOTAL STAFF COST				**£118,193**
TOTAL OVERALL COST (Equipment + Staffing)				**£171,343**

In the example above, the learner has provided evidence of staff and equipment. An estimated total cost must be provided**. (5 Marks awarded)**

The reason why this response did not achieve full marks was due to omissions, which led to higher overall costs.

Activity 3

Project checkpoint report

All too often, students wrote the evaluation. Understanding of project management concepts" one of the most important traits is the lesson learnt and how you can improve on this next project. Another issue is quality management; all too often, this is left out or what is written is not applicable Quality management planning determines quality policies and procedures relevant to the project for both project deliverables and project processes and defines who is responsible for what.

Good response

Quality Management: The quality of the project had been followed throughout as all involved influencers on the project had all followed the compliant standards of the installation process. For example, the senior software developers and his staff had all complied to the ISO 2510 benchmark which had been the testing stage testing out the reliability of the software. From this an issue had arose with the customised development however this had been mitigated as the software had been fixed and passed its testing stage.

The Senior network engineer and the Junior network engineer had also complied to the ISO 27001 standard which is a benchmark for testing the safety of the network as they cyber security of the network also needs to be followed in order to keep the network safe and secure. However due to the network cable failure of the network infrastructure this resulted in the loss of communication with the cloud server leaving information inaccessible due to the cloud server having no communication. This issue had become rectified and resolved one the senior network engineer had looked into this fault and had instead replaced the broken cable which had allowed the network infrastructure to be back up and running then allowing communication with the cloud server.

Throughout this project quality and documentation had also been followed throughout as any issues had been reported immediately in order for them to mitigated and resolved straight away. This was followed by the ISO 9000 standard which is a benchmark for quality assurance and making sure the documentation was all kept up to date and specific when documented.

Work Package Tolerance Status

Time:	**1st June till 19st August**
Cost:	**£159,500 10%leeway**
Quality:	ISO 2510 followed for benchmark testing stage (Software development testing) • ISO 27001 followed for benchmark testing stage (Network infrastructure and cyber security) • ISO 9000 – Quality assurance and documentation control

Issues log

Date Raised	Raised By	Description	Action Taken	Date Closed
11th July 2022	Senior Software Developer	Testing identified more faults than expected with the customised development, testing and integration system and required six additional days for regression testing.	**Appropriate action taken further 6 days required for regression testing.**	**17th July 2022**
	Senior Software Developer	During testing, developers working remotely were unable to access the systems. This required two additional days to fix	**Additional days to fix the bespoke software.**	**19/07/2022**
	Cloud Engineer Senior Network Engineer	An infrastructure failure resulted in the loss of communication with the cloud server. This was due to a network cable failure, which added four days to the network infrastructure installation.	Senior network engineer has taken the appropriate action in order to get the infrastructure back up and running. Following with the Junior Network Engineer where the network cable had been replaced.	**22/07/2022**

Lessons Learned

- Set a period of time aside in the project for potential delays to minimise deviations from project.
- Test all components individually to ensure they are fully functional and compatible with others before installing them.
- Ensure that there is an alternative way to access the systems so that if there are any issues with developers working remotely they can be quickly fixed and accessed.
- Check and test that all cables are fully functional in order to avoid infrastructure failures. Furthermore make sure that there are backup cables so that they can be easily replaced.

In this activity for the completion checkpoint, we should expect to see most sections filled in, with an issues log fully completed. Limited marks would be provided if the lesson learnt is vague or incomplete.

In the above response, the learner has written the correct issues provided in the part B brief. The student has included the action taken and the date it was completed.

(6 marks awarded)

Poor response

5th July 2022	Mia Slater	Office Computers did not arrive on scheduled date	Waited for 2 more days in which they did arrive. Late arrival has been noted in PID and Gantt Chart.	7th July 2022
11th July 2022	Israel Shodeinde	Integration System issues were identified during Network Infrastructure Build and will take an additional 6 days to fix	Issues were fixed on 17th July 2022	17th July 2022
21st July 2022	Mrugagya Mulay & Steven Taylor	Developers working remotely were unable to access the systems during testing	Issues were fixed on 23rd July 2022	23rd July 2022
31st July 2022	Mia Slater & Steven Taylor	Issues have been identified in Software Testing, which will take an additional 6 days total to fix	Issues were fixed and Software Testing was officially completed on 5th August 2022	5th August 2022
1st August 2022	Israel Shodeinde & Mrugagya	Network Infrastructure suffered a sudden failure during Cloud	Issues were fixed and testing was completed on 5th August 2022	5th August 2022

Lessons Learned

- In the future, set a period of time aside in the project for potential delivery delays to minimise deviations from project.
- Before combining central system components, test them individually to ensure they are fully functional and compatible with other system components.

The response above has added many issues, but some are not the issues raised in Part b of the brief. Information put onto the log must be correct and relevant.

(3 marks awarded)

Activity 4

Success criteria are an "accurate summary of how quality criteria are met, showing an awareness of the scenario throughout". The second part is reviewing the project and linking this to the project lifecycle. It does not have to be a sub-heading of each phase but can mention in the report, e.g., during testing. The third part is the summary of the lesson learned. Utilise the information in the scenario effectively to provide details of deliverables success, such as the project coming close to budget. Process success, such as the team's new system to match the designs, and performance success, such as the project team working together to develop a new high-quality method.

To	Mr Elves
Subject	Project completion

Dear Mr Elves,

I am writing to give you feedback on the KJ ELearning Ltd Project. It has been completed and everything is working well. The final cost came up to £114,297.50. This was £22,850 for the equipment, £32,250 for computers since we chose the option of laptops and £59197.50 for staff pay. All together the total was £30,702.50 under the budget. I am very glad that we were able to stay under the budget and successfully complete the project.

Although the overall cost did not exceed the budget unfortunately the completion date that you requested was not met. This is because during the testing stages we identified more faults than we expected with the customised development, testing and integration system. This as a result required six additional days for regression testing. Additionally during the testing stage our developers working remotely were unable to access the systems. This caused a two day delay in order to fix. I have now learnt that we must ensure that there is an alternative way to access the systems so that if there are any issues with developers working remotely they can be quickly fixed and accessed. Furthermore there was one more delay that added four days to the network infrastructure installation. This was due to an infrastructure failure that resulted in a loss of communication with the cloud server. The infrastructure failure was caused by a network cable failure. We now know to check and test that all cables are fully functional in order to avoid infrastructure failures. All of our staff members have worked hard to provide KJ ELearning Ltd with a fully operational system that meets the required criteria.

We were asked to create a system that will require:

- A customised development, testing and integration system
- Customer management and support system
- Installation and configuration of a local server
- Installation of network infrastructure
- Deployment and configuration of a cloud server
- New equipment and training for staff

The current system meets all these criteria. Your initial predictions that the system will provide quicker access during peak times, minimise security risks, improve customer support, allow more effective support and maintenance for deployed solutions and provide improved development, testing and integration tools for developers were all correct. The new system is performing well and can monitor deployed e-learning solutions, support development of its learning platforms, integrate with the company's central systems and enable remote and collaborative working for developers.

Evaluation:

During the initial planning and development stage, a deadline of 22 August 2022 was allocated and a budget of £145,000 was agreed upon. These predictions were made with the assumption that there would be no delays, no staff absences, and that despite the fact that there would be faults identified during the software and hardware testing stages, the deadline would suffice. It was also believed that the £145,000 would be enough and would not be exceeded. Although meeting all

criteria some of these assumptions were not entirely correct. The project was successful but there are areas of the planning stage that could be improved upon. This is because, my assumption that there would be further testing delays turned out to be false, and there was a 14 day delay.

Lessons Learned

- Set a period of time aside in the project for potential delays to minimise deviations from project.
- Test all components individually to ensure they are fully functional and compatible with others before installing them.
- Ensure that there is an alternative way to access the systems so that if there are any issues with developers working remotely they can be quickly fixed and accessed.
- Check and test that all cables are fully functional in order to avoid infrastructure failures. Furthermore make sure that there are backup cables so that they can be easily replaced.

Using this project as a learning curve I can manage my future projects better. I will ensure to take and use the lessons learned in my future tasks. I will set a period of time aside for potential unplanned delays. I will ensure that there are alternative access points to the system to minimise the time taken to fix such issues. Lastly I will check that all hardware is functional and compatible so that it does not create further delays. I believe that by following these I can manage future projects better with less delays.

I hope that we can collaborate and work again in the near future.

The learner has evaluated the quality success criteria, where the evaluation includes aspects of the project life cycle. They have also evaluated the processed used.

The lessons learnt with the project delivery in this response is transferable to the next project. They have considered impact and relevance to the previous project. The mark provided for this response also includes the quality of communication for this activity.

(16 Marks awarded)

Email	
From	Emmanuel Omotayo, Project Manager
To	Mr Elves, Managing Director
Subject	Project closure Email

Dear Mr Elves

Here is the following success criteria which has been completed and the aforementioned deliverables to the company KJ Elearning LTD:

- Create customer support and managing system
- Creating the customised development, testing and integration system
- Setting up backend for support and development systems
- Integration with the company's central system
- Setting up and configuring local server
- Installing and configuring local server
- Configuring security protocols
- Installing network infrastructure
- Installing and configuring hardware
- Stress testing
- Software testing
- Hardware testing

What went well throughout the project?

Throughout this project, my company has taken into consideration all the tasks which need to be completed. With multiple tasks and multiple staff, it was essential that some sort of project management and control was put in place. I ensured that all senior staff which were hired were trained as more work would be required of them. This essentially meant that there would be less risk of system failure occurring.

In the above response for the completion of the email, there has been some attempt in responding to this activity. The success criteria are related to objectives and nothing to show how they were met. The learner should have some explanation of how it was successful. They do not discuss the project life cycle but may focus on a specific life cycle. They have not attempted the success criteria, therefore, limiting the number of marks awarded.

(3 Marks awarded)

Summary

PID- Learners need to transfer the essential detail from the scenario to the existing template, use fewer generic terms for constraints and deliverables and apply a more **scenario-based link**. They should ensure they complete the third column justification for either constraint or assumptions.

Objectives - try adding comments giving a good reason for each purpose. It would be helpful to try using fewer generic objectives and, more appropriate to the given scenario, try using the overall objectives from the scenario.

Gantt Chart – The learners, must ensure they follow the project life cycle. Timings should be consistent learners need to ensure that testing is completed before installation or development of the artefact.

Lesson Learnt - The only way to avoid problems happening again in the future is to carefully consider what went wrong this time (and why) and decide what we can do differently next time to avoid those problems. Lessons learned is a process to help identify and transfer such recommendations forward from one team to another.

Email - Learners should, in theory, seek the views of the people affected by the project. This can include execution of the project based on the project life cycle, the milestones and project objectives. They should evaluate the cycle and its processes, e.g., testing problems encountered, work well, etc. We would require some success criteria and evaluation of the project through essential and may be unbalanced.

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