

FORMATIVE ASSESSMENT 1

Cloud Fundamentals

CF412

2024

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Please complete the declaration of authenticity below for all assignments:

DECLARATION OF AUTHENTICITY

I _____

(FULL NAME)

hereby declare that the contents of this assignment are entirely my own work with the exception of the following elements: (List the elements of work in this project that were not self-generated as well as who the originator of the element is)

Element	Originator

Signature: _____

Date: _____

Programming Foundation

Module: Cloud Fundamentals

Module Code: CF412

NQF: 4

Credits: 11

Assessment type: Formative Assessment

Mark allocation: 50

Hand out date: 02/08/2024

Hand in date: 16/08/2024

Instructions:

Read each question carefully and consider the mark allocation prior to answering.

- Ensure you answer all the questions.
- For final submission, include the Declaration of Authenticity and your Answer Sheet (PDF Document)

Unit Standards:

US Type	US ID	US Description	NQF	Credits
Fundamental	12154	Apply comprehension skills to engage oral texts in a business environment	NQF-4	5
Elective	114636	Demonstrate an understanding of preventative maintenance, environmental and safety issues in a computer environment	NQF-3	6

Assessment Outcomes:

- Demonstrate a solid understanding of cloud computing fundamentals and Azure services.
- Identify and analyze the specific needs and requirements of the organization considering cloud migration.
- Evaluate the current IT infrastructure and applications for suitability in the cloud.
- Identify potential risks associated with cloud migration, including data security, compliance, and downtime.
- Assess the technical feasibility of migrating existing systems and applications to Azure.
- Evaluate Azure services and tools that can support the migration process.
- Assess the impact of cloud migration on organizational processes and staff.
- Propose a change management plan to ensure smooth transition and user adoption.

Question 1

(100 Marks)

Instructions: Read the scenario below and complete the following tasks

WeTest DNA Centre.

WeTest is a healthcare organization that specializes in paternity and Maternity testing for clients at a fee of R1800.00. The organisation has their own laboratory. They conduct blood, nails and hair testing. They have private clients, clients from paternity court, as well as clients from hospitals where it is alleged that a baby was switched at birth.

The organisation wants to use Microsoft Azure to host their websites and applications. Also use Azure for data backup and disaster recovery. Therefore, the organisation has decided to move from on-premise to Azure cloud. The organisation has tasked you to create their Azure Migration Plan, which you will complete in your Formative 2. For now, they want you to complete a Feasibility Study Report. (Use Segoe UI Font, Font colour: Black, Font Size: 11, Minimum 7 pages)

Feasibility study examines the viability or sustainability of an idea, project, or business. The study examines whether there are enough resources to implement it, and the concept has the potential to generate reasonable profits. In addition, it will demonstrate the benefits received in return for taking the risk of investing in the idea.

Feasibility Study analyses whether the proposed business ideas will succeed or fail. It determines the practicality by assessing the opportunities and threats of the proposed plan. They reveal the return on investment, the risk involved, methods of mitigating risks, whether the company can complete it within the scheduled time, the best alternatives available, etc. It helps companies assess the market demand and position their products and services to gain maximum profits or discard the plan if there is no cost-benefit

Draft a Feasibility Study Report which contain the following items:

1. **Executive summary:** Should be about 5 to 10 percent of the length of the whole Feasibility Study Report. Which includes the purpose of the project (moving from on-premise to Azure cloud), What is the problem that it's solving? Explain the profitability of the project and what's in for the investors and What is the estimated timeline to complete the project?
2. **Description of service:** Briefly explain what is moving from on-premise to Azure cloud and its importance.
3. **Technology considerations:** Should include discussions about computer hardware and software, and inventory management.
4. **Service marketplace:** Briefly discuss the Azure marketplace and its benefits.
5. **Marketing strategy:** Discuss how will moving to Azure cloud help the organization to reaching prospective consumers and turn them into customers of our services.
6. **Organization/staffing:** Discuss how will moving to Azure cloud impact on our current stuff. Will there be a need for hiring of new stuff members as well?
7. **Timeline:** Discuss an estimate timeline of how long it will take for the organization to move moving from on-premise to Azure cloud.
8. **Financial projections:** Discuss an estimate cost that the organization must budget for moving from on-

premise to Azure cloud.

9. **Findings and recommendations:** Identify the need for moving from on-premise to Azure cloud. Draw conclusions based on your findings. Formulate recommendations based on your conclusion.

End of Questions

[Total = 100 Marks]

End of paper.

Assessment Rubric

Criteria	Poor (0 – 1 Mark)	Need Improvement (2 – 3 Marks)	Excellent (4 – 5 Marks)
Document Submitted is a PDF document, contain a Cover Page, Contents Page, Page numbers, Feasibility Study Report and a Bibliography	PDF Document submitted without the requirements.	PDF Document submitted but missing some requirements.	PDF Document submitted without the requirements.
Proper document structure, font type and font size, Minimum 7 pages submitted	PDF Document submitted without the requirements.	PDF Document submitted but missing some requirements.	PDF Document submitted with all requirements.

Criteria	Poor (0 – 3 Mark)	Need Improvement (4 – 7 Marks)	Excellent (8 – 10 Marks)
Executive summary	Very little executive summary noted.	Some executive summary noted.	Good to executive summary shown.
Description of service	Little to no description shown	Some description shown	Good to excellent description shown
Technology considerations	Little to no planning shown for technological considerations.	Some planning shown for technological considerations.	Good to excellent planning shown for technological considerations.
Service marketplace	Little to no planning shown.	Some planning shown.	Good to excellent planning shown.
Marketing strategy	Little to no marketing strategy shown.	Some marketing strategy shown.	Good to excellent marketing strategy shown.
Organization/staffing	Little to no planning for staffing shown.	Some planning for staffing shown.	Good to excellent planning for staffing shown.
Timeline	Little to no timelines shown.	Some timelines shown.	Good to excellent timelines shown.
Financial projections	Little to no planning shown	Some financial planning shown	Good to excellent finance planning shown
Findings and recommendations	Little to no findings and recommendations shown.	Some findings and recommendations shown.	Good to excellent findings and recommendations shown.
/100			