

Graduate Business Analyst Assessment

Enviro365 IT Solutions

Scenario 2:

Question 1. Detail in point form the process you would follow to gather the information you need to detail the user stories and acceptance criteria.

Answer:

- Requirements Gathering: help client define user needs.
- Requirements Analysis: refine and modify user requirements.
- Requirements Specifications: document requirements to ensure clarity, consistency, and completeness. Example: UML diagrams, User stories, and User Acceptance Tests

Question 2. Detail the questions you would ask the customer to get the needed information for the user stories and acceptance criteria related to RFP Requirement No. 1 ONLY.

Answer:

Requirement: Students can purchase monthly parking passes online.

For User Story (Who-What-Why): As a student, I can pay monthly, to get parking passes online.

1. Who plays the 'User' role in the e-student system?
2. What capabilities should the 'User' have in the system ?
3. Why should the 'User' have this capability (What's business value)?

Acceptance criteria (Given-When-Then): I'm a student with cash/card, I make payments, I should get my parking pass.

1. What are the conditions(business rules) for the 'User' to use the system?
2. How should the 'User' use the system's capabilities?
3. What should happen after the 'User' has used the system?

Scenario 3: Website Services Inc.

Questions 1. Explain your understanding of the business analyst's role in each stage of the Software development life cycle using the Website Services Inc. quotation as a reference.

Answer:

During an Agile Software Development life cycle, as a business analyst:

Website Services Inc.

1 Flamingo Way
Table View
ph 021 555 0000
www.wesinc.co.za

To Marius Kruger
Kabeljou (Pty) Ltd

Quotation for e-commerce website:

As discussed:

Item	Time est.	Fee
Requirements analysis	3 weeks	40,690
Design	1 week	18,100
Building	2 weeks	36,700
Testing	1 week	22,775
Hardware installation	1 week	9,010
Server H/W and OS		59,800
Installation onto server	2 days	5,490
Catalogue data and image upload	4 weeks	14,300
Training and handover	2 days	10,988
Post-implementation support	4 weeks	33,385
Total		R247,238

1 year's licence fee for WebSiteShopify (e-commerce platform) @ USD150 PM

R19,800

Billing plug-in for 1st year, USD65 PM

R8,580

Terms:

- 50% payment up front
- 25% on installation
- 25% after support phase complete
- Your web site will be quality assured to run on Chrome, Explorer, Firefox and Mozilla
- We can commence within 2 weeks of acceptance of this quote.
- System can be implemented within 2 months of starting work, assuming client is available as needed e.g. for requirements analysis, training etc.
- Client to provide DSL and server space before installation.
- 2.5% discount if total invoice settled in advance.

Kind regards,
Joe Wren, MD

1. **Requirements:** I'll gather, analyse, and document requirements(specifications).
2. **Design:** I'll collaborate with technical team (developers, stakeholders) to design a solution that meets business needs.
3. **Building:** I'll facilitate communication between business stakeholders and technical team, to ensure that everyone is on the same page.
4. **Testing:** I'll verify that software solution meets the requirements, and free of defects.
5. **Hardware, server installations:** I'll document and analyse existing business processes, identify bottlenecks and areas for optimisation, design, and propose new processes.
6. **Catalogue data and image upload:** continuous improvement, further optimize solutions.
7. **Training and handover:** Ensure a smooth transition and user adoption.
8. **Post-implementation support:** help manage changes associated with implementing new processes.

Scenario 4:

For the below tables for Customer and Order for Enviro Bank, complete the table for the given attributes

Entity name:	CUSTOMER		
Attribute	Key (PK / FK)	Data type	Data size
Customer ID	PK	int	
Create date (when the 'Customer' record was created)		date	
Status (e.g. Good, Blacklisted)		varchar	25
First name		varchar	30
Last name		varchar	30
Email		varchar	30
Cell phone		varchar	40
Date of birth		varchar	20
Address line 1		varchar	100
Zip code		varchar	10
Gender (e.g. Female, Unknown)		varchar	20

Entity name:	ORDER		
Attribute	Key (PK / FK)	Data type	Data size
Order ID	PK	int	
Create date (when the cart record was created)		date	
Status (e.g. Paid, Abandoned, Dispatched)		varchar	30
Order date (when the cart was checked out and paid)		date	
Customer ID	FK	int	
Total pre-tax value		money	
Total tax value		money	
Total order value		money	
Total quantity of products		int	

Scenario 1:

Questions 1. Create a Functional decomposition diagram for the above scenario

