

SINDH MADRESSATUL ISLAM UNIVERSITY



Department of BS Computer Science

Assignment 01

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SEMESTER: 7th Fall

COURSE: Software Quality Assurance

SECTION: A

Q1 Is there any process through which software can be tested?

There are a total of four stages of software testing, which include Unit Testing, Integration Testing, System Testing and Acceptance Testing.

These four stages can be collectively categorized into two types:

- Verification Stage
- Validation Stage

Q2 what is the difference between user and customer?

User	Customer
Uses the product or service.	Purchases and pays for product or service.
Doesn't need to purchase or pay	Always pays money
Less priority than any customer.	Market. main focus is on customer.

Q3 Is it possible that a customer can be a good user?

Yes, a customer can be a good user. If a customer purchases product and service, if the customer pays it for himself that makes him a user as well. Therefore, a customer can be a user.

Q4 Is it possible that a user can be a good customer?

Yes, a user can be a good customer. A user is the person who uses the product. If for any particular product that he already used somewhere, satisfies him, he can pay to purchase it for himself, that makes him a customer as well. Therefore, a user can be a good customer.

Q5 Probability of a customer in an organization is hired when the market of that software is on demand.

Priority:

1st, Best Front-End design

- 2nd, User friendly
- 3rd, Update platform
- 4th, Services / Maintenance
- 5th, User manual

Q6 What are the languages Software Quality Assurance engineers should consider before starting a new project?

A software should be tested, visualize, implement and debugged in the same language that the particular software is developed.

For instance, a python software should be tested, visualized, implemented and debugged in the python language.

Q7 Write atleast 10 tools used by SQA engineers for testing or debugging.

- | | | | |
|---|-------------|----|----------------|
| 1 | Test Studio | 8 | Testin |
| 2 | Sauce Lab | 9 | Test Architect |
| 3 | QA Prosoft | 10 | Microfocus |
| 4 | Testin | | |
| 5 | Mabl | | |
| 6 | Katalon | | |
| 7 | Selenium | | |

Q8 Write difference between user-view, customer-view and developer-view

User-view

A user is a person who uses a product or service.

A user holds a firm control on the product and service.

A user doesn't always pay for the product or service.

Customer-view

A customer is the person who purchases a product or service.

A customer lacks on the control on the product or service.

A customer has to pay for the product and service.

Developer-view

Developer is the person who develops the computer software.

Developer controls all the actions existing in a software.

Developer designs, controls and views a software and then sells it in a market.