



TASK FOR QUALITY ASSURANCE

| Question 1

Based on your experience as a QA.

a. Explain in about SDLC, STLC and their differences

SDLC (Software Development Life Cycle) that defines the phases or stage of development that a project goes through.

STLC (Software Testing Life Cycle) is way of mapping phases of testing process into an SDCL

So SDLC focusing on software development as a whole and STLC focusing software testing during software development.

b. Explain the steps for Bug Cycle?

- . Assigned to **new defect**

- . Analyze the **assigned** defect , Check the defect is valid.

- . If the defect is not valid, it will be **rejected**.

- . If it is a valid defect already raised, it will be assigned as a **duplicate**.

- . If the defect is valid, it will be assigned to the developer .

- . Once it is fixed, defect will be assigned as **fixed**.
- . Tester will re-test, and it will be assigned **closed** if defect is fixed.
- . If the test cases failed, it will be **reopened** ,and again assigned to developer.

c. Give us Real Case about Severity and Priority

- We have a Mobile Application (Android / iOS). When User taps on Forgot Password then Application crashes.
Here Severity = HIGH / VERY HIGH / CRITICAL. Priority = HIGH / URGENT
- We have a Mobile Application (Android / iOS). When User taps on Forgot Password, he / she enters a Mobile Number / Email to receive the OTP. Upon entering OTP (Correct / Incorrect) and tapping on NEXT / SUBMIT, a Loader is displayed and continues indefinitely.
Here Severity = HIGH. Priority = MEDIUM
- We have a Website for an Automobile Company that is recognisable brand. The logo displayed on it's Homepage suddenly changes to a Broken Image or some other Automobile Company's Logo.
Here Severity = HIGH. Priority= LOW

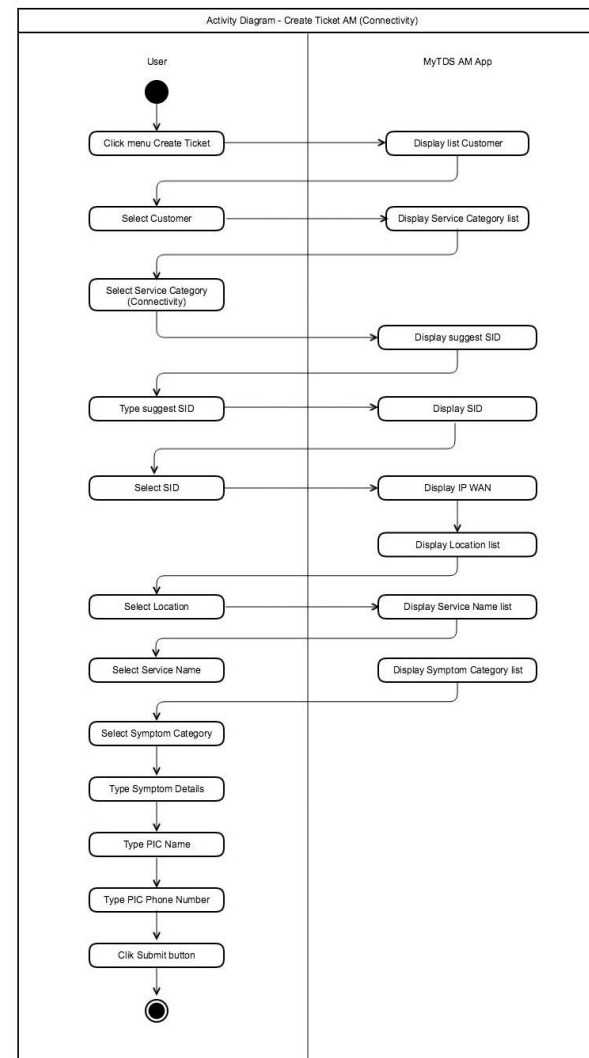
d. Give us explanation about Equivalence Partitioning & Boundary Value Analysis testing techniques

- In Equivalence Partitioning, first, you divide a set of test condition into a partition that can be considered.
- In Boundary Value Analysis you then test boundaries between equivalence partitions
- Appropriate for calculation-intensive applications with variables that represent physical quantities

Question 2

as a QA, how to make a test scenario (Negative and positive cases) based on the activity diagram on the side?

Positive Testing employs partitions with valid values. Negative testing is performed on partitions with incorrect values.



| Question 3

You are testing a new version of software for a coffee machine. The machine can prepare different types of coffee based on four categories. i.e., coffee size, sugar, milk, and syrup. The criteria are as follows:

- Coffee Temperature should be about 78%
- Coffee size (small, medium, large)
- Sugar (none, 1 unit, 2 units, 3 units, 4 units)
- Milk (yes or no)
- Coffee flavor syrup (no syrup, caramel, hazelnut, vanilla)
- Sugar (3 and 4 Units) cannot add Coffee flavor syrup

And now we have some issues:

- You can add Coffee flavor syrup when sugar is 3 Units
- The coffee temperature is below 78 %

QUESTION:

As a QA:

- A. Describe how a test scenario can ensure that all test coverage is covered?

criteria to ensure all test is covered

1. all the test cases are executed with the certain percentage of pass.
2. bug falls below a certain level
3. Dead lines reached(project or test)
4. when all the functionalities are covered in a testcases
5. all critical & high bugs must have a status of CLOSED.

B. How do you identification issue and write defect report from the following information?

- Identification issue

Write a description of the problem

Research the root cause

Add supporting documents

- Write defect report

Prepare right title

Write to step reproduce

Expected result

Actual result

Provide documentation (capture or video)

Set priority



Question 4

Mock API:

```

1  {
2    "data": {
3      "id": "2",
4      "email": "janet.weaver@reqres.in",
5      "first_name": "Janet",
6      "lastName": "Weaver",
7      "avatar": "https://reqres.in/img/faces/2-image.jpg"
8    },
9    "support": {
10     "url": "https://reqres.in/#support-heading",
11     "text": "To keep ReqRes free, contributions towards server costs are appreciated!"
12   }
13 }

```

Real API:

<https://reqres.in/api/users/2>

QUESTION

- a. As a QA, Please compare between MockAPI and Real API.
mock server API imitates a real API server by providing realistic mock API responses to requests.
Is there any difference?explain it. No
- b. If there are differences, what defects will appear? No

| Question 5

Create 5 Scenario Test from <https://demo.midtrans.com/> with Gherkin Language and attach the results of the test report

Given user in registration page

When user enter invalid confirm password

then should be appeared validation message "make sure card number are corret"

DEMO STORE

Total

Pay within 21:25:38

Rp20.000

Order ID #sample-store-1664244115

← Credit/debit card

Card number

1234

Make sure your card number are correct.

Given user in registration page

When user unfilled Business name field

then should be appeared validation message "merchant name can't be blank"

Registration

The email & telephone number provided will be used to login to the Midtrans portal, receive reports, validate bank account, and many more.

BUSINESS NAME

Merchant name can't be blank

Given user in credit/debit card page

When user enter invalid number

Then should be appeared validation message "Password confirmation doesn't match Password"

PASSWORD

Enter your password

Minimum 8 characters including capital & small letters (A-Z), (a-z), and numbers (1-9)

CONFIRM PASSWORD

Please retype your password

Password confirmation doesn't match Password

Minimum 8 characters including capital & small letters (A-Z), (a-z), and numbers (1-9)

Register

By proceeding, You understand and agree to Our use of the information that You submit in accordance with the provisions of the [Privacy Policy](#).

Already have an account? [Login](#)

EN | ID

Given user in credit/debit card page
when user enter invalid expired date
then should be appeared validation message "invalid expiration detail"

DEMO STORE

Total

Rp20.000

Order ID #sample-store-1664244115

Pay within

21:25:38

▼

←

Credit/debit card

Card number

1234

Make sure your card number are correct.

Expiration date

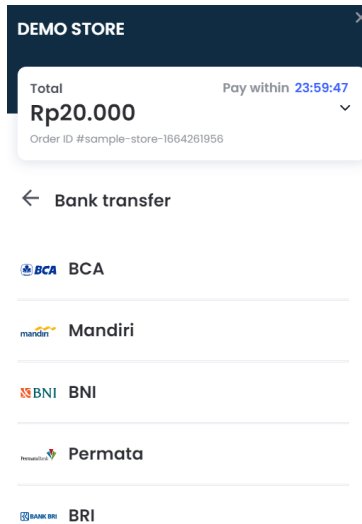
01/01

Invalid expiration detail.

CVV

••••

given user in select method page
when user select payment option
then payment options selectable





MyTEnS
by telkomindonesia



MyCarrier

mysooltan
by telkomindonesia



Telkom
Indonesia
the world in your hand

