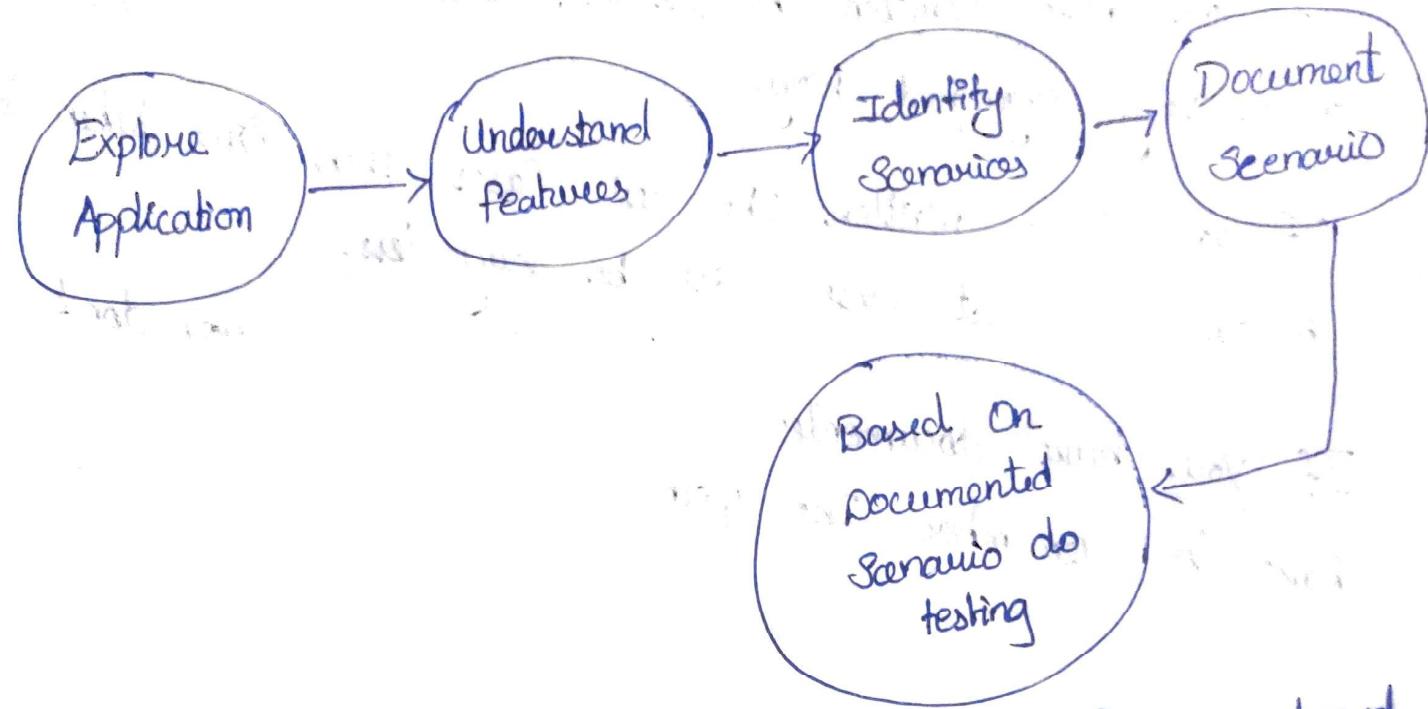


EXPLORATORY TESTING



Explore the application, understand the features, based on understanding identify scenarios, document it, refer the scenarios and perform testing.

WHY OR WHEN WE DO EXPLORATORY TESTING ??

- * Whenever there is no requirement
- * Whenever requirement is there but not understandable
- * Whenever requirement and it is understandable but there is not time to read and understand the requirement.

DRAWBACKS OF EXPLORATORY TESTING

Assume Customer Convey message to developer that phone number text field should accept Valid phone number with Country Code.

- ① Chances are there we might miss - Understand feature as bug.
- ② chances are there we might miss - Understand bug as feature.
- ③ If any feature is missing we might not come to know why it is missing.

How To OVERCOME THE DRAWBACK OF EXPLORATORY TESTING?

- ① By Interacting with developers, Business Analyst and customer closely.
- ② Based On Domain knowledge.
- ③ Based on knowledge of product which is already launched in the Market.

NOTE:- In Exploratory testing we do Functionality testing, Integration testing and System testing.

15/09/2020 (12:30pm - 2:30pm) (Usability testing is a type of

USABILITY TESTING → Non FUNCTIONAL TESTING)

Testing the user friendliness of an application is called as Usability testing.

GUI TESTING

How To Do USABILITY TESTING?

To do Usability testing we will check look and feel of an application.

- ① I will check look and feel of an application.
- ② Application should be simple to understand.
- ③ User should be able to get required feature within 3 clicks.
- ④ List of features or important features should be present at either left navigation bar or top navigation bar. To do simple activity it takes less time.
- ⑤ Important features or frequently used features should be easily accessible.

WHEN WE DO USABILITY TESTING?

- ① When Product becomes functionally Usable
- ② In Some Projects they do Usability testing in SDLC stage itself.

FOR WHAT KIND OF APPLICATION WE DO USABILITY TESTING?

- ① If Application generates lot of Revenue.
- ② If Application is used by Variety of User.
- ③ If Any Application which doesn't give any training for their end users.

ACCESSIBILITY TESTING:

Testing User friendliness of an application from physically handicapped person point of view.

Colour Blindness.

Long Sight.

FORMAT OF TEST CASES :-

Two small circles, each containing a stylized symbol resembling a cross or asterisk.

Test Case Name :

Requirement Number:

Pre Condition :-

Test Data:

Severity

Test Case Type:

Brief Description:

FOOTER:-

Author : Mautina

Approved By :-

Reviewed By :-

Approved Date : 20/09/2020

TEST CASE DESIGN TECHNIQUES : (Better Coverage)

→ Error Guessing

→ Equivalence Partitioning

Business

Practise

→ Boundary Value Analysis (BVA)

ERROR GUESSING :-

Guess All possible errors and derive the Scenarios.

Guess the Errors Based on :-

* Based on Requirement.

* Based on Experience.

* Based on Intuition.

Amt : → (100 - 500)

① 100 → letter '0' ⑤ \$100

② characters ⑥ Blank

③ -100 ⑦ 99

④ 100.00 ⑧ 5001

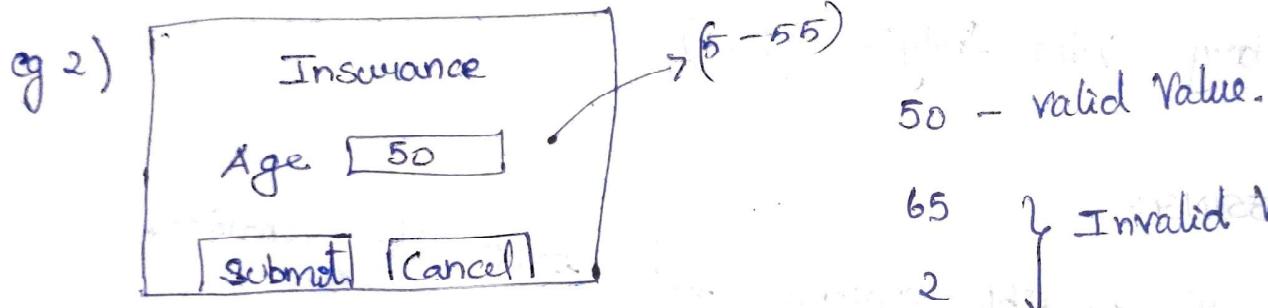
EQUIVALENCE PARTITIONING :-

* PRESSMEN - (Author of a Software Engineering Book)

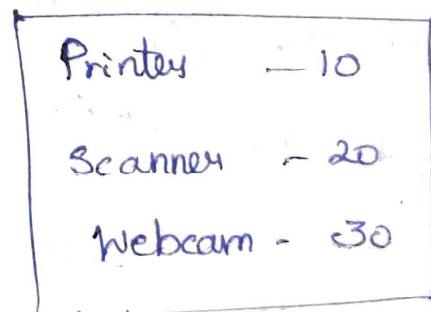
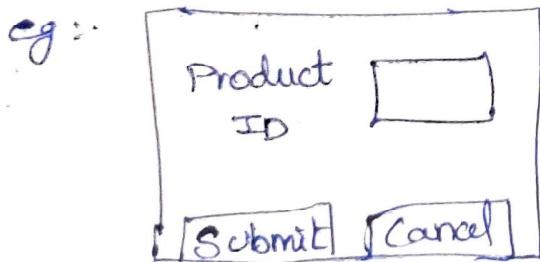
- (a) If input is Range of Values then design the test cases for One Valid & Two Invalid Values.
- {[↑] 100 - 5000}

eg: 1) Amount 500 [valid Value]

90 } Invalid Values.
1000



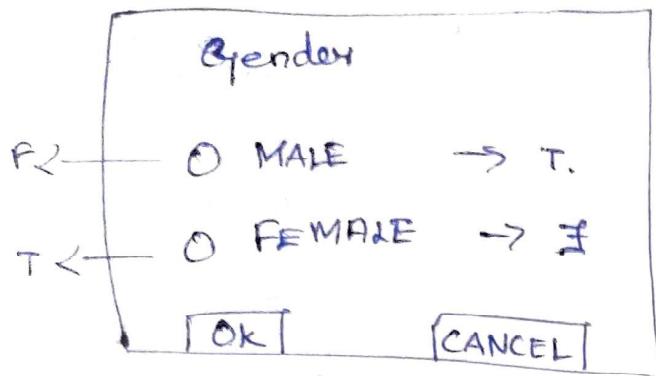
- (b) If Input is set of Values then design the test case for One Valid and Two Invalid Values.



30 [valid Value]

25 } Invalid Values.

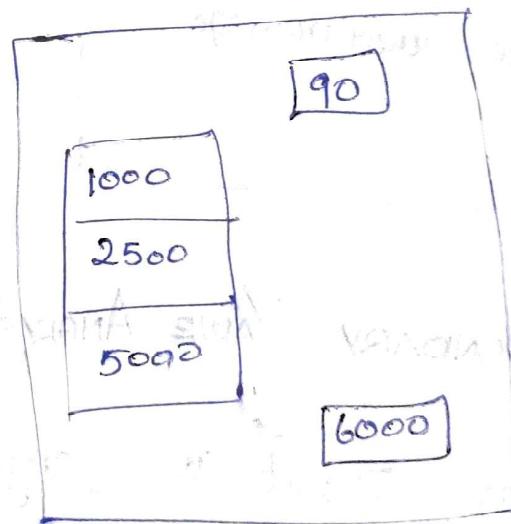
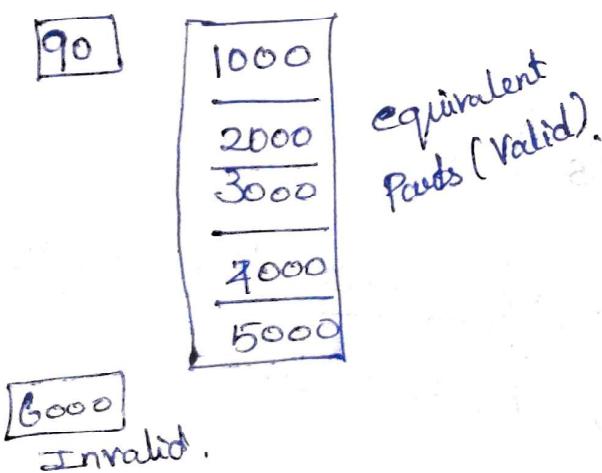
c) If Input is Boolean Value then design test case for Both true & False.



18/09/2020 (12:30pm - 2:30pm)

PRACTISE: If input is range of Values then divide range into equivalent parts & test for all the values. Make sure that you test it for atleast 2 Invalid Values.

eg. Range 100 - 5000.



Note: If there is deviation better go to practise, if no deviation then pressman.

eg.: for deviation

100 - 5000

100 - 2000

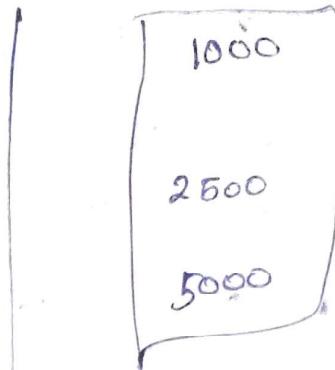
1% cut.

2001 - 5000

2% cut.

```

-----| if amount (100-2000) | |
| { deduct 1% | |
| transfer | |
| } | |
-----+ | else if (amount 2001-5000) | |
| { deduct 2% | |
| transfer | |
| } | |
-----+ | else | |
| { show error message | |
| } | |
-----+
  
```



BVA (Boundary Value Analysis) :-

If the Input is range of values then design

test case for $a, a+1, a-1 \& b, b+1, b-1$.

Range = 100 - 5000

$$a = 100$$

$$b = 5000$$

$$a-1 = 99$$

$$a = 100$$

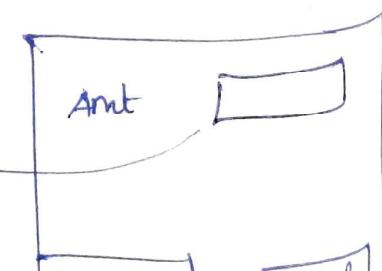
$$a+1 = 1001$$

$$b-1 = 4999$$

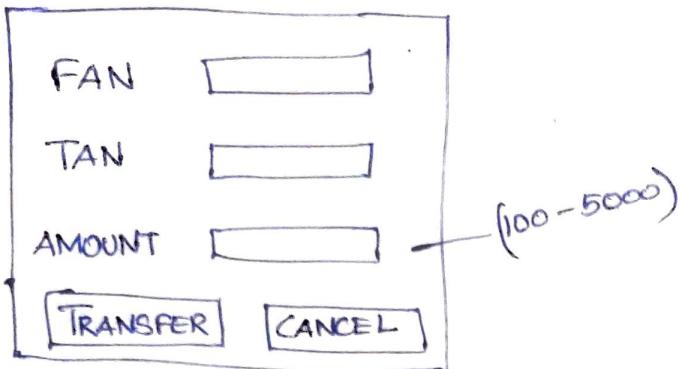
$$b = 5000$$

$$b+1 = 5001$$

100 - 5000



TEST CASE OPTIMIZATION:-

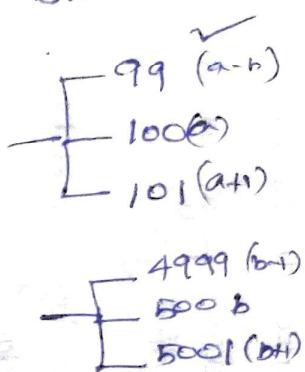


Equivalence Partitioning
(over testing)

E.P.

Skip

✓
BRA

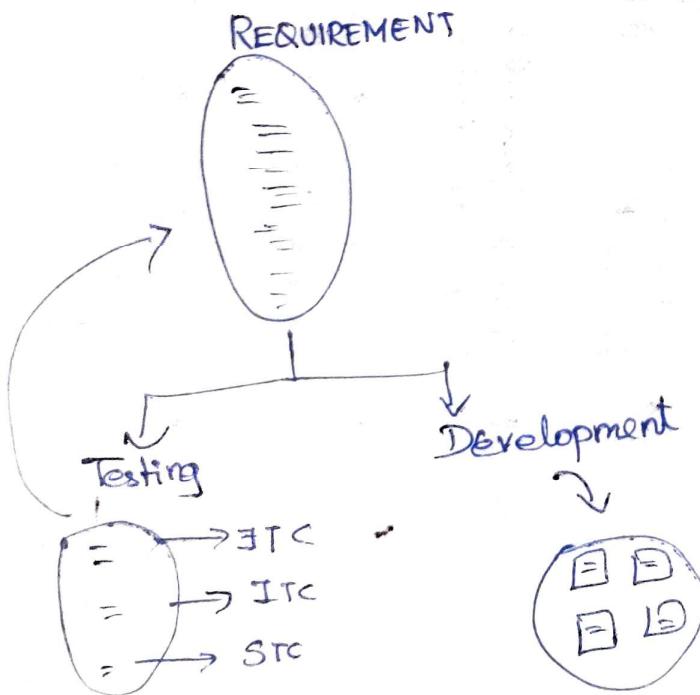


Test Case design Techniques

Error Guessing

90 ✓	100.00	-
5003 ✓	@@@	-
Characters	-100	-
\$100	=	-

FUNCTIONALITY TEST CASE :-



How To WRITE FUNCTIONALITY TEST CASE

SNO	DESCRIPTION	INPUT	EXPECTED RESULT	ACTUAL RESULT	STATUS	COMMENTS
1-	Open the Browser Enter the Test Uts	http://cubbank.com	Welcome page should be displayed.	Welcome page should be displayed.	PW	
2-	Login as User A with Valid Username and Valid password.	UN:abc PW:123456	Home Page Should be displayed.	Home Page Should be displayed.	PW	
3-	Click on Amount Transfer link.		Amount Transfer page should be displayed. Following objects has to be displayed TAN Text Field, TAN Text field, Amount Transfer Text field and Cancel Text field.	Amount Transfer page should be displayed. Following objects has to be displayed TAN Text Field, TAN Text field, Amount Transfer Text field and Cancel Text field.	PW	
4-	Following are the Steps to Just TAN to Just		Valid account number and click on submit button	Valid account number and click on submit button	PW	
4.1	Following are the Steps to Just TAN to Just		Valid account number and click on submit button	Valid account number and click on submit button	PW	
4.2	Enter 10 digits account number and click on transfer		Enter 10 digits account number and click on transfer	Enter 10 digits account number and click on transfer	PW	
4.3	Enter 11 digits account number and click on transfer		Enter 11 digits account number and click on transfer	Enter 11 digits account number and click on transfer	PW	

https://cubbank.com

WELCOME PAGE

Username	abc
Password	123
<input type="button" value="Login"/> <input type="button" value="Cancel"/>	

HOME PAGE

amt	Transfer
TRANS-ACTION	Balance
<input type="button" value="Logout"/>	

1. A valid alpha numeric message

FUNCTIONALITY TEST CASES

[E-T-C For Amount Transfer Text Field]

PAN
Text field, TAN Text field,
Amount Transfer Text field,
Transfer Text field and
Cancel Text field.

- Following are the steps to test PAN text field.

4.1 Enter 10 digits Valid Account number and click on submit

4.2 Enter 9 digits account number and click on transfer

4.3 Enter 11 digits account number and click on transfer

Home Page

Transfer

Trans-Action

Cancel

4.4 Enter alpha numeric value and click on transfer

4.5 Enter decimal values and click on transfer.

4.6 Enter 1234 5678901 error message should be displayed.

4.7 Enter 1234 5678901 error message should be displayed.

4.8 Enter alpha numeric value and click on transfer

4.9 Enter decimal values and click on transfer.

AMOUNT TRANSFER

PAN

TAN

AMT

TRANSFER CANCEL

How To Write Functionality Test Case:

Object: For Another
Requirement Test Field

SNO	DESCRIPTION	INPUT	EXPECTED RESULT	ACTUAL RESULT	STATUS	COMM-ENTS
1.	Open the Browser Enter the test URL	http://citibank	welcome page should be displayed.			
2.	Login as User A with Valid Username and Valid password.	UN: abc PW: 123	Home Page Should be displayed.			
3.	Click on Amount transfer link.		Amount transfer page should be displayed following objects has to be displayed FAN text field, TAN text field, Amount transfer text field, Transfer text field and cancel text field.			
4.	Following are the steps to test FAN text field.					
4.1	Enter 10 digits Valid Account number and click on submit	Valid account number	Error message should not be displayed.			
4.2	Enter 9 digits account number and click on transfer	123456789	Error message Should be displayed.			
4.3	Enter 11 digits account number and click on transfer	12345678901	Error message should be displayed.			
4.4	Enter alpha numeric Value and click on transfer	1234567890A	Error message should be displayed.			
4.5	Enter decimal Values and click on transfer.	1234.567	Error message should be displayed.			

19/09/2020 (12:30 - 2:30pm).

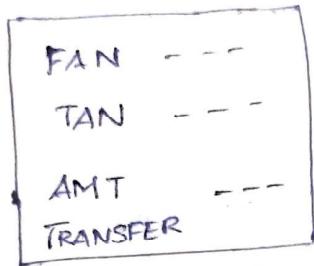
LESSONS LEARNT:

- ① Before you start writing the test cases you should come up with options and select best option.

OPTION - 1



OPTION - 2



↳ Majority to choose.

Here we go with Option 2
Because no of documents created is very less.

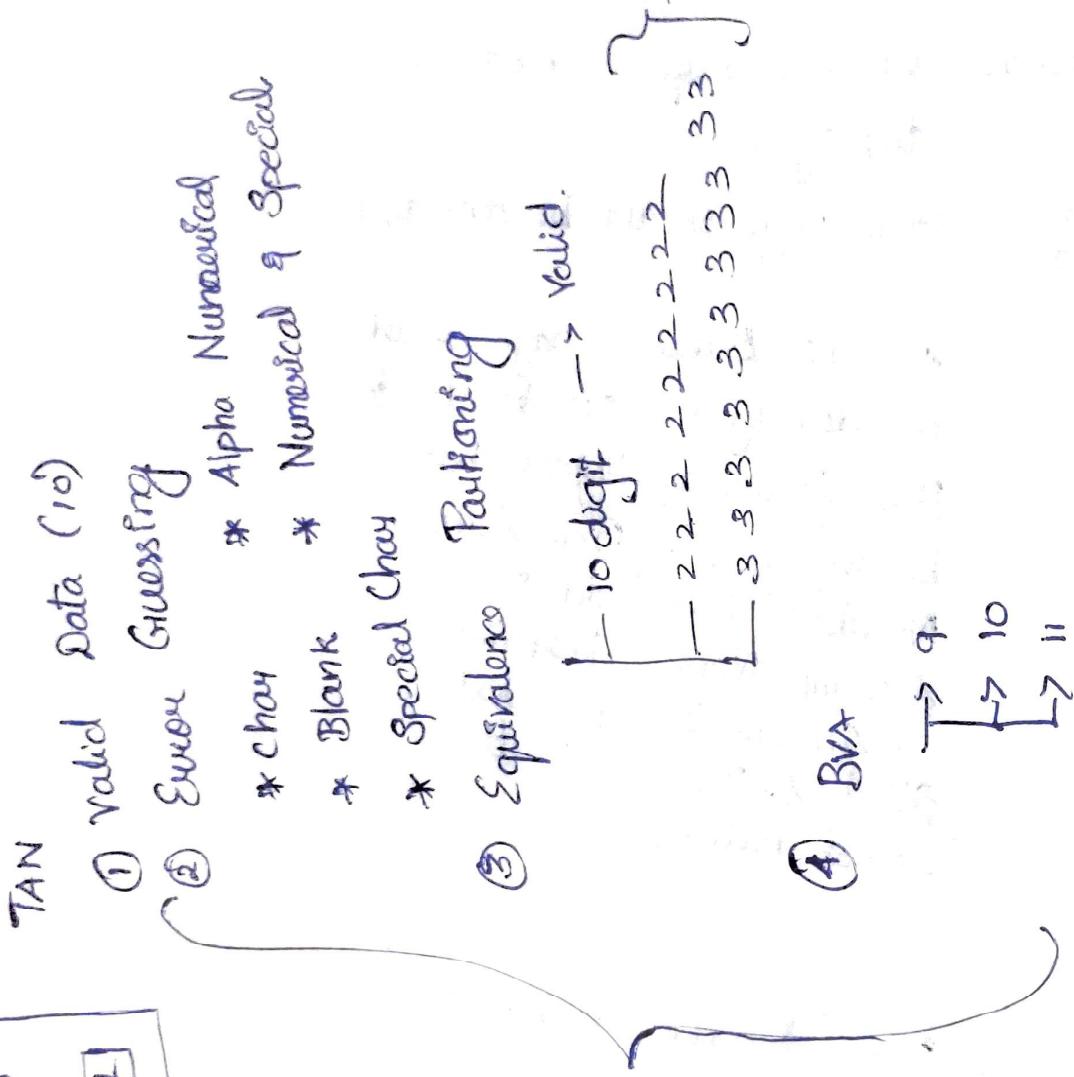
- ② Always start writing the test case with navigational steps.
- ③ Always use should be or must be in the expected result, never use might be, may be or can be.
- ④ Don't elaborate all the steps instead follow on one feature / component & elaborate that particular component.
- ⑤ Always write generic test case (easy) don't hardcore it.
- ⑥ If you organize the test cases properly then the number of steps will be reduced.

REQ:

Amount	TRANSFER
TAN	<input type="text"/>
AMOUNT	<input type="text"/>
[TRANSFER] [CANCEL]	

Optimize.

???



Functionality Test Cases

S.No	DESCRIPTION	INPUT	EXPECTED RESULT	ACTUAL RESULT	STATUS	COMMENT
1.	Open the Browser and Enter the test URL	https://citibank.com	Welcome page should be displayed.			
2.	Enter Valid UN and Valid PWD and click on login	UN: xyz123 PWD: abc123	Home page should be displayed			
3.	Click on Amount Transfer link					
4.	Following are the steps to test From Account Number text field.					
4.1	Enter Valid 10 digit Account Number into From Account Number text field		Valid Account Number	Valid Account Number	Appropriate Error message should not be displayed.	
4.2	Enter characters into from Account Number text field and click on Transfer Button		# abcd@effgji	Blank	Appropriate Error message should be displayed.	
4.3	Don't enter any Account Number in the From Account number text field and click on transfer button				Appropriate Error message should be displayed.	
4.4	Enter Special Characters into the from Account number text field		# \$%^&*\$%\$%		Appropriate Error message should be displayed.	

Enter Special Characters into the from Account number text field	# \$ % ^ & * !	Appropriate Error message should be displayed.
Enter Invalid 10 digit account number into from Account number Text field and click on transfer button	2.22222E+12	Appropriate Error message should be displayed.
Enter 9 digit Account Number and click on transfer button.	123456767	Appropriate Error message should be displayed.
Enter 11 digit Account Number and click on transfer button.	12345678901	Appropriate Error message should be displayed.
Following are the test cases to test To Account Number.	Valid 10 digit Account Number To Account Number	Error message should not be displayed.
Enter same account number into from account number and To account number text field		Appropriate Error message should be displayed.

FUNCTIONALITY TEST CASES

S.NO	DESCRIPTION	INPUT	EXPECTED RESULT	ACTUAL RESULT	STATUS	COMMENT
1.	Open the Browser and Enter the test URL		Welcome page should be displayed.			
2.	Enter Valid UN and Valid PWD and Click On login	UN: xyz123 PWD: abc123	Home page should be displayed			
3.	Click On Amount transfer link		Amount Transfer page should be displayed. In Amt transfer page following Objects has to be displayed 1. From Account Number Text field 2. To Account Number Text field 3. Amount Transfer text field 4. Transfer Button 5. Cancel Button.			
4.	Following are the steps to test From Account Number Text field.					
4.1	Enter Valid 10 digit Account Number into From Account Number Text field	Valid Account Number	Error Message should not be displayed.			
4.2	Enter characters into from Account Number Text field and click on transfer button	abcde1234567890	Appropriate Error message should be displayed.			
4.3	Don't enter any Account Number in the From Account Number text field and click on transfer button	Blank.	Appropriate Error message should be displayed.			
4.4	Enter Special Characters into the From Account number text field	# \$%^\$%^\$%^\$	Appropriate Error message should be displayed.			
4.5						
4.11	Enter Invalid 10 digit account number into From Account number Text field and click on transfer button	2.22222E+12	Appropriate Error message should be displayed.			
4.12	Enter 9 digit Account Number and click on transfer button.	123456767	Appropriate Error message should be displayed.			
4.13	Enter 11 digit Account Number and click on transfer button.	12345678901	Appropriate Error message should be displayed.			
5.	Following are the Test Cases to test To Account Number.	Valid data.	Error message should not be displayed.			
5.1	Enter Valid 10 digit Account Number into To Account Number Text field					
5.2						
5.17	Enter same account number into From account number and To account number text field		Appropriate Error message should be displayed.			

NO	DESCRIPTION	INPUT	EXPECTED RESULT	ACTUAL RESULT	STATUS	COMMENT
1	Following are the test cases to test Amount transfer Text field.					
1	Enter Valid Amount into Amount Text field and click on transfer button enter negative integer value into Amount text field, and	100	Appropriate Error message should be displayed.	Appropriate Error message should be displayed.	PASS	

Home Page should be displayed.
Amount should be transferred Only if all the data is valid.

- 1 Click on Cancel Button.
- 2 Click on Transfer Button.

APPROACH FOR WRITING FUNCTIONALITY TEST CASES:

1) Go to body of test cases and start with navigational steps.

2) Take 1st field.

- * Start with Valid data
- * Write error guessing Scenarios.
- * Write equivalence partitioning Scenarios.
- * Write BVA Scenarios.

③ Take 2nd Component

- * Start with Valid data
- * Write Error guessing Scenarios
- * Write Equivalence partitioning Scenarios
- * Write BVA Scenarios.

INTEGRATION TEST CASES:-

21/09/2020 (12:30 - 2:30 PM)

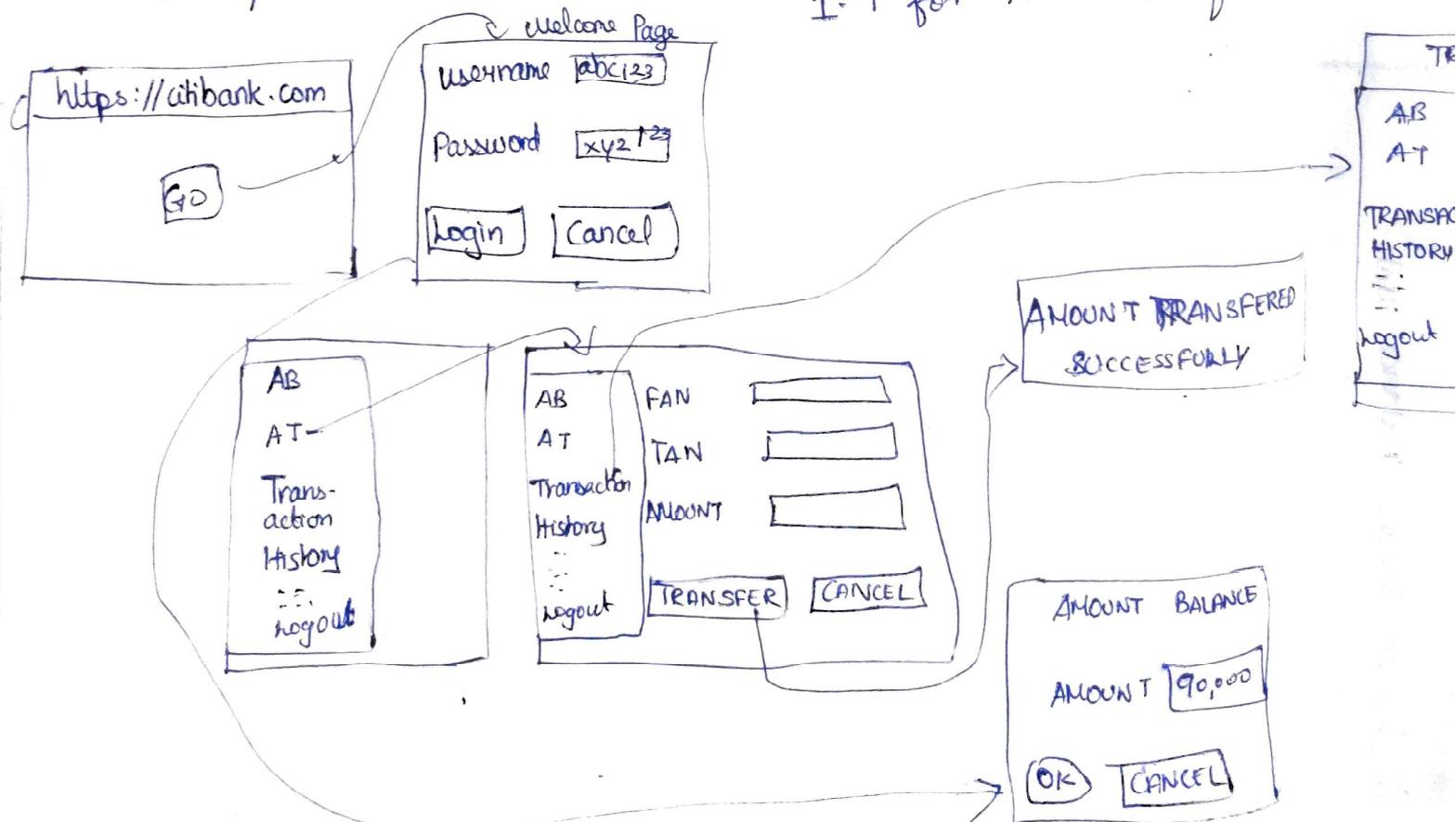
LESSONS LEARNT:-

- ① If something is covered in Functional Test Cases
Then don't cover it in IT test cases, If something is covered in IT test cases then don't cover it in System Test Cases.
- ② One Scenario can be of 1 test case or multiple test cases.
- ③ One Complete test case document can consist of multiple scenarios.

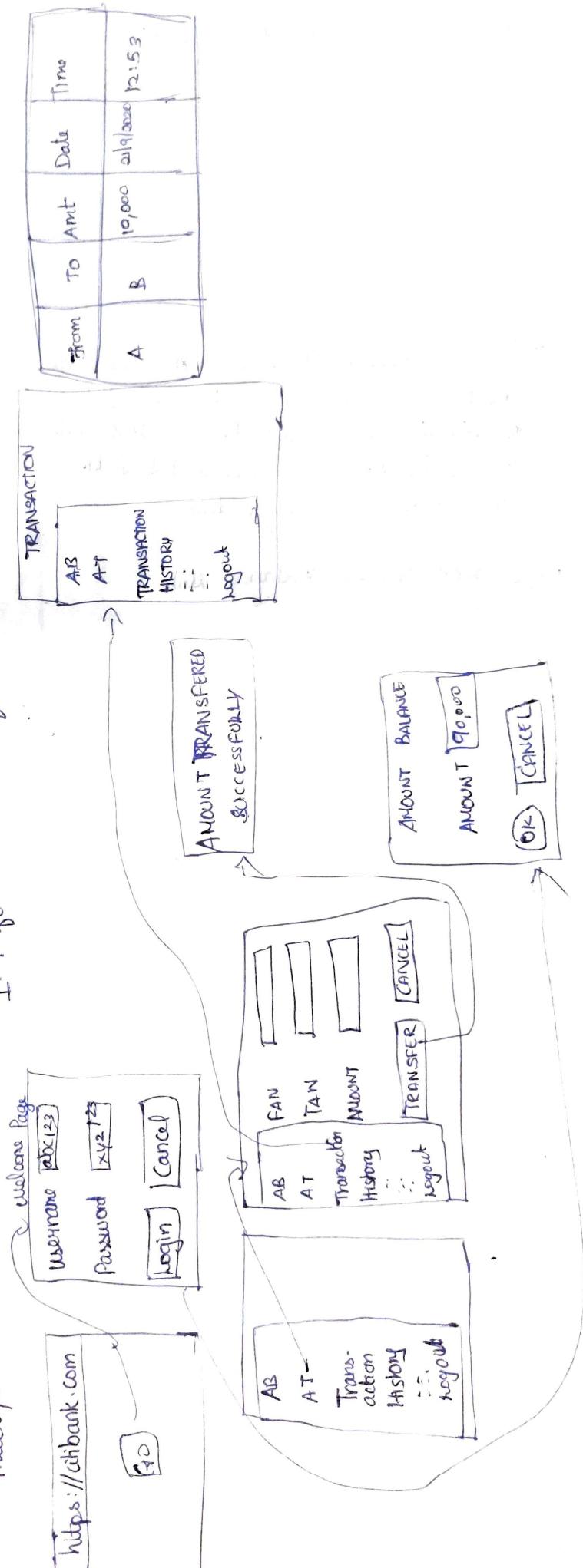
Scenario :: One Line description.

Test Case :: It is step by step description.

I.T for A Transfer feature



- ③ One complete test case document can consist of multiple Scenario : T-T for A Transfer feature.



INTEGRATION TEST CASES

Action / Description	INPUT	EXPECTED RESULT	ACTUAL RESULT	STATUS
Open the browser, enter the test URL	https://libbank.com	Welcome page should be displayed.		
Enter correct Username and password and click on login	Un: abc123 Pwd: xyz123	Home page should be displayed.		
) Click on Amount Transfer link		Amount Transfer Page should be displayed. The following objects has to be displayed a) From Account Number Field b) To Account Number Text field c) Amount Text field d) Transfer button e) Cancel button.		
) Enter A's Account Number in From Account Number text field and B's Account Number in To account Number text field and Enter 10,000 in Amount text field and click on Transfer Button.		Confirmation Page should be displayed.		
) Click on Amount Balance link.		A) Amount Balance Page should be displayed B) Balance Amount		

Enter A's Account Number in From Account Number text field and B's Account Number in To account Number text field
and Enter 10,000 in Amount text field and click on Transfer Button.

Click on Amount Balance link.

and click on transfer button.

5) click on Amount Balance Link

- a) Amount Balance Page Should be displayed
- b) Balance Amount

Should be equal to (old balance - Amount transferred)

6) click on Transaction Link

- a) Transaction Page Should be displayed
- b) In the transaction page transaction has to be recorded along with date and time.

Welcome page should be displayed.

UN: jk901
PWD: srt123

7) click on logout link

Home page should be displayed.

8) click on Amount Balance Link

- a) Amount Balance Page Should be displayed
- b) Balance Amount should be equal to (old balance - Amount transferred)

9) click on Transaction Link

- a) Transaction Page Should be displayed
- b) In the transaction page the transaction has to be recorded along with date and time.

INTEGRATION TEST CASES

S.No	ACTION / DESCRIPTION	INPUT	EXPECTED RESULT	ACTUAL RESULT	STATUS	COMMENTS
1)	Open the browser, enter the test URL		Welcome page should be displayed.			
2)	Enter Correct UserName and password and click on login	UN: abc123 Pwd: xyz123	Home page should be displayed.			
3)	click on Amount transfer link		Amount transfer Page should be displayed. The following Objects has to be displayed a) From Account Number text Field b) To Account Number text field c) Amount Text field d) Transfer button e) Cancel button.			
4)	Enter A's Account Number in From Account Number text field and B's Account Number in To account Number text field and Enter 10,000 in Amount text Field and click on transfer Button.		Confirmation Page Should be displayed.			
5)	click on Amount Balance Link.			A) Amount Balance Page Should be displayed B) Balance Amount		
6)	click on Transaction Link			Should be equal to (Old balance - Amount transferred)		
7)	click on logout link			A) Transaction Page should be displayed. B) In the transaction page the transactions has to be recorded along with date and time.		
8)	Enter Correct UserName and Password of B and click on login.	UN: ijk901 Pwd: srt123	Welcome page should be displayed.	Home page should be displayed.		
9)	click on Amount Balance Link			A) Amount Balance page should be displayed. B) Balance Amount should be equal to (old balance - Amount transferred)		
10)	click on Transaction Link			A) Transaction Page Should be displayed B) In the transaction page, the transaction has to be recorded along with date and time.		

HEADER OF TEST CASES..

1) TEST CASE NAME::

Eg: CBO - Amount Transfer - From Account Number

→ Project Name

CBO → Company name

→ Module Name

Amount Transfer → Component name

→ Component Name.

→ Scenarios.

2) REQ. NO ::

Req. Id which is mentioned in test management tools.

Eg: 30.1.2 → Amount Transfer / From Account Number:

3) PRE CONDITION:

It is a set of action or settings that has to be performed before executing ^{test case} step no 21

Eg: Before Executing Amount Transfer Scenarios, first check the balance of User A and User B.

4) TEST DATA: (Use a input for Test case)

- * You will Create
- * you will depend on someone else for the test data

A) You Will CREATE:

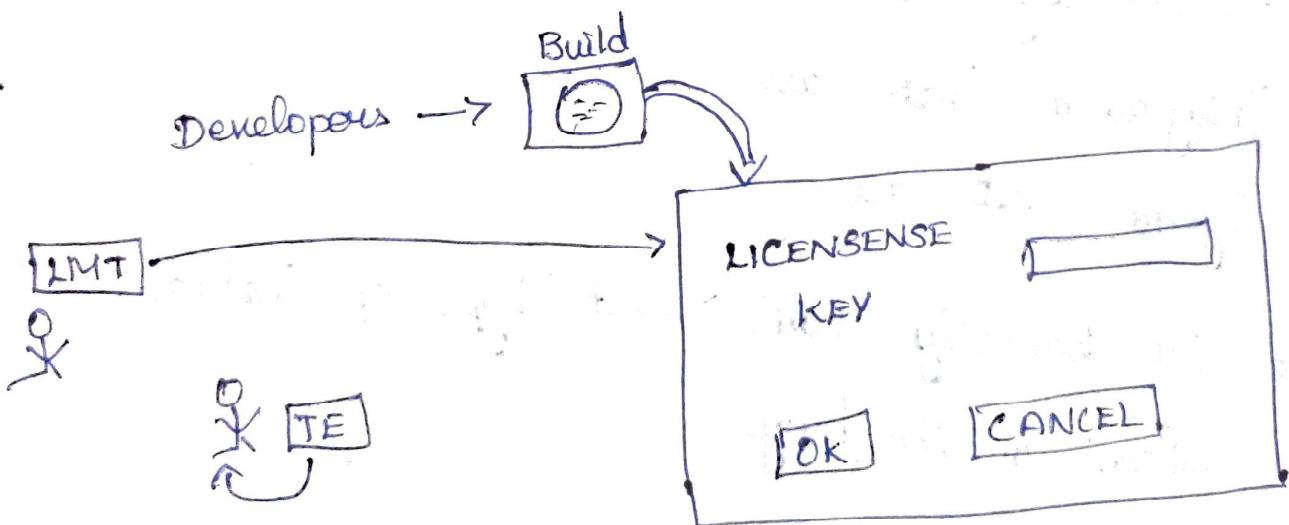
Eg.: Gmail, Facebook, Whatsapp, Twitter, Flipkart, OLA, Uber.

B) You Will DEPEND ON SOMEONE ELSE FOR THE TEST DATA

(DEVELOPERS, CUSTOMER):

Eg.: In Flipkart TE has to test the Credit Card feature. Here TE cannot use his own credit card, so he will request the manager of Flipkart to provide dummy credit card. Here TE depends on Customer for Test Data.

Eg 2::



23/09/2020 (12:30pm - 2:30pm)

How To Manage Test Data :-

- ① It is a painful job but still we create the test data manually.
- ② In some Projects we write Automation scripts for Creating the test data when ever new build comes we run the script it creates data and sends the mail to every test engineer.

SEVERITY :- Severity

Writing Severity helps Prioritizing the Execution
(Critical, Major, Minor)

TEST CASE TYPES :-

* Functionality Test Case * Smoke Test Case

* Integration Test Case

* System Test Case

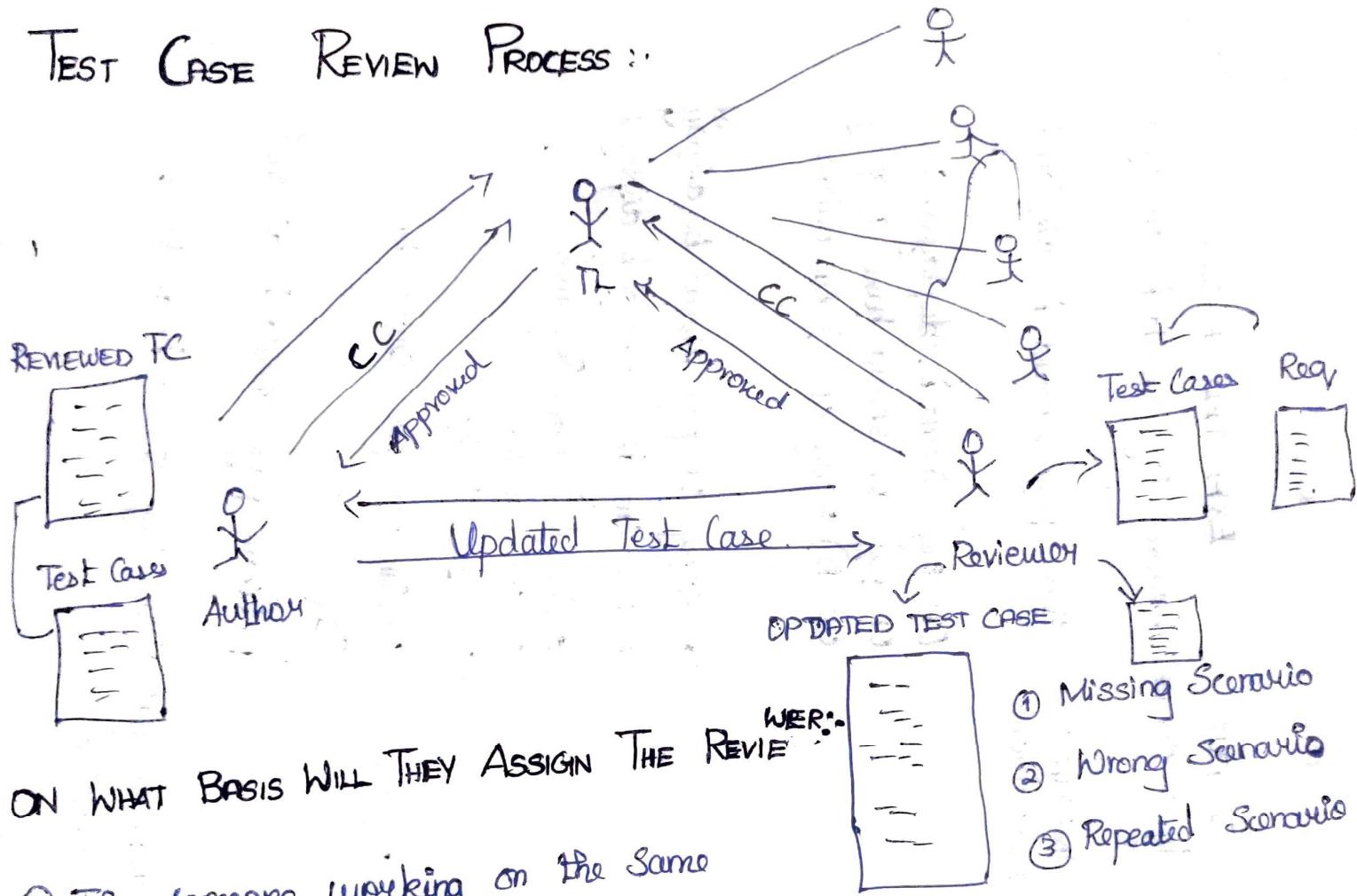
Here we Basically write what type of Test Case we have written in the body.

FOOTER OF TEST CASES:-

AUTHOR :- Bhushan

REVIEW :- Sunny Leone.

TEST CASE REVIEW PROCESS :-



ON WHAT BASIS WILL THEY ASSIGN THE REVIEWER

- ① If someone working on the same module.
- ② If someone has already worked on the same module.
- ③ There is a senior Test Engineer working on the project since beginning, as he knows every corner of the product.
- ④ A person who is highly responsible, if the test cases are given definitely he will find many bugs.

System Testing Test Cases

S.No	Description	Input	Expected Result	Actual Result	Comments
1.	Open the Browser and Enter the test URL	https://citibank.com	Welcome Page should be displayed.	Home page should be displayed.	
2.	Enter Valid UN and Valid Pwd and click on login	UN : xyz123 pwd : abc123	OD Page should be displayed. In OD page we should have a) apply b) Repay OD c) OD balance.	OD Page should be displayed. In OD page we should have a) apply b) Repay OD c) OD balance.	
3.	Click on OD link				
4.	The following are the steps to test the OD feature.		a) Apply OD page should be displayed. b) Following items should be displayed 1. Amount Transfer Text Field 2. Apply Button 3. cancel Button.		
5.	click on 'Apply' OD link				
6.	Enter amount in amount transfer text field and click on Apply button.	amount : 20,000	confirmation page should be displayed.	confirmation page should be displayed.	
7.	Logout (Click on Logout Link)		Welcome page should be displayed.	Welcome page should be displayed.	
8.	Login as Manager with Valid UN and Password.	UN : Sunny123 pwd : robert123	Home Page should be displayed.	Home Page should be displayed.	
9.	click on Pending OD link		Pending OD page should be displayed.	Pending OD page should be displayed.	

click on Pending OD link
click on Approve check box of A's
OD and then click on Approve
Button.
Logout (click on logout link)
login as User A with Valid UN and
Password.

click on OD link , click on
OD Balance
Logout (click on logout link)

change the Session date
login as Manager with Valid UN
and password

click on deposit and deposit 29650
to User A account and click
on deposit button

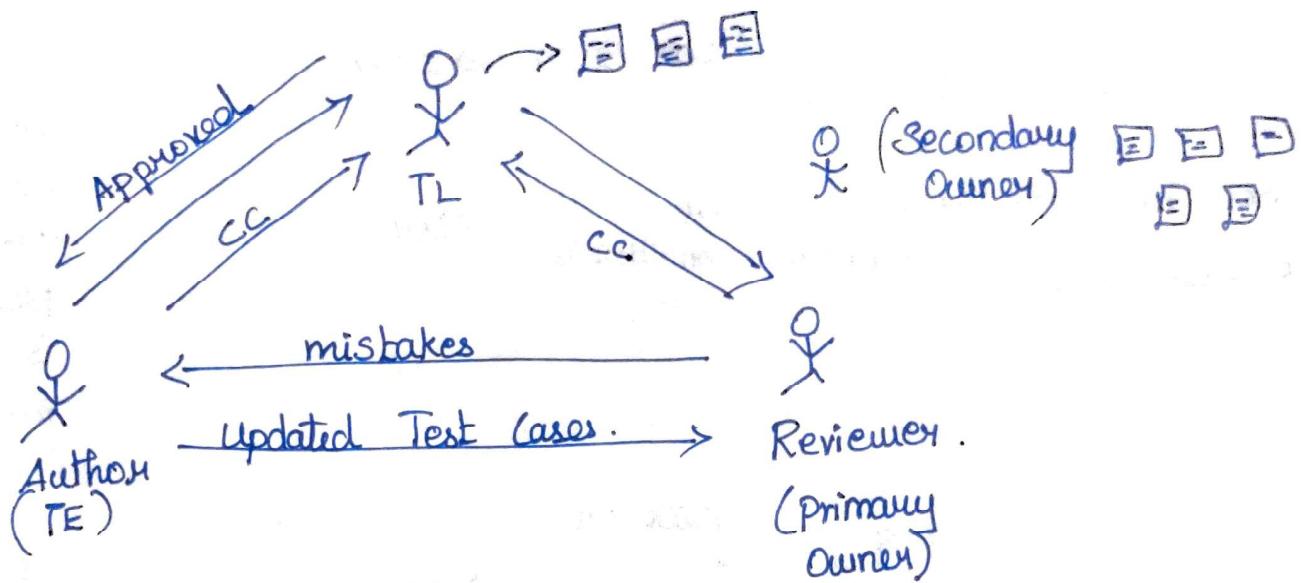
click on Pending OD link click on Approve check box of A's OD and then click on Approve Button. Logout (click on logout link) login as User A with Valid UN and Password.	UN : xyz123 pwd : abc123	Pending OD page should be displayed. Confirmation page should be displayed. Welcome page should be displayed.	Home page should be displayed.
click on OD link , click on OD Balance Logout (click on logout link)	UN : xyz123 pwd : abc123	OD Balance Page should be displayed in the OD Balance Page, the Balance should be 20,000	Welcome page should be displayed.
change the Session date login as Manager with Valid UN and password	UN : sunny123 pwd : robert123	Home page should be displayed.	Confirmation page should be displayed.
click on deposit and deposit 29650 to User A account and click on deposit button	29650 "A"		

SYSTEM TESTING TEST CASES

S.NO	DESCRIPTION	INPUT	EXPECTED RESULT	ACTUAL RESULT	STATUS	COMMENTS
1.	Open the Browser and Enter the test URL	https://cibbank.com	Welcome Page should be displayed			
2.	Enter Valid UN and Valid Pwd and click on login	UN : xyz123 Pwd : abc123	Home page should be displayed.			
3.	Click on OD Link					
4.	The Following are the steps to test the OD feature		OD Page should be displayed. In OD page we should have a) apply OD b) Repay OD c) OD balance.			
5.	click on 'Apply' OD link					
6.	Enter Amount in amount transfer text field and click on Apply button.	Amount : 20,000	a) Apply OD page should be displayed b) Following items should be displayed 1. Amount transfer Text Field 2. Apply Button 3. cancel Button.			
7.	Logout (click on Logout link)		Confirmation page should be displayed.			
8.	Login as Manager with Valid UN and Password.	UN : Sunny123 Pwd : robert123	Welcome page should be displayed.			
9.	Click on Pending OD Link		Pending OD page should be displayed.			
10.	Click on Approve check box of A's OD and then Click on Approve Button.		Confirmation page should be displayed.			
11.	Logout (click on Logout link)		Welcome page should be displayed.			
12.	Login as User A with Valid UN and Password.	UN : XYZ123 Pwd : abc123	Home page should be displayed.			
13.	Click on OD Link, click on OD Balance		OD Balance Page should be displayed in the OD Balance Page, the Balance should be 20,000			
14.	Logout (click on Logout link)		Welcome page should be displayed.			
15.	Change the Server date					
16.	Login as Manager with Valid UN and password	UN : Sunny123 Pwd : robert123	Home page should be displayed.			
17.	Click on deposit and deposit 20,650 to User A account and click on deposit button	20,650 "A"	Confirmation page should be displayed.			

No	DESCRIPTION	INPUT	EXPECTED RESULT	ACTUAL RESULT	STATUS	COMM - TS
18	Logout (Click on logout link)		Welcome Page Should be displayed.			
19	Login as User A with UN and Password.	UN::xyz123 Pwd :: abc123	Homepage Should be displayed.			
20	Click on DD link, click on Pay now button, click on Pay Now button.		Ropay OD page should be displayed.			
21	Enter the amount 20,650 and click on Ropay OD Button.		Confirmation Page should be displayed.			
22	Click on Click on Balance		OD Balance should be displayed "100000000"			

PRIMARY OWNER & SECONDARY OWNER:



REVIEW ETHICS:- (REVIEWER)

- Always Review the Content not the [Reviewer] Author
[don't take it personally].
- While Reviewing the test cases spend time in Identifying the mistakes not the solution.
- Even after reviewing the test cases if there are any mistakes then Both Author & the Reviewer is responsible
 \downarrow
 (PO, SO, TL)

TEST CASE REVIEW TEMPLATE

TEST CASE NAME	STEP NO	REVIEWER	AUTHOR	COMMENTS
		COMMENTS	SEVERITY	
CBO - AT - more than Pre - balance	Condition	Pre - Condition is missing	Major	Not Fixed. Give Justification on saying pre condition is not needed for this
	8	click On "Back Button" step is missing	Minor	Fixed .
CBO - Insurance - Age field Validation (5 - 55)	10	Insufficient test Cases - age Apply test Case design techniques and derive the following Values -5b, 4, 10 years, 10-5	critical	Fixed

- ① I Give you few Test Cases what is your approach to review test cases?
- ② What kind of mistakes will you find while Reviewing test cases?

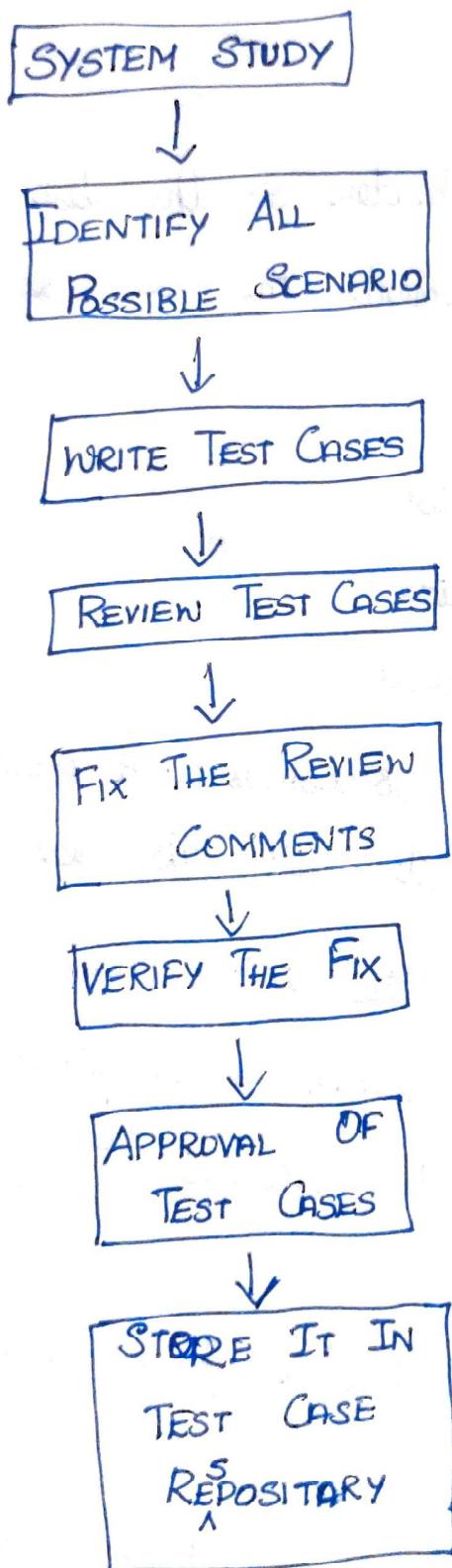
ANSWERS:

- * I'll look into the header of the test cases and try to understand for which Requirements the test cases were written.
Then I will try to find
 - Missing Scenarios
 - Wrong Scenarios
 - Repeated Scenarios
- * I will check whether scenarios are organized properly or not, so that when executed it will take less time.
- * I will check whether the test cases are simple to understand or not, so that when it is given to a new engineer he should be able to execute it ~~whether~~ without any questions or queries.
- * I will look into the header of the test cases & try to check whether
 - A) All the attributes are covered or not
 - B) I will check whether attributes are covered with full content or not.

c) I will check whether test case format according to the standard defined in the project.

25/09/2020 (12:40pm - 2:30pm)

PROCEDURE TO WRITE THE TEST CASES:-



SYSTEM STUDY

Understand the requirement
Read the requirement
if you have any questions or queries try to contact
development team, testing team, customer, client and

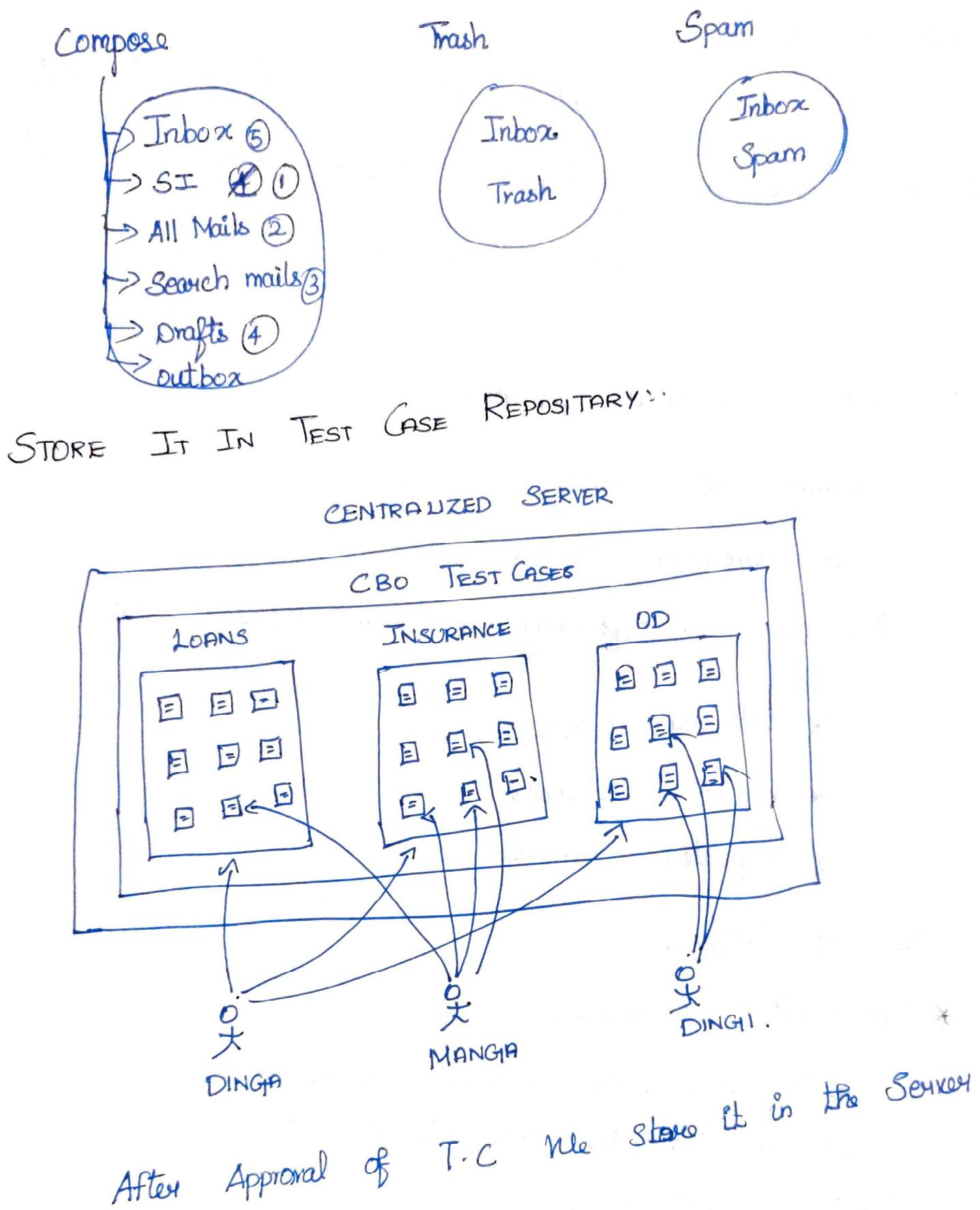
IDENTIFY ALL POSSIBLE SCENARIOS:

- Identify All possible Scenarios.
- Brain Stroming Sessions
- Measure the Efficiency of brain stroming session.
 - * Missing Scenarios
 - * Wrong Scenarios
 - * Repeated Scenarios.

WRITE TEST CASES:

- * Documented Scenario.
 - A) Group all the related Scenarios
 - B) Prioritize the grouped scenarios
- * Write the test Cases.

- A) Navigational Steps
- B) Test Case Design Techniques.
- C) Use Standard ^{T.C} Template.



09/12/2020 (12:30-1:30pm)

STAGE 1: PROCEDURE To Execute Test Cases

SRS

<input type="radio"/>	Bal - Amount transfer
<input type="radio"/>	Bal - Insurance

ADD REQUIREMENT

Req No	30.1 Amount transfer
Description	<input type="text"/>
<input type="button" value="Submit"/>	<input type="button" value="Cancel"/>

TEST CASE NAME CBO - AC All Scenarios

Req No	30.1 AT
Test Data	<input type="text"/>

Input ER APIS C

S.NO	Description	Input	ER	APIS	C
1	<input type="text"/>				
2	<input type="text"/>				

ADD TEST CASE CBO - AT - All Scenarios

Req No	30.1 Amount transfer
Test Data	<input type="text"/>

Input ER APIS C

S.NO	Description	Input	ER	APIS	C
1	<input type="text"/>				
2	<input type="text"/>				

TEST CASE LIST

Req No	Description	edit	Delete
30.1 Amount transfer	CBO - AT - All Scenarios	<input type="button" value="edit"/>	<input type="button" value="Delete"/>
30.2 Insurance	CBO - Inc - Age Field Valid	<input type="button" value="edit"/>	<input type="button" value="Delete"/>

→



TEST EXECUTION REPORT - SPRINT - B01

S.No	Req. No	Test Case Name	Status	Pass Count	Fail Count	Comment
1	30-1 AT	CBO_AT-All Scenarios	fail	0	1	
2	31-1 Ins	CBO_INS - Age Field Valid	pass	1	0	
300	Total			1980	20	

TEST CASE NAME CBO- AT-All Scenarios

Req. No

1
2
3
4

S.NO	Description	FR	Status	Comments
1	open		Pass ✓	
2	login		Pass ✓	
3	amount TR		Pass ✓	
4	Transfer		Pass ✓	

Submit

TEST CASE NAME CBO - Age Field Valid

Req. No

1
2
3

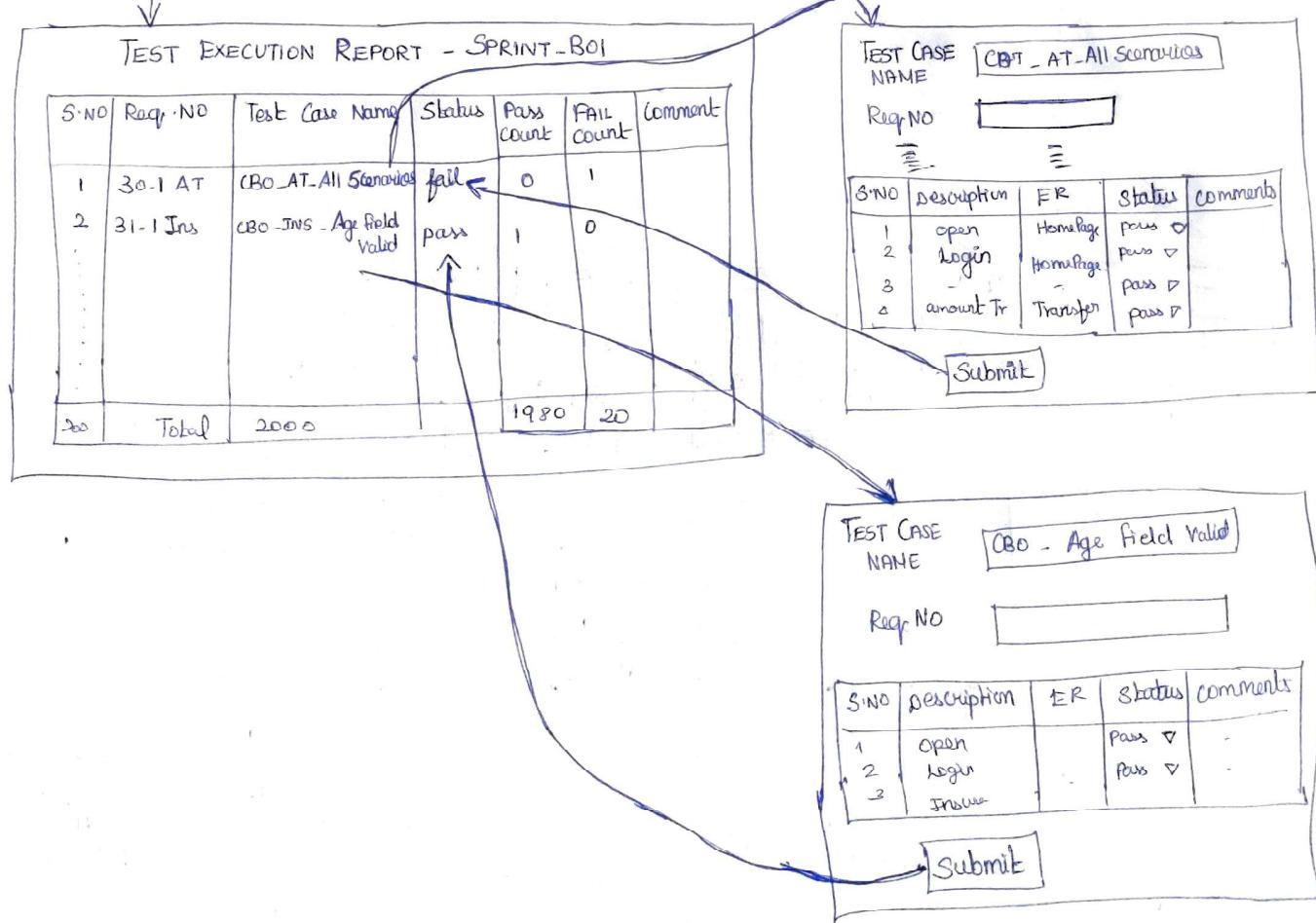
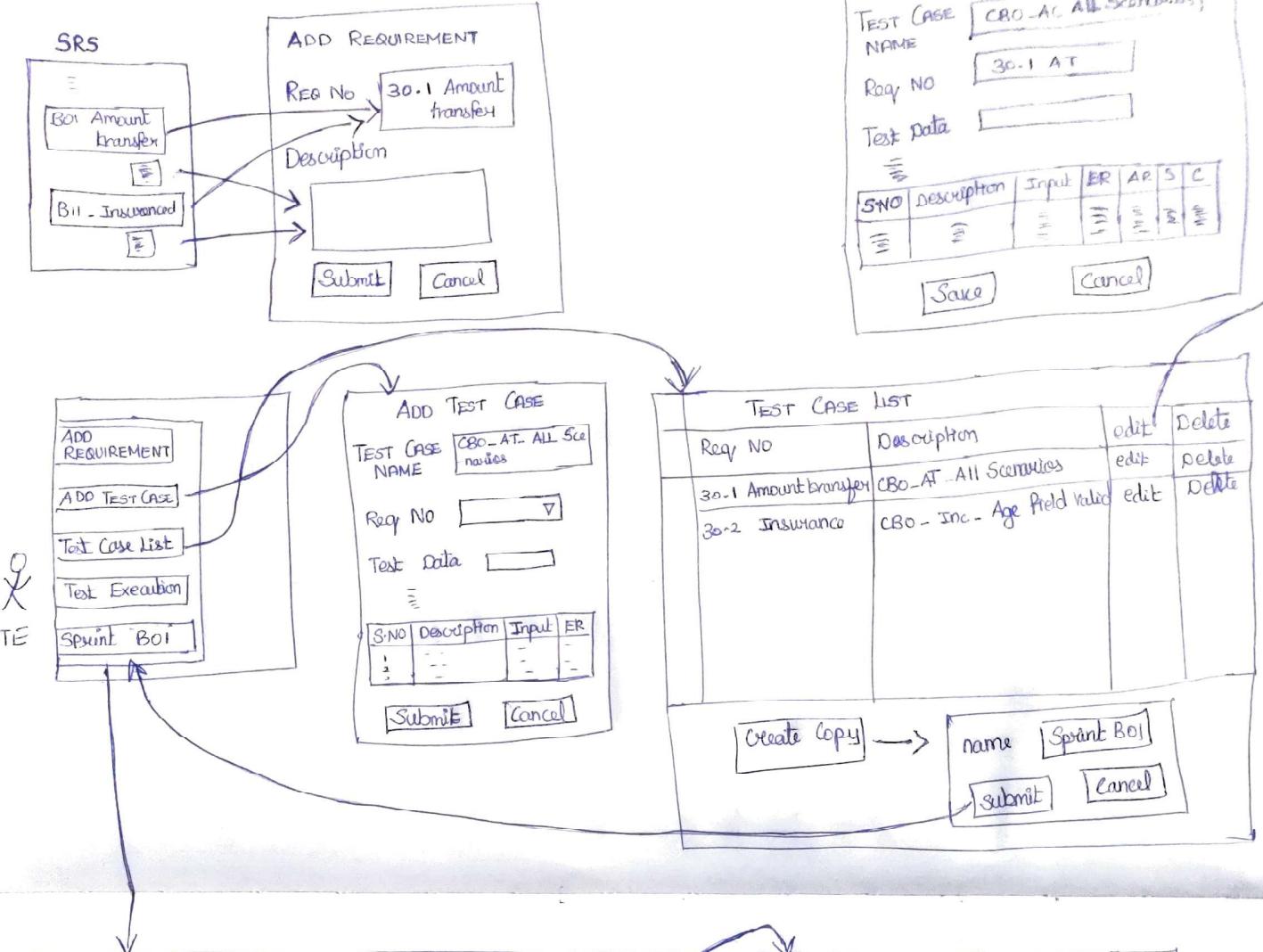
S.NO	Description	FR	Status	Comments
1	open		Pass ✓	
2	login		Pass ✓	
3	Transfer		Pass ✓	

Submit

26/09/2020 (12:30-1:30pm)

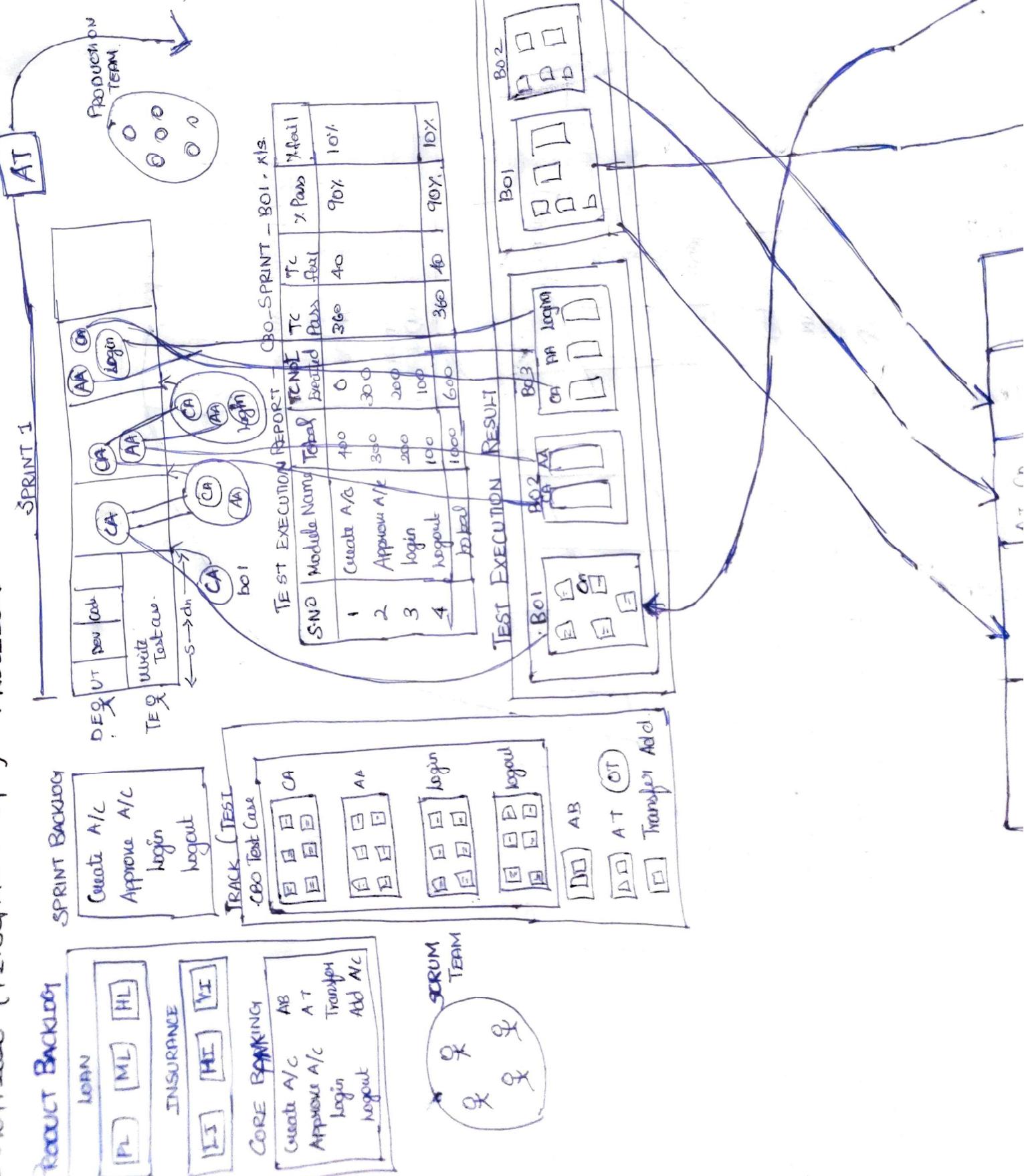
PROCEDURE To EXECUTE TEST CASES

STAGE 1::



2020 log | 2020 (12:30pm - 2:30pm)

PROCEDURE To EXECUTE TEST CASES

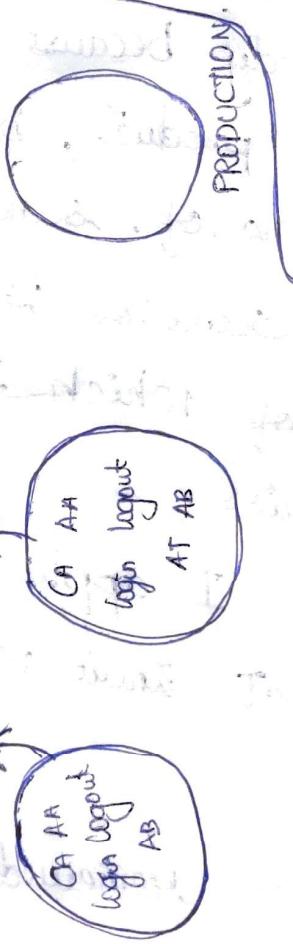


SPRINT BACKLOG

AB	AT	Transfer	Add A/c
----	----	----------	---------

DE

TE



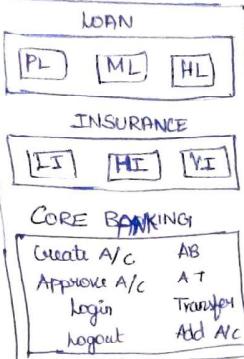
S.N.O	Test Case Name	Status	Comments
1	CB0-On_Bal	Pass	-
2	CB1-On_Bal	Fail	-
3	CB2-On_Bal	Pass	-
4	CB3-On_Bal	Pass	-
5	CB4-On_Bal	Fail	-
6	CB5-On_Bal	Pass	-
7	CB6-On_Bal	Pass	-
8	CB7-On_Bal	Fail	-
9	CB8-On_Bal	Pass	-
10	CB9-On_Bal	Pass	-
11	CB10-On_Bal	Fail	-
12	CB11-On_Bal	Pass	-
13	CB12-On_Bal	Pass	-
14	CB13-On_Bal	Fail	-
15	CB14-On_Bal	Pass	-
16	CB15-On_Bal	Pass	-
17	CB16-On_Bal	Fail	-
18	CB17-On_Bal	Pass	-
19	CB18-On_Bal	Pass	-
20	CB19-On_Bal	Fail	-
21	CB20-On_Bal	Pass	-
22	CB21-On_Bal	Pass	-
23	CB22-On_Bal	Fail	-
24	CB23-On_Bal	Pass	-
25	CB24-On_Bal	Pass	-
26	CB25-On_Bal	Fail	-
27	CB26-On_Bal	Pass	-
28	CB27-On_Bal	Pass	-
29	CB28-On_Bal	Fail	-
30	CB29-On_Bal	Pass	-
31	CB30-On_Bal	Pass	-
32	CB31-On_Bal	Fail	-
33	CB32-On_Bal	Pass	-
34	CB33-On_Bal	Pass	-
35	CB34-On_Bal	Fail	-
36	CB35-On_Bal	Pass	-
37	CB36-On_Bal	Pass	-
38	CB37-On_Bal	Fail	-
39	CB38-On_Bal	Pass	-
40	CB39-On_Bal	Pass	-
41	CB40-On_Bal	Fail	-
42	CB41-On_Bal	Pass	-
43	CB42-On_Bal	Pass	-
44	CB43-On_Bal	Fail	-
45	CB44-On_Bal	Pass	-
46	CB45-On_Bal	Pass	-
47	CB46-On_Bal	Fail	-
48	CB47-On_Bal	Pass	-
49	CB48-On_Bal	Pass	-
50	CB49-On_Bal	Fail	-
51	CB50-On_Bal	Pass	-
52	CB51-On_Bal	Pass	-
53	CB52-On_Bal	Fail	-
54	CB53-On_Bal	Pass	-
55	CB54-On_Bal	Pass	-
56	CB55-On_Bal	Fail	-
57	CB56-On_Bal	Pass	-
58	CB57-On_Bal	Pass	-
59	CB58-On_Bal	Fail	-
60	CB59-On_Bal	Pass	-
61	CB60-On_Bal	Pass	-
62	CB61-On_Bal	Fail	-
63	CB62-On_Bal	Pass	-
64	CB63-On_Bal	Pass	-
65	CB64-On_Bal	Fail	-
66	CB65-On_Bal	Pass	-
67	CB66-On_Bal	Pass	-
68	CB67-On_Bal	Fail	-
69	CB68-On_Bal	Pass	-
70	CB69-On_Bal	Pass	-
71	CB70-On_Bal	Fail	-
72	CB71-On_Bal	Pass	-
73	CB72-On_Bal	Pass	-
74	CB73-On_Bal	Fail	-
75	CB74-On_Bal	Pass	-
76	CB75-On_Bal	Pass	-
77	CB76-On_Bal	Fail	-
78	CB77-On_Bal	Pass	-
79	CB78-On_Bal	Pass	-
80	CB79-On_Bal	Fail	-
81	CB80-On_Bal	Pass	-
82	CB81-On_Bal	Pass	-
83	CB82-On_Bal	Fail	-
84	CB83-On_Bal	Pass	-
85	CB84-On_Bal	Pass	-
86	CB85-On_Bal	Fail	-
87	CB86-On_Bal	Pass	-
88	CB87-On_Bal	Pass	-
89	CB88-On_Bal	Fail	-
90	CB89-On_Bal	Pass	-
91	CB90-On_Bal	Pass	-
92	CB91-On_Bal	Fail	-
93	CB92-On_Bal	Pass	-
94	CB93-On_Bal	Pass	-
95	CB94-On_Bal	Fail	-
96	CB95-On_Bal	Pass	-
97	CB96-On_Bal	Pass	-
98	CB97-On_Bal	Fail	-
99	CB98-On_Bal	Pass	-
100	CB99-On_Bal	Pass	-

S.N.O	description	Total TC	TC Executed	TC Not Executed	% Pass	% Fail
		TC	TC Executed	TC Not Executed	Pass	Fail
1	Create A/c	400	600	400	-	-
2	Approve A/c	600	700	600	-	-
3	Login	900	900	900	-	-
4	Logout	300	400	300	-	-
5	AB	400	100	400	-	-
6	AT	100	100	100	-	-
7	Transaction	50	50	50	-	-
8	Add A/c	50	50	50	-	-
Summary	Create A/c	400	600	400	-	-
	Approve A/c	600	700	600	-	-
	Login	900	900	900	-	-
	Logout	300	400	300	-	-
	AB	400	100	400	-	-
	AT	100	100	100	-	-
	Transaction	50	50	50	-	-
	Add A/c	50	50	50	-	-

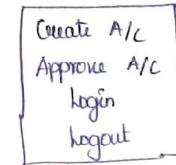
S.N.O	Test Case Name	Status	Comments
1	CB0-On_Bal	Pass	-
2	CB1-On_Bal	Fail	-
3	CB2-On_Bal	Pass	-
4	CB3-On_Bal	Pass	-
5	CB4-On_Bal	Fail	-
6	CB5-On_Bal	Pass	-
7	CB6-On_Bal	Pass	-
8	CB7-On_Bal	Fail	-
9	CB8-On_Bal	Pass	-
10	CB9-On_Bal	Pass	-
11	CB10-On_Bal	Fail	-
12	CB11-On_Bal	Pass	-
13	CB12-On_Bal	Pass	-
14	CB13-On_Bal	Fail	-
15	CB14-On_Bal	Pass	-
16	CB15-On_Bal	Pass	-
17	CB16-On_Bal	Fail	-
18	CB17-On_Bal	Pass	-
19	CB18-On_Bal	Pass	-
20	CB19-On_Bal	Fail	-
21	CB20-On_Bal	Pass	-
22	CB21-On_Bal	Pass	-
23	CB22-On_Bal	Fail	-
24	CB23-On_Bal	Pass	-
25	CB24-On_Bal	Pass	-
26	CB25-On_Bal	Fail	-
27	CB26-On_Bal	Pass	-
28	CB27-On_Bal	Pass	-
29	CB28-On_Bal	Fail	-
30	CB29-On_Bal	Pass	-
31	CB30-On_Bal	Pass	-
32	CB31-On_Bal	Fail	-
33	CB32-On_Bal	Pass	-
34	CB33-On_Bal	Pass	-
35	CB34-On_Bal	Fail	-
36	CB35-On_Bal	Pass	-
37	CB36-On_Bal	Pass	-
38	CB37-On_Bal	Fail	-
39	CB38-On_Bal	Pass	-
40	CB39-On_Bal	Pass	-
41	CB40-On_Bal	Fail	-
42	CB41-On_Bal	Pass	-
43	CB42-On_Bal	Pass	-
44	CB43-On_Bal	Fail	-
45	CB44-On_Bal	Pass	-
46	CB45-On_Bal	Pass	-
47	CB46-On_Bal	Fail	-
48	CB47-On_Bal	Pass	-
49	CB48-On_Bal	Pass	-
50	CB49-On_Bal	Fail	-
51	CB50-On_Bal	Pass	-
52	CB51-On_Bal	Pass	-
53	CB52-On_Bal	Fail	-
54	CB53-On_Bal	Pass	-
55	CB54-On_Bal	Pass	-
56	CB55-On_Bal	Fail	-
57	CB56-On_Bal	Pass	-
58	CB57-On_Bal	Pass	-
59	CB58-On_Bal	Fail	-
60	CB59-On_Bal	Pass	-
61	CB60-On_Bal	Pass	-
62	CB61-On_Bal	Fail	-
63	CB62-On_Bal	Pass	-
64	CB63-On_Bal	Pass	-
65	CB64-On_Bal	Fail	-
66	CB65-On_Bal	Pass	-
67	CB66-On_Bal	Pass	-
68	CB67-On_Bal	Fail	-
69	CB68-On_Bal	Pass	-
70	CB69-On_Bal	Pass	-
71	CB70-On_Bal	Fail	-
72	CB71-On_Bal	Pass	-
73	CB72-On_Bal	Pass	-
74	CB73-On_Bal	Fail	-
75	CB74-On_Bal	Pass	-
76	CB75-On_Bal	Pass	-
77	CB76-On_Bal	Fail	-
78	CB77-On_Bal	Pass	-
79	CB78-On_Bal	Pass	-
80	CB79-On_Bal	Fail	-
81	CB80-On_Bal	Pass	-
82	CB81-On_Bal	Pass	-
83	CB82-On_Bal	Fail	-
84	CB83-On_Bal	Pass	-
85	CB84-On_Bal	Pass	-
86	CB85-On_Bal	Fail	-
87	CB86-On_Bal	Pass	-
88	CB87-On_Bal	Pass	-
89	CB88-On_Bal	Fail	-
90	CB89-On_Bal	Pass	-
91	CB90-On_Bal	Pass	-
92	CB91-On_Bal	Fail	-
93	CB92-On_Bal	Pass	-
94	CB93-On_Bal	Pass	-
95	CB94-On_Bal	Fail	-
96	CB95-On_Bal	Pass	-
97	CB96-On_Bal	Pass	-
98	CB97-On_Bal	Fail	-
99	CB98-On_Bal	Pass	-
100	CB99-On_Bal	Pass	-

28/09/2020 (12:30pm - 2:30pm) PROCEDURE TO EXECUTE TEST CASES

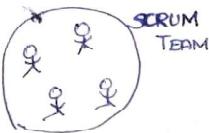
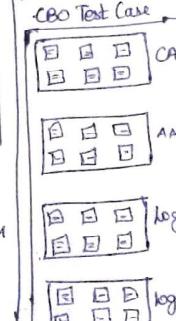
PRODUCT BACKLOG



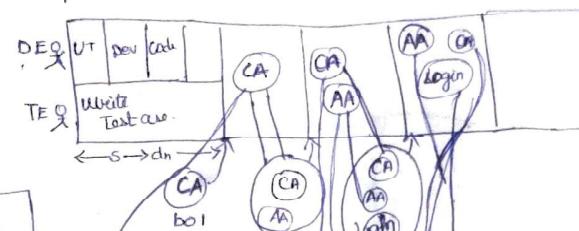
SPRINT BACKLOG



TRACK (TEST)



SPRINT 1



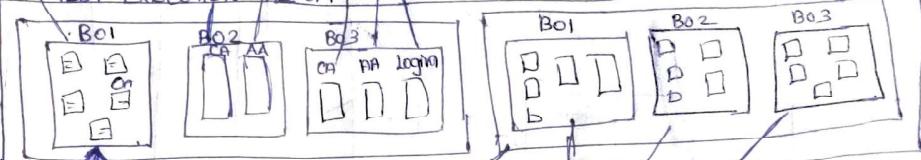
AT



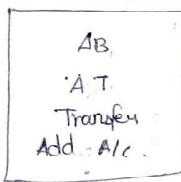
TEST EXECUTION REPORT - CBO-SPRINT - BO1.xls

SNO	Module Name	Total	TC Executed	TC Pass	Tc fail	% Pass	% fail
1	Create A/c	400	0	360	40	90%	10%
2	Approve A/c	300	300	200	100	66.67%	33.33%
3	Login	200	200	180	20	90%	10%
4	Logout	100	100	90	10	90%	10%
	Total	1000	600	360	10	90%	10%

TEST EXECUTION RESULT

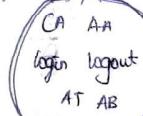
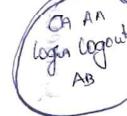
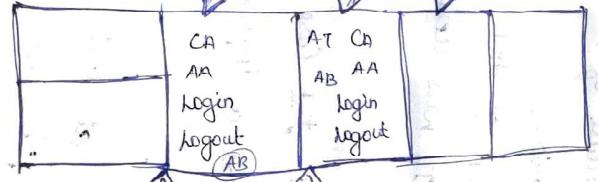


SPRINT BACKLOG



DE

TE



SNO	Test Case Name	Status	Comments
1	CBO-CA-Bo1	Pass	-
2	-	Fail	-
3	-	Pass	-
4	-	Pass	-
5	-	Fail	-
400			

SNO.	description	Total TC	TC Executed	Tc Note Executed	TC Pass	TC fail	% Pass	% fail
1	Create A/c	400						
2	Approve A/c	600						
3	Login	700						
4	Logout	900						
5	AB	300						
6	AT	400						
7	Transaction	100						
8	Add A/c	50						
Summary		Create A/c	APPROM A/c	Login	Logout			

How Do You ENSURE THAT Your TEST COVERAGE Is Good??

① My Test Coverage is good because my test Cases are good. My Test Cases are good because I followed strict procedure to write the test Cases.

I followed strict Procedure Means :

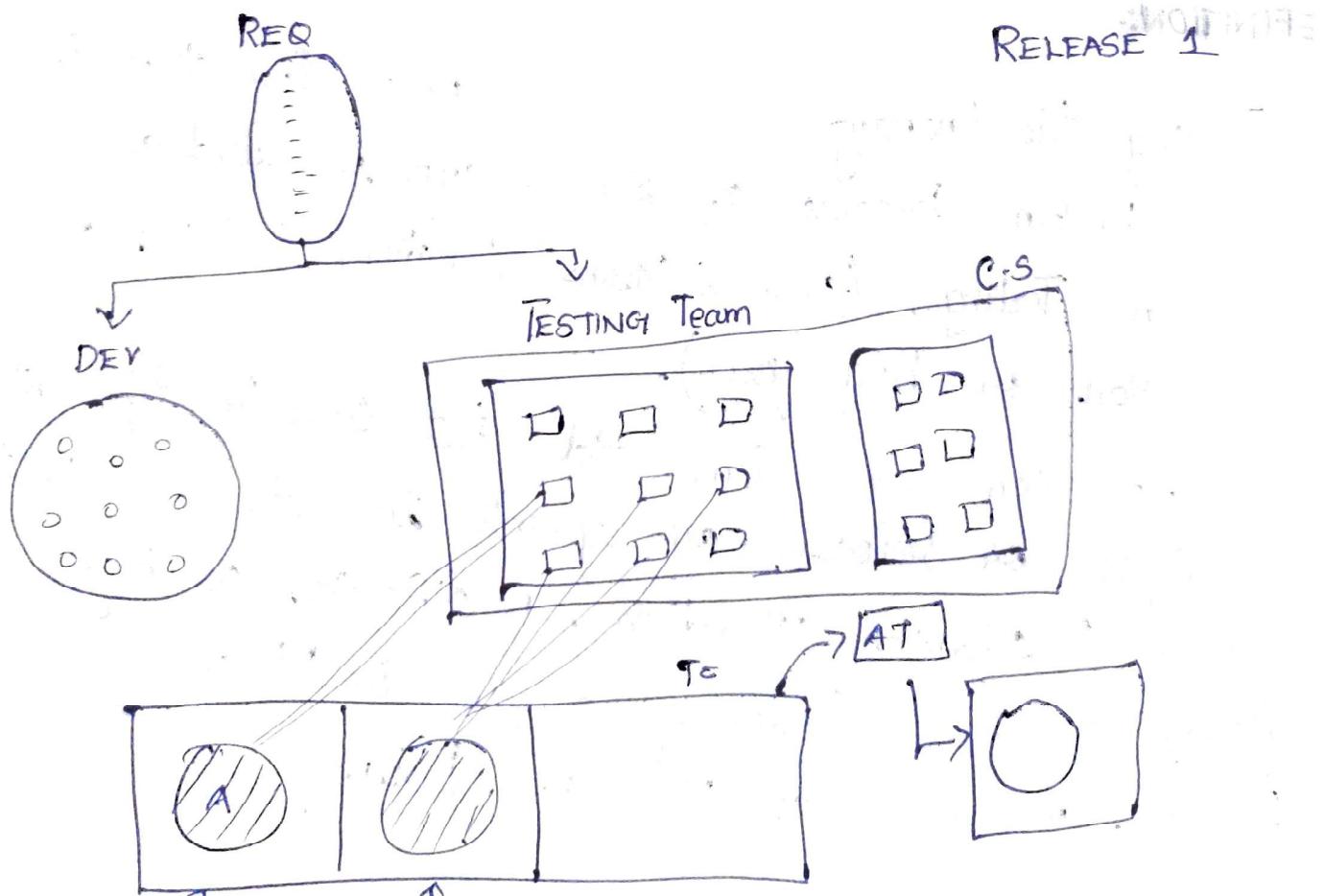
- a) I did thorough System Study because of which I had deeper knowledge of the product, because of that I was able to identify more no. of scenarios.
- b) I identified all possible Scenarios then I did brainstroming session because of which I was able to identify more no of scenarios
- c) While Writing test Cases I applied test Case design techniques because of that there was a improvement in a coverage
- d) I got all my test Cases reviewed at that stage I got some more missing scenarios ; because of that there was improvement in the coverage
- e) While executing the Test Cases I identified few new scenarios and added them back to the test Cases.

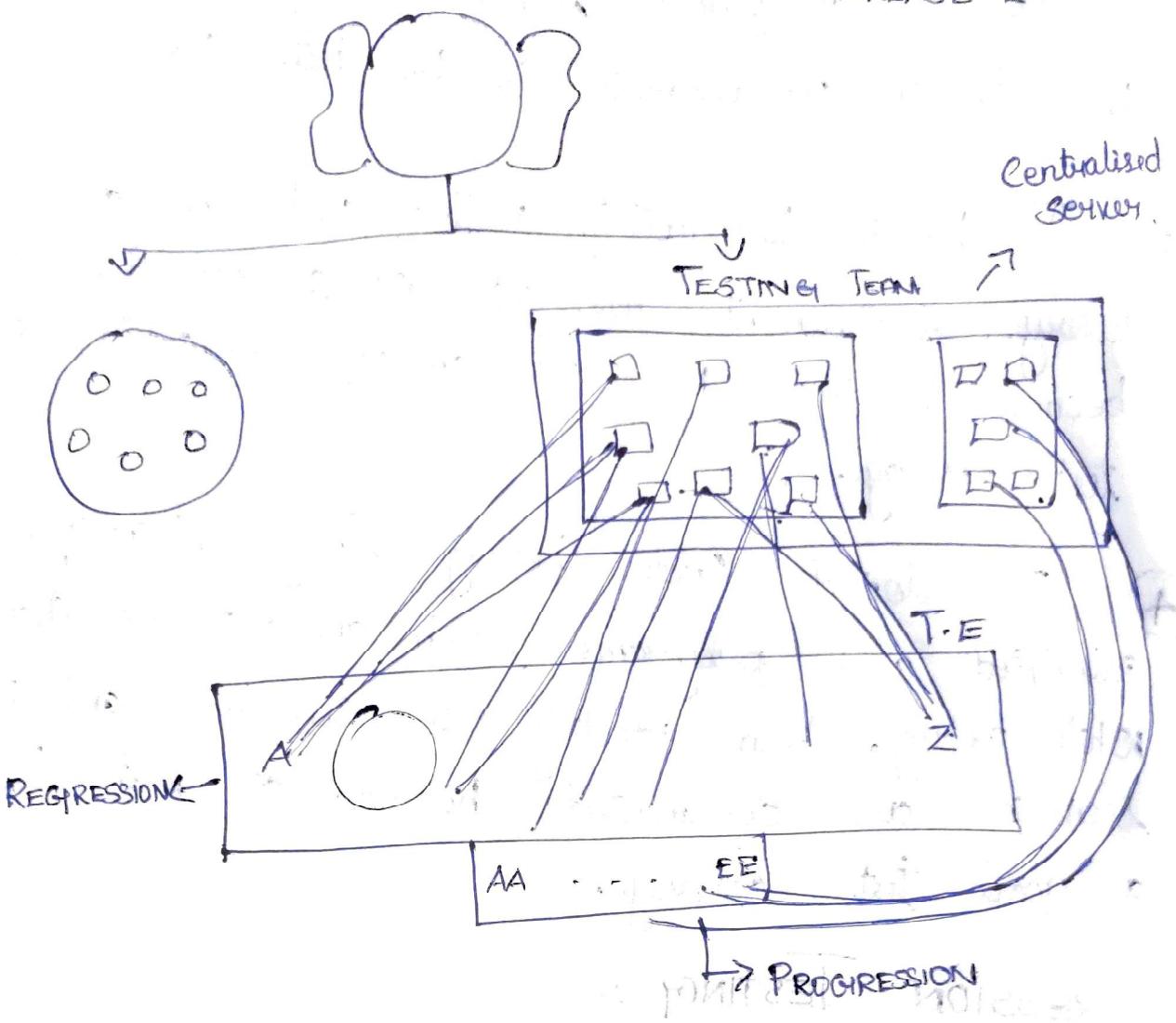
② Also I performed Adhoc testing because of which there is an improvement in the test coverage.

③ I Wrote traceability matrix and ensured that every requirement has got atleast one test cases written, because of that there was an improvement in the test coverage.

④ I adopted Code Coverage Analysis techniques and identified the programs which are not executed while testing, then identify the scenarios and the scenarios are documented because of that there was a good test coverage.

REGRESSION TESTING :-





DEFINITION:-

- ① Testing the Unchanged features to make sure that it is not broken because of the changes is called as Regression Testing. (Changes Means Addition, Deletion or modification or bug fixes).
- ② Re-execution of same old test cases in different test cycles or releases or sprints to make sure that changes (Addition, Deletion, modification or bug fixes) are not introducing defects in Unchanged features. is called as Regression testing.

TYPES OF REGRESSION TESTING:-

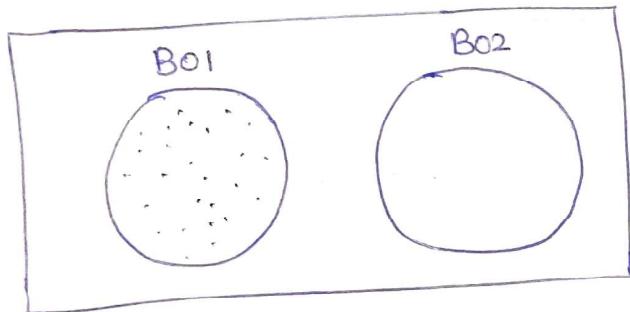
- * Unit Regression Testing
- * Regional Regression Testing
- * Full Regression Testing

29/09/2020 (12:40pm - 2:30pm)

UNIT REGRESSION TESTING:-

Testing the bugs which are fixed on the changes which is made is called as Unit regression testing

e.g:-



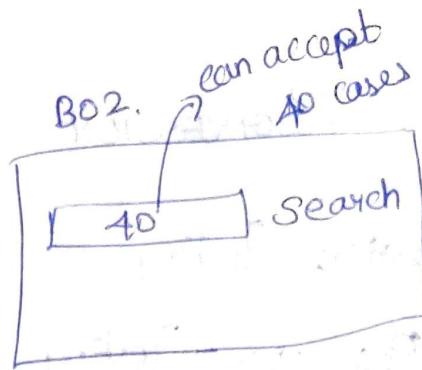
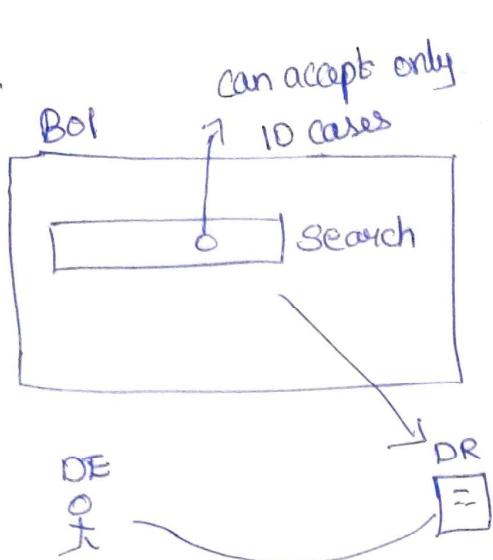
An 'Add User' form with fields: Name (abcd), Ph.No (12345), EmailId (abc@gmail.com). It includes 'Submit' and 'Cancel' buttons.

An 'Add User' form with fields: Add User, Name (abcd), Ph.No (123456789), EmailId (abc@gmail.com). It includes 'Submit' and 'Cancel' buttons.

User Successful
Created

Bug fixed.
User Successfully
Created

eg 2:



Bug fixed.

Req.: 1-40 cases should accept in Search button.

eg: 3:

