Assignment-2

- **What is Exploratory Testing?**

  Exploratory testing is many technique used and many factors leading in exploratory testing.

- **What is traceability matrix ?**

  Traceability matrix is requirement of component and process for softwear testing and put the table in traceability matrix.

- **What is boundary value testing ?**

  Boundary value testing is work on set the cases in limited range area and set the partition.

- **What is Equivalence partitioning Testing ?**

  Equivalence partitioning testing is work on if statement and equivalence partitioning testing is identify the equivalence value valid and invalid value patitioning in equivalence partitioning testing.

- **What is integration testing ?**

  Integration testing is work on module and integration testing is perform of testers and that use is component and system.

- **What determines the level of risk ?**

  The determines the level of risk is work on softwear testing and that use is testing errors and data determinate and determine and many levels risky of determine levels.

- **What is component testing ?**

  Component testing is individual component and that use of unit,module,and program testing use of component testing.

- **What is functional system testing ?**

  a functional system testing is perform on system or system component in functional system testing.

- **What is non-functional testing ?**

  non functional testing is not related of system or system component and functionality.

- **What is adhoc testing ?**

  Adhoc testing is perform is knowledge of softwear tester and work on softwear testing on knowlwdge base.

- **What is GUI testing ?**

  GuI testing is graphical user interface is work on under softwear testing.

- **What is load testing ?**

  Load testing is work under real life performance condition and multiple user access this testing.

- **What is stress testing?**

  Stress testing use to stability and reliability of the system.

- **What is white box testing and list the types of white box testing?**

  White box testing is also called glass testing or open box testing. And this types is test/code coverage,statement coverage,decision coverage,and codition coverage.

- **What is black box testing? What are the different black box testing techniques?**

  Black box testing is without working any knowedge on component of system. And different techniques are used in black box testing is boundary value,equivalence partitioning,dicesion tables,use case testing,other black box testing.

- **mention what are the categories of defects?**

  the categories of defect is functional,non functional,usability,compability,and security.

- **Mention what bigbang testing is?**

  The bigbang testing is all module and component are tested in single unit and perform are system level testing performed.

- **What is purpose of exit criteria?**

  Exit criteria purpose of a before complete the project plan and after than exit the project criteria.

- **When should "regression testing" be performed?**

Regression testing is performed is alredy executed test cases of re-exicuted to ensure on functionalities.

- **What is 7 key principles ? explain in details.**
    1) The testing is presence of defect:
       Testing is present are defect but can not prove that are no defects.
    2) Exhaustive testing is impossible:
       Exhaustive testing is very riskey and many data executed riskey and impossible.
    3) Early testing:
       Early testing is possible to early time for development team and that activity are focused on defined objectives.
    4) Defect clustering:
       Defect clustering is most defect discovered during pre-release testing.
    5) The pasticide paradox:
       The pastiside paradox is work on identify bugs and programmers respond and solved and find out the error and defect the bugs.

    6) Testing is context dependent:
       Testing is basically context dependent and testing can be more banefit of development cost
    7) Absence of errors fallacy:
       Absence of error fallacy is a not doesn't make a good system and not accecpt user requirement and expectation.
- **Difference between QA v/s QC tester.**
    Quality Assurance :

    ✔ Quality assurance is preventive activities in softwear testing.

    ✔ Quality assureance is work on process oriented activities in softwear testing.

✔ Quality assurance is implementation of process and focus on process and procedure.

✔ Quality assurance is subset of softwear life cycle.

Quality control :

✔ Quality control is work on product oriented activities.

✔ Quality control is focus on actule testing and executing softwear.

✔ Quality control is considered by quality assurance.

- **Difference between smoke & sanity.**
  Smoke testing :

✔ Smoke testing is subset of regression testing.

✔ Smoke testing is work on after build the softwear and application.

✔ Smoke testing is use on bug and defect are fixed.

✔ Smoke testing is work on check the general health checking.

Sanity testing :

✔ Sanity testing is not use to documented work.

✔ Sanity testing is work on specialized health check up.

✔ Sanity testing is work on bug fixed and many error solved in sanity testing.

- **Difference between verification & validation.**
  Verification :

✔ Verification is work on product base requirement and make design and code and specs in verification.

✔ Verification is work on specific requirement.

✔ Verification is work on eveluting work-product.

Validation :

✔ Validation is work on specific business requirement.

✔ Validation is work on softwear development during softwear.

✔ Validation is work on testing and product and softwear.

✔ Validation is work on product fulfill and intended invironment.

- **Explain types of performance testing.**
  - **load testing :** load testing is work on performance testing and check the system behavior under load.
  - **Stress testing :** stress testing is test of stability & reliability of the system.and stress testing is also known as endurance testing.
  - **Endurance testing :** endurance testing is work under stress testing and join the stress testing.
  - **Spike testing :** spike testing is work on performance testing.
  - **Volume testing :** volume testing work on performance testing.
  - **Scalability testing :** scalability testing can not handle the range for users.
- **What is error,bug,defect and failure?**
  Error : developers make the mistack that's called error.
  Bug : tester finds the error that's called bug.

Defect : developer team accept the bugs that's called defect.

Failure : failure is work on required function and specified performance requirements see:bugs,crash and fault.

- **Difference between priority and severity.**

  Priority : Priority defines the order in which we should resolve a defect. Priority is resolve the defect and many mistack solved on priority.priority is set by the tester and priority is work on defect.

  Severity : severity is work on normely critical cases and work on defect. Severity is work on priority base and work on component of system. Severity is also critical defect solved in defect of component system.

- **What is bug life cycle?**

  Bug life cycle is open and close and that is work assigned and work on results and check the bugs and errors and many defect solve in bug life cycle and start the life cycle is open and complete life cycle is close.

- **Explain the difference between functional testing and non functional testing.**

  Functional testing :

  ✔ functional testing is work on component system and working is requirement specification and use cases and function.

  ✔ Functional testing is executed first.

  ✔ Functional testing types is smoke testing,unit testing,sanity testing,regretion testing,white box testing,black box testing,acceptance testing and etc. testing work in functional testing.

  ✔ Functional testing is used to automation tools and manual testing.

  Non-functional testing :

  ✔ Non functional testing is performed after functional testing.

  ✔ Non functional testing is good work of product work

✔ Non functional testing types is load testing,performance

testing,stress testing,migration testing,compability testing and etc testing work in non functional testing.

● **To create HLR & testcase of (instagram,facebook)only first page.**

   INSTAGRAM HLR :

FUNCTION ID	FUNCTION NAME	DESCRIPTION
101	Log in page	Instagram login page open successfully.
102	Username & password	When i enter username and password so that are working properly.
103	Forgot password	Then i click and enter my old and new password so that are change successfully.
104	Google and facebook	Google and facebook sign in features is working succesfully.
105	Sign up	Sign up features are working properly.

TEST CASE:

TEST CASE ID	FUNCTIONAL ID	TEST CASE NAME	SUMMARY	PRE CONDITION	TEST STEP	TEST DATA	EXPEXTED RESULT	ACTUAL RESULT	STATUS
1	101	Login page	When i open login page of instagram so that are open successfully.	Internet asd browser is working condition	1.search instagram 2.open login page	https://www.instagram.com/	Open succesfully	As per expected result	pass
2	102	Username and password	When i enter username and password so verification and validation is working properly.	Internet and browser is working condition	1.open login page 2.enter username & ps	UN:Ankit_8671 PASS:asjdjfhsdf	Login details verification and validation is working properly	As per expected result	pass
3	103	Forgot password	When i change my password so forgot password feature are working properly.	Internet and browser is working condition	1.open forgot pass 2.enter old and new pass	Old:328478 new:32jdff	Forgot password is working successfully.	As per expected result.	pass
4	104	Google & facebook	When i sign in to google and facebook so that are working properly sign in.	Internet and browser is working condition	1.open login page 2.sign in to google	-	Sign in successfully.	As per expected result	pass
5	105	Sign up	When i using instagram and after that i sign up instagram so that are working properly	Internet and browser is working condition	1.open instagram 2.click sign up	-	Sign up successfully.	As per expected result.	pass

FACEBOOK HLR:

FUNCTIONALITY ID	FUNCTIONALITY NAME	DESCRIPTION
101	**Login page**	**When i open facebook login page so open successfully.**
102	Username and password	When i enter username and password so verification and validation is working properly.
103	login	When i click the login page button so that are working properly.
104	Forgot password	When i change my password so that are change successfully.

TEST CASE:

Test case id	Functional id	Test case name	summary	Pre condition	Test step	Test data	Expected result	Actual result	status
1	101	Log in page	When i open login page so tha are open successfully.	Internet and browser is working condition	1.search facebook 2.open login page	https://www.facebook.com/	Login page succesfully	As per expected result	pass
2	102	Username & password	When i enter username and password so verification and validation is working properly.	Internet and browser is working condition	1.enter user details	UN:ankit Pass : 342ankit	Verification and validation working properly	As per expected result	pass
3	103	login	When i click log in button so that are working properly.	Internet and browser is working condition	1.enter user details 2.click login button	-	Login button working properly	As per expected result	pass
4	104	Forgot password	When i change my password so that are working properly.	Internet and browser is working condition	1.click forgot password 2.enter details	-	Password changes successfully.	As per expected result	pass

- **What is different between the STLC and SDLC?**
  STLC : STLC stand for softwear testing life cycle and that phases is requirement analysis,test planning, test case development,test environment setup,test execution,test cycle clouser. This is phases of STLC and STLC is only work on testing.
  SDLC : SDLC stand for softwear development lifecycle and that phases is requirement gathering,analysis,designing implementetation,testing and maintenance. This is SDLC phases and SDLC is a structured develop imposed.
- **What is the difference between test cases,test scenario, and test script?**
  Testcase :

  - ✔ Test case is work base test scenario and test case is involve the set of steps,conditions and inputs.

  - ✔ Test case are derived are test scenario.

  - ✔ Test case are input and output give the system.

  - ✔ Test case is input the value and after that set the precondition.

  Test scenario :

  - ✔ test scenario is work on check the things and many more items check in test scenario.

  - ✔ Test scenario is nothing but test procedure.

  - ✔ Test scenario is devides from use cases.

  Test script :

  - ✔ Test script is most use of business scenario.

✔ Test script is identified the input/test data that should be for enter transaction.

✔ Test script is identifies the expected result.

- **Explain what test paln is? What is the information that should be covered.**
Test plan is make the strategy for project and get the astimates of project and test planning is work on test environment and test resource and test limitation and also determines on test planning.and strategy and document and planning information should be covered in test planning.

- **What is priority ?**
Priority is relative and business focused.and priority is set and required focuse on customer based.

- **What is severity ?**
Severity is work on absolute on customer focused in business.

- **Bug categories are…**
Bug categories are security,database,functionality,UI is bug categories.

- **Advantage of bugzila.**

✔ Bugzila is most usefull in making defect report.

✔ Bugzila is making the perfact report and perfact details enter the defect report.

✔ Bugzila is all data properly entered of any project.

✔ Bugzila work in two part admin side and editbug side.

- **What are the different methodology in agile development model.**
agile model is combination of iterative and incremental process model. Agile model is easy to manage model and agile model is promote team work and cross training.

- **Explain the difference between authorization and authentication in web testing.what are the common problem faced in web testing.**
Authorizatation is accebility to pages though permission not given. Authentication is accepting an invalid usename/password.

Web testing is work on web sites an web browser. And check the web testing is check the network connection and network service.and web testing is check the and common problem is accebility and page permission give and access the data permission of web sites.

● **To create HLR & testcase of webBased(whatsapp web,instagram**

WHATSAPP HLR

FUNCTIONALITY ID	FUNCTIONALITY NAME	DESCRIPTION
101	QR SCANNER	When i link device on my phone to scan the QR of whatsapp web so that are successfully to link device
102	Login with phone number	When i enter my phone number so log in successfully in my laptop device.
103	Get started	When i new account open so that are working properly.

TEST CASE:

TEST CASE ID	FUNCTIONAL ID	TEST CASE NAME	SUMMARY	PRE CONDITION	TEST STEP	TEST DATA	EXPECTED RESULT	ACTUAL RESULT	STATUS
1	101	QR scanner	When i link device on my phone to scan the QR of whatsapp web so that are successfully to link device	Internet and browser is working condition	1.open whatsapp web 2.scan the QR	https:// web.wh atsapp.c om/	QR scan succesfully	As per expected result	pass
2	102	Login with phone number	When i enter my phone number so log in successfully in my laptop device.	Internet and browser is working condition	1.open whatsapp web 2. Enter phone number	mo:913 248723	Login with phone number successfully .	As per expected result	pass
3	103	Get started	When i new account open so that are working properly.	Internet and browser is working condition	1.open whatsapp web 2.click get started	-	Open help center and create new account	As per expected result	pass

- **To create HLR & testcase on this Link. https://artoftesting.com/**

FUNCTIONALITY ID	FUNCTIONALITY NAME	DESCRIPTION
1	Home page	When i open this site so open and working properly
2	Menu bar	When i open all menu so that are working and open successfully.
3	Follow us	When i click to follow us to open linkdin,facebook,youtube, twitter,and pinterest open successfully.

TEST CASE:

TEST CASE ID	FUNCTIONALITY ID	TEST CASE NAME	SUMMARY	PRE CONDITION	TEST STEP	TEST DATA	EXPECTED RESULT	ACTUAL RESULT	STATUS
1	101	HOME PAGE	When i open this site so open and working properly	Internet and browser is working condition	1.open art of testing	**https://artoftesting.com/**	Open successfully	As per expected result	pass
2	102	MENU BAR	When i open all menu so that are working and open successfully.	Internet and browser is working condition	1.open art of testing 2.open and check menu bar	-	Open and check all menu open properly or not	As per expected result	pass
3	103	FOLLOW US	When i click to follow us to open linkdin,facebook,you tube, twitter,and pinterest open successfully.	Internet and browser is working condition	1.open this site 2.click the follow us and check	-	All side and connected apps is open successfully or not	As per expected result	pass

- **Write scenario of only whatsapp chat messages.**

  ✔ Verify the check whatsapp chat message working properly.

✔ Verify the check whatsapp chat message page check the send message properly or not.

✔ Verify check the message writing properly.

✔ Verify check the message receiver message receive properly or not.

✔ Verify check the many features are working properly or not.

✔ Verify check the theme feature are available or not.

✔ Verify check the message is recording message send properly or not and voice message record properly or not.

✔ Verify check the media uploaded properly send or not in chat box.

✔ Verify check the message is limitation of media size and media quality check in message box.

✔ Verify check the message box chat person showing properly or not.

- **Write scenario of pen**

    ✔ verify check the pen is writing w

    ✔ Verify if the pen is with a cap or without a cap.

    ✔ Verify the color of the ink on the pen.

    ✔ Check the odor of the pen's ink on writing over a surface.

    ✔ verify check the pen color.

    ✔ Verify check the pen size.

    ✔ Verify check the drawable and writable pen check.

    ✔ Verify check the pen ink color.

✔ Verify check the pen material and pen price.

✔ Verify if the pen's ink should not leak at higher altitudes.

✔ Verify if the text written by the pen is erasable or not.

- **Write scenario of pen stand**

  ✔ Verify check the pen stand quality.

  ✔ Verify check the pen stand material plastic,wooden and steel

  ✔ Verify check the pen stand price on material base.

  ✔ Verify check the pen stand billing price and retail price.

  ✔ Verify check the pen stand which pen covered in stand.

  ✔ Verify check the pen stand color.

  ✔ Verify check the pen stand is comfortable for pen.

  ✔ Verify check the pen stand size.

  ✔ Verify the pen stand folding or not.

- **Write scenario of door**

  ✔ Verify check the door material.

  ✔ Verify check the door material wooden door,steel door,plai
    wooden,fiber.

  ✔ Verify check the door size

  ✔ Verify check the door proper size fitting

  ✔ Verify check the door color on home design

✔ Verify check the door price and manufacture price.

✔ Verify check the door lock system and many security system

✔ Verify check the door design compare on home design

- **Write scenario of ATM**

    ✔ Verify the type of ATM machine, if it has a touch screen, both keypad buttons only, or both.

    ✔ Verify that on properly inserting a valid card different banking options appear on the screen.

    ✔ Check that no option to continue and enter credentials is displayed to the user when the card is inserted incorrectly.

    ✔ Verify that the touch of the ATM screen is smooth and operational.

    ✔ Verify that the user is presented with the option to choose a language for further operations.

    ✔ Check that the user is asked to enter a pin number before displaying any card/bank account detail.

    ✔ Verify that there is a limited number of attempts up to which the user is allowed to enter the pin code.

    ✔ Verify that if the total number of incorrect pin attempts gets surpassed then the user is not allowed to continue further. And operations like temporary blocking of the card, etc get initiated.

✔ Check that the pin is displayed in masked form when entered.

✔ Verify that the user is presented with different account type options like- saving, current, etc.

✔

- **When to used usability testing ?**
  Usability testing is used for determine number and usability testing use in counseltence service.
- **What is the procedure for GUI testing?**
  The procedure for Graphical User Interface (GUI) testing involves a systematic approach to ensure the visual elements and functionality of an application's user interface meet the specified requirements and provide a positive user experience. This can be done manually or with automation.
- **Write scenario of microwave owen.**

  ✔ verify check the microwave owen working properly or not.

  ✔ Verify check the microwave owen hitting condition working properly or not.

  ✔ Verify check the microwave owen material and which company best product provide of this machine.

  ✔ Verify check the owen size and owen color.

  ✔ Verify check the owen electricity supply perfectly or not.

  ✔ Verify check the owen temprture.
- **Write scenario of coffee vending machine.**

  ✔ verify check the vending machine material.

  ✔ Verify check the vending maching requirement of coffee making.

- ✔ Verify check the vending machine requirement of how many making coffee for order requirement.
- ✔ Verify check the vending machine is time to time accept the coffee order getting properly or not.
- ✔ Verify check the vending machine bill and payment rightly working or not.

- **Write scenario of chair.**

    - ✔ verify check the chair size.

    - ✔ Verify check the chair color.

    - ✔ Verify check the chair material.

    - ✔ Verify check the chair price of material based.

    - ✔ Verify check the chair weight limitation.

    - ✔ Verify check the chair is comfortable for humanbody .

    - ✔ Verify check the chair types is wooden chair,steel chair,and plastic chair.

    - ✔ Verify check the plastic chair material.

    - ✔ Verify check the chair is electric chair or not

    - ✔ Verify check the chair is wheel chair or simple chair.

- **To create scenario gmail(positive & nagetive)**
  Positive :

    - ✔ Verify check the mail is working properly.

✔ Verify check the mail sending and receiving function and feature are working properly or not.

✔ Verify check the mail is working offline and online or not.

✔ Verify check the mail is perfectly sending and receiving is completely or not.

✔ Verify check the mail notification is showing perfectly or not.

✔ Verify check the mailbox is working properly or not.

✔ Verify check the mail is securely or not.

Negative:

✔ Verify check the mail is fack mail receiving or not.

✔ Verify check the mail is hack or not.

✔ Verify check the mail is spam or not.

✔ Verify check the mail is fack payment mail or not.

- **Create scenario Online shopping to buy product(flipkart)**

  ✔ Verify check the product.

  ✔ Verify check the product details.

  ✔ Verify check the product price.

  ✔ Verify check the product rating.

  ✔ Verify check the product size and product quality.

  ✔ Verify check the product shipping area.

✔ Verify the product price discount and offers.

✔ Verify check the product delivary address is correct or not.

✔ Verify check the product images and real product are same or not.

✔ Verify check the product is returnable or not.

✔ Verify check the product is refundable or not.

- **Write scenario of lift(elevator)**

    ✔ Verify check the lift is working properly.

    ✔ Verify check the lift size and weight is correct or not.

    ✔ Verify check the lift weight limitation set or not.

    ✔ Verify check the lift is how many person collect in lift.

    ✔ Verify check the lift transaction speed.

    ✔ Verify check the lift company.

    ✔ Verify check the lift all function working properly or not.

    ✔ Verify check the lift all features are working properly or not.

    ✔ Verify check the lift all system and all buttons are working completely

    or not.

- **Write scenario of whatsapp group(generate group)**

    ✔ verify check the group name.

    ✔ verify check the group admin.

    ✔ Verify check the which person involve this group.

✔ Verify check the maximum and minimum member join this group.

✔ Verify check the group enter the valid number join the group.

✔ Verify check the group profile.

✔ Verify check which can add the admin member in group.

✔ Verify check the message send and receive perfectly or not.

- **Write scenario of whatsapp payment.**

    ✔ verify check the whatsapp payment system are working properly or not.

    ✔ Verify check the payment system is securely.

    ✔ Verify check the payment system is transaction features are working properly or not.

    ✔ Verify check the check bank balance are show perfectly or not.

    ✔ Verify check the upi id is working perfectly or not.

    ✔ Verify check the money send and receive is completely ro not.

    ✔ Verify check the receiver id data show or not.

    ✔ Verify check this system is join the any bank are link perfectly or not.

    ✔ Verify check the payment QR code and scanner are woring properly or not.

    ✔ Verify check the payment method is showing the data and information.