***SQL***

1) Scalar functions :

scalar functions are built-in functions in SQL that takes one or more values as input and returns a single value as output.

eg., scalar SQL functions

i) LCASE() & UCASE()- converts string coulmn values to lowercase and uppercase respectively.

syntax : SELECT LCASE(column\_name) FROM table\_name;

SELECT UCASE(column\_name) FROM table\_name;

ii) LEN() - returns the length of the input string.

syntax : SELECT LENGTH(string) AS sample\_column\_name;

iii) ROUND() - used to round off a numeric value to nearest integer.

syntax : SELECT ROUND(column\_name) FROM table\_name;

iv) MID() - used to extract substrings from columns having string datatype.

syntax : SELECT MID(column\_name,start,length) FROM table\_name;

v) NOW() - to retrieve current date and time

syntax : SELECT NOW();

3) SQL Query to rename a Column\_Name :

syntax : ALTER TABLE table\_name RENAME COLUMN old\_column\_name to new\_column\_name;

eg., To rename the column Emp\_No to Emp\_ID in EMPLOYEE\_DETAILS table

SQL query :

ALTER TABLE EMPLOYEE\_DETAILS RENAME COLUMN Emp\_No to Emp\_ID;

4) SQL Query to find duplicate records :

syntax :

SELECT column\_name,COUNT(column\_name) FROM table\_name GROUP BY column\_name HAVING COUNT(column\_name2)>1;

eg., To find out duplicate entries in the column ORDER\_ID in ORDER\_DETAILS table

SQL query :

SELECT ORDER\_ID,COUNT(ORDER\_ID) FROM ORDER\_DETAILS GROUP BY ORDER\_ID HAVING COUNT(ORDER\_ID)>1;

7) Query to get max salary for each department from Department table:

SELECT Dept\_ID,MAX(SALARY) FROM Department GROUP BY Dept\_ID;

9) Query to display first 5 records from EMPLOYEE table:

SELECT \* FROM EMPLOYEE ORDER BY Emp\_ID ASC LIMIT 5;

10) Query to display last 5 records from Employee table :

SELECT \* FROM EMPLOYEE ORDER BY Emp\_ID DESC LIMIT 5;

13) Query to get employee details from EMPLOYEE table, who are not assigned any department:

SELECT \* FROM EMPLOYEE WHERE DEPARTMENT=null;

***MANUAL TESTING***

2) Bug Report for a bug in the login page that the submit button is not working properly :

Bug ID : --id--

Bug Title : Submit Button is not Working in the login Page after entering the credentials.

Reporter Name: --name--

Defect Reported Date: 23/03/2023

Project Name: -- project name --

Release/Build Version: -- build version details --

Defect / Enhancement : DEFECT

Environment: -- details of Operation Systems, Browser Details and any other related to the test environment --

Frequency : 10/10 times

Priority : HIGH

Severity: CRITICAL

Status: NEW

Description: After Entering the credential details (login id and password), then clicking submit button the system is not responding as intended.

Steps to reproduce:

1) Open URL “Your URL”

2) Click on “Login Page”

3) Enter Login id and password

4) Click the ‘submit’ button

Expected Result: The system should enter into the new web page of the logged in URL.

Actual Result: On Clicking the submit button, the system is not entering into the next web page, rather it remains in the same page

Attachments: -- screenshots --

Defect Close Date: -- the date before which it needs to be updated, to ensure that the defect is not reproducible --

3) Bug report of MY OWN

Bug report for contact name not updated when edited with new name on WhatsApp

Bug ID : --id--

Bug Title : Contact name not updated when edited with new name

Reporter Name: --name--

Defect Reported Date: 23/03/2023

Project Name: -- project name --

Release/Build Version: -- build version details --

Defect / Enhancement : DEFECT

Environment: -- details of Operation Systems, Browser Details and any other related to the test environment --

Frequency : 10/10 times

Priority : HIGH

Severity: CRITICAL

Status: NEW

Description: On editing the WhatsApp contact name, the name is not updated to new one, it still remains in the same older name

Steps to reproduce:

1) Open WhatsApp Mobile Application

2) Select any contact (Kumar)

3) On the top most right corner click the three dotted icon , select ‘View Contacts’

4) On the top most right corner click the three dotted icon, select ‘Edit’

5) Enter the new name in the Name field and click ‘save’ option.

Expected Result: The Whatsapp system should display the newly edited name as the contact name to the user

Actual Result: The WhatsApp system is still displaying the old contact name to the user

Attachments: -- screenshots --

Defect Close Date: -- the date before which it needs to be updated, to ensure that the defect is not reproducible –

4) Few Test cases for booking bus tickets in redBus

i) Verify whether the user is restricted to purchase ticket for past date.

ii) Verify whether the user is restricted to search bus when user enters special character in FROM and TO field and click on search option.

iii) Verify whether the user is restricted to search bus when user leaves all the fields blank and click on search option.

iv) Verify whether the user is able to change his boarding point during the bus ticket booking process.

v) Verify when the user has edited his details then it should get updated, newly edited data should be reflected in passenger detail section and not the old data.

vi) Verify whether the user is redirected to login page, when the user tries to book the bus ticket without logging into the redbus site.

vii) Verify that once the user has cancelled the bus ticket, then ticket status should get change to available.

viii) Verify whether the user is able to download his ticket booking details.

ix) Verify whether a text message containing bus ticket booking details is sent to the user’s logged in mobile number after the user successfully booked a ticket

x) Verify whether the amount after deducting the booking charges is refunded to the user’s bank account within the next 3 working days, when the user cancel the bus ticket which he had booked previously.

5) Bug report for profile picture not updated in whatsapp :

Bug ID : --id--

Bug Title : Profile Picture not updated even after uploading the new image

Reporter Name: --name--

Defect Reported Date: 23/03/2023

Project Name: -- project name --

Release/Build Version: -- build version details --

Defect / Enhancement : DEFECT

Environment: -- details of Operation Systems, Browser Details and any other related to the test environment --

Frequency: 4/10 times

Priority : High

Severity: MODERATE

Status: NEW

Description: After uploading a different picture as new profile picture , the system still displays the previous picture as new profile picture.

Steps to reproduce:

1) Enter into Whatsapp

2) Click on the top right most corner three dotted icon, click ‘settings’

3) Click on the profile picture image, click the camera icon

4) Select the desired image as profile picture of your choice

5) Click ‘done’ after making desired adjustments

Expected Result: The whatsapp system should display the newly uploaded picture as the new profile picture

Actual Result: The whatsapp system is still displaying the previous picture as the profile picture

Attachments: -- screenshots --

Defect Close Date: -- the date before which it needs to be updated, to ensure that the defect is not reproducible –

6) Bug report for amazon web application that restricts user from adding electronics item into the cart

Bug ID : --id--

Bug Title : Electronic items are not added to the cart

Reporter Name: --name--

Defect Reported Date: 23/03/2023

Project Name: -- project name --

Release/Build Version: -- build version details --

Defect / Enhancement : DEFECT

Environment: -- details of Operation Systems, Browser Details and any other related to the test environment --

Frequency : 7/10 times

Priority : High

Severity: MODERATE

Status: NEW

Description: After selecting an electronic item with a particular number of quantity, the user is restricted from adding the selected item in to the cart

Steps to reproduce:

1) Open the URL (“https://www.amazon.com/s?k=electronics&crid=2J0T4K2FCTWG1&sprefix=electronics%2Caps%2C359&ref=nb\_sb\_noss\_2”).

2) Select the electronic item (Hair dryer v11002)

3) Click on the ‘Add To Cart’ option.

Expected Result: In the Cart menu , the no. of items should be incremented by one and the newly added item should be displayed .

Actual Result: The Cart remains in the same previous state as like before adding the new item .

Attachments: -- screenshots --

Defect Close Date: -- the date before which it needs to be updated, to ensure that the defect is not reproducible –

7) Negative test cases :

i) Entering invalid login id and password in login credentials

ii) Entering already existing username or login id and trying to create a new account.

iii) Creating a password less then 8 characters during Sign Up

iv) Entering a mismatching password for a user id during log in

v) Entering wrong OTP during user authentication.

8) IRCTC Web Application Test Cases :

i) Verify whether the user is restricted to purchase ticket for past date.

ii) Verify whether the user is restricted to search train when user enters special character in FROM and TO field and click on search train option.

iii) Verify whether the user is restricted to search train when user leaves all the fields blank and click on search train option.

iv) Verify whether the user is able to change his boarding point during the train ticket booking process.

v) Verify when the user has edited his details then it should get updated, newly edited data should be reflected in passenger detail section and not the old data.

vi) Verify whether OTP verification is working properly or not, when user tries to login in IRCTC web application

vii) Verify that once the user has cancelled the train ticket then ticket status should get change to available.

viii) Verify whether the user is able to download his train ticket booking details.

ix) Verify whether a text message containing ticket booking details is sent to the user’s logged in mobile number after the user successfully booked a train ticket

x) Verify whether the amount after deducting the booking charges is refunded to the user’s bank account within the next 3 working days, when the user cancel the ticket which he had booked previously.

10) Test cases for Amazon Web site :

i) Verify whether the user is redirected to Sign in section and restricted to enter payment section, when the user attempts to make payment.

ii) Verify whether the user is restricted to add an OUT OF Stock item into the cart.

iii) Verify whether the user has entered his/her mobile number for tracking the order in future.

iv) Verify whether the total price is added when a product is added to the cart and the total price is reduced when the user removes a product from the cart.

v) Verify whether the user has applied for a valid coupon, when the user enters and submit the coupon code.

vi) Verify whether a confirmation message is displayed or not, when the user adds any item to the cart successfully.

vii) Verify whether the user can remove all items from the cart, and the cart should be displayed as empty

viii) Verify whether all the button icons ‘+’ , ‘-‘, ‘add to wishlist’, ‘Add to cart’ are working as intended or not.

ix) Verify whether an appropriate error message is displayed when the user enters invalid input in all or any of the mandatory fields on the checkout page.

x) Verify whether an order confirmation text message is sent to the user’s mobile number, when the user successfully places an order