1. Login Id – 4 to 15 character long. only special character is. (dot)

Lower Bound – 4

Upper Bound -15

LB+1 – 5 – PASS UB+1 – 16-FAIL

LB - 4 – PASS UB -15- PASS

LB-1 -3 - FAIL UB-1 – 14-PASS

Password - 4 to 18 character long

Lower Bound – 4

Upper Bound – 18

LB+1 – 5 – PASS UB+1 – 19 – FAIL

LB – 4 – PASS UB – 18 - PASS

LB-1 – 3 – FAIL UB-1 - PASS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TC NO | Preconditions | Scenario name | Action | Test data | Expected Result |
| TC\_001 | Allow user to access their account | Login | 1.Enter Login ID  2.Enter password  3.Click on login button | Valid username  Valid password | Login successful then user should have access to their account |
| TC\_002 | Allow user to access their account | Login | 1.Enter Login ID  2.Enter password  3.Click on login button | Invalid username  Valid password | Login failure  Error message |
| TC\_003 | Allow user to access their account | Login | 1.Enter Login ID  2.Enter password  3.Click on login button | Valid username  Invalid password | Login failure  Error message |

1. Test Case for LeTS Attendance System

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| --- | --- | --- | --- | --- | --- |
| TC NO | Preconditions | Scenario name | Action | Test data | Expected Result |
| TC\_001 | Should be able to select the type of issue | Selecting issue | 1.click on the drop-down menu | Valid leave (if any one option is selected) | Leave type is valid |
| TC\_002 | Should be able to select the type of issue | Selecting issue | 1.click on the drop-down menu | Invalid (if no option is selected) | Error message .should display please enter the type of Issue |
| TC\_003 | From date should not be greater than To date | Selecting date | 1.Click on the date  2.select the date in dd-mm-yyyy format | Valid (if From date is less than To date) | From date and To date is valid. |
| TC\_004 | From date should not be greater than To date | Selecting date | 1.Click on the date  2.select the date in dd-mm-yyyy format | InValid (if From date is greater than To date) | Error message . should display message (Please enter valid date .From date should be less than To date) |
| TC\_005 | Should be able to submit | Submit data | 1.click on the submit button | Valid (if all the fields are valid and filled) | Successfully submitted to the selected reporting manager |
| TC\_006 | Should be able to submit | Submit data | 1.click on the submit button | InValid (if any of the field is empty or data is invalid) | Error message . should display please fill the empty fields with valid data. |
| TC\_007 | Should be able to clear data | Clear data | 1.click on the clear button | valid | Should clear the data in all fields. |

3.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TC NO | Preconditions | Scenario name | Action | Test data | Expected Result |
| TC\_001 | Employee related data should be filled in respective fields | Fetching details | 1.Login into account by providing valid name and password | Valid (if employee id , employee name and mail is correct) | Employee details fetched from database should be filled in respective fields |
| TC\_002 | Employee related data should be filled in respective fields | Fetching details | 1.Login into account by providing valid name and password | InValid (if employee id , employee name and mail are incorrect) | Error Message |
| TC\_003 | Should be able to enter project/Dept | Entering project/dept | 1.Enter project/dept in the respective field | Valid (if numerals and alphabets are entered) | Project/dept should be entered |
| TC\_004 | Should be able to select the location | Selecting location | 1.Click on the drop-down menu and select the location | Valid(if the location is selected) | Location is selected |
| TC\_005 | Should be able to enter extension | Entering extension | 1.Enter extension | Valid(if extension is maximum length of 4 ) | Extension should be filled |
| TC\_006 | Should be able to enter the reporting manager | Enter the name of reporting manager | 1.Enter Valid reporting manager name | Valid (if there are only characters and no special characters) | Reporting manager data should be filled in the respective field |
| TC\_007 | Should be able to select from drop-down list | Selecting issue category , sub-category and seniority level | 1.select the data from the drop-down menu | 1.Valid(if one option is selected from drop-down menu) | Data should be in the respective fields |
| TC\_008 | Should be able to submit | Submit data | 1.click on the submit button | 1.Valid(if all the mandatory fields are filled and data entered is valid. | Successfully submit the data |
| TC\_009 | Should be able to submit | Submit data | 1.click on the submit button | Invalid(if the mandatory fields are left empty or if entered data is not valid) | Unable to submit data  Error message  Should display Please enter the valid data in mandatory fields .Mandatory fields should not be left empty. |

4.

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| --- | --- | --- | --- | --- | --- |
| TC NO | Preconditions | Scenario name | Action | Test data | Expected Result |
| TC\_001 | Employee related data should be filled in respective fields | Fetching details | 1.Login into account by providing valid name and password | Valid (if employee id, employee name and mail is correct) | Employee details fetched from database should be filled in respective fields |
| TC\_002 | Employee related data should be filled in respective fields | Fetching details | 1.Login into account by providing valid name and password | Invalid (if employee id, employee name and mail are incorrect) | Error Message |
| TC\_003 | Should be able to enter project/Dept | Entering project/dept | 1.Enter project/dept in the respective field | Valid (if numerals and alphabets are entered) | Project/dept should be entered |
| TC\_004 | Should be able to select the location | Selecting location | 1.Click on the drop-down menu and select the location | Valid (if the location is selected) | Location is selected |
| TC\_005 | Should be able to select the preferred room | Selecting meeting room | 1.click on the drop-down menu and select the preferred room | Valid (if there is no pre-booking of the selected room) | Display message Room is successfully booked. |
| TC\_006 | Should be able to select the preferred room | Selecting meeting room | 1.click on the drop-down menu and select the preferred room | Valid (if there is pre-booking of the selected room) | Error message.  Should display the message This room is already booked and not available. Please View Current Booking and select another room |
| TC\_007 | Should be able to select the additional requirements | Selecting additional req | 1.click on the checkbox of the items you want | Valid | Selected checkboxes should display |
| TC\_008 | Should be able to enter number of participants | Entering number of participants | 1.Enter the participants | Valid (if only numerals are entered) | Displays number of participants |
| TC\_009 | Select the start time and end time | Select time | 1.Enter the start time and end time | Valid (if start time is less than the End time) | Time is displayed in respective fields |
| TC\_010 | Select the start time and end time | Select time | 1.Enter the start time and end time | Invalid (If start time is greater than end time) | Error message |
| TC\_011 | Should be able to submit | Submit data | 1.click on the submit button | 1.Valid (if all the mandatory fields are filled and data entered is valid. | Successfully submit the data |
| TC\_012 | Should be able to submit | Submit data | 1.click on the submit button | Invalid (if the mandatory fields are left empty or if entered data is not valid) | Unable to submit data  Error message  Should display Please enter the valid data in mandatory fields. Mandatory fields should not be left empty. |

5. a,b,c – 3 inputs

Inputs should be positive

Sum of any two sides can be greater than third one

If(a>=0 && b>=0 && c>=0)– condition for checking if user has entered positive value or not

If condition is true - PASS

If condition is false – FAIL

If(a+b>c ||b+c>a ||a+c> b) – condition for checking if the sum of any two sides is greater than third side

Return true If condition is satisfied – PASS

Return false if condition is not satisfied – FAIL

Steps:

Ask user to enter the input values

If(a>=0 && b>=0 && c>=0)-check whether user has entered positive number or not

(If(a+b>c ||b+c>a ||a+c> b)) – checks if sum of any two sides is greater than third side or not if the above condition is true

If both the conditions are true, Compute the area of triangle by using formulas

S=1/2(a+b+c)

Area = square root(s\*(s-a)\*(s-b)\*(s-c) )

If both the conditions fail

Ask user to enter valid input

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TC NO | Preconditions | Scenario name | Action | Test data | Expected Result |
| TC\_001 | User should enter valid input to compute | Enter input | 1.Provide input values in the respective field | Valid(if user has entered positive numbers) | Check if sum of any two sides is greater than third side or not |
| TC\_002 | User should enter valid input to compute | Enter input | 1.Provide input values in the respective field | Invalid(if user has entered negative numbers) | Error message  Should display the message “please enter valid input” |
| TC\_003 | User should enter valid input to compute | Enter input | 1.Provide input values in the respective field | Entered positive num but sum of any two sides is not greater than third side | Error message  Should display the message “please enter valid input” |
| TC\_004 | User should enter valid input to compute the area of triangle | Enter input | 1.Provide input values in the respective field | (valid)Entered positive num and sum of any two sides is greater than third side | Should display the formed triangle to the user |
| TC\_004 | To compute area of triangle |  |  | Valid(if triangle is formed ) | Should display the computed area value to the user. |