

B S Kushal - 21042

1) BVA and ECP for Leave Tracking system

Lb =02-06-2021 – valid

Ub = 31-06-2021-valid

Lb+1=03-06-2021-valid

Ub-1=30-06-2021-valid

(eligible for leave)

Lb-1=01-06-2021-invalid

Ub+1=01-07-2021-invalid

(not eligible for leave)

TEST CASES

| Test case no | Preconditions | Scenario name | action | Test data | Expected result |
|--------------|---------------------|-------------------------|---|--|---|
| 01 | Leave tracking page | Type of leave selection | Select the type of leave from dropdown box | Valid leave type(Only one type can be selected) | Leave type selection valid |
| 02 | Leave tracking page | Type of leave selection | Select the type of leave from dropdown box | Invalid leave type (no selection made) | Give Error message (selection required) |
| 03 | Leave tracking page | Date format validation | Date provided should be in DD-MM-YYYY Format | Valid Date format | Date selection valid |
| 04 | Leave tracking page | Date format validation | Date provided should be in DD-MM-YYYY format | Invalid date format | Give Error message |
| 05 | Leave tracking page | Button clicking | 1) On clicking submit button leave application should be sent to manager 2) On clicking clear button all the entries should be cleared . | Valid submit function Invalid submit function Valid clear Function Invalid clear function | Leave application submitted successfully Error message Entries made by user should be cleared successfully Error Message |

| | | | | | |
|----|---------------------|------------------------------------|--|---|---|
| | | | 3) On clicking view button the submitted application should be available to view | Valid view function Invalid view function | Application should be visible Error Message |
| 06 | Leave tracking page | Selection of Sanctioning Authority | 1) Select that option by checking it 2) Select the Authority | If checked Not checked Valid selection (one authority from dropdown box) Invalid selection (none selected) | View the authority options available Error Message (Selection required) Respective Authority will be receive the application Error Message |

2) HR connect Issue

Test Cases

| Test case no | Precondition | Scenario name | Action | Test data | Expected output |
|--------------|----------------------------------|--|---|----------------------|---|
| 01 | Issue registration in HR connect | Collecting data from employee (project ID,Location,Reporting Manager) | 1)Data provide should match the limitation (numbers 0-9 and characters) | Valid data provided | Employee information collected successfully |
| 02 | Issue registration in HR connect | Collecting data from employee (project ID,Location,Reporting Manager) | 2)Data provided does not suit the limitations | Invalid data provide | Error Message |

| | | | | | |
|----|----------------------------------|--|---|-------------------------|--|
| 03 | Issue registration in HR connect | Giving issue information (issue, issue category , issue subcategory , security level) | Select valid options from dropdown box | Valid data provided | Issue is recorded successfully |
| 04 | Issue registration in HR connect | Giving issue information (issue, issue category , issue subcategory , security level) | If no option selected from dropdown box | Invalid Data | Error Message |
| 05 | Issue registration in HR connect | Submit Button functionality | On clicking submit all the validations should be done and issue should be sent to respective person . | Valid submit function | All validations are successful and issue is recorded |
| 06 | Issue registration in HR connect | Submit Button functionality | If on click validation does not work | Invalid Submit function | Error Message |

3) MRBS

Test Cases

| Test case no | Precondition | Scenario | Action | Test Data | Expected output |
|--------------|-----------------------------|---|--|---|-------------------|
| 01 | Meeting Room booking system | Giving information (Purpose , Group/project name , no.of participants , additional Requirements) | Enter the purpose and Project code /group name | Acceptable data entered (alpha,numeric) | Verification done |
| 02 | Meeting Room booking system | Giving information (Purpose , Group/project name,no.of participants ,Additional Requirements) | Enter the purpose and Project code /group name | Unacceptable data entered (non - alpha,numeric) | Error Message |

| | | | | | |
|----|-----------------------------|--|--|--|---|
| 03 | Meeting Room booking system | Selecting Options from dropdown box (Location and Preferred Room) | 1)Select one option from the list provided | Valid Selection | Room and Location selected successfully |
| 04 | Meeting Room booking system | Selecting Options from dropdown box (Location and Preferred Room) | 2) If no option selected | Invalid Selection | Error Message |
| 05 | Meeting Room booking system | Button functionality | 1) On clicking Submit the request should be lodged 2)On clicking Clear all the entries for all fields should be cleared 3)On clicking cancel request should be cancelled | Valid submit function Invalid submit function Valid clear Function Invalid clear function Valid cancel function Invalid cancel function | Request submitted Error Message Fields reset Error Message Request Cancelled Error Message |
| 06 | Meeting Room booking system | Time Selection | Select time (start time and End time)in HH-MM-SS format | It should end with am/pm . It should start from 00-23 and be followed by two digits 00-59 (HH-MM-SS)format | Time Selected successfully |
| 07 | Meeting Room booking system | Time Selection | If Select time (start time and End time)is not in format | Invalid Time | Error Message |

4) BVA and ECP for AREA OF TRIANGLE

Lower bound – 1

Upper bound – 50

No.of inputs – 3

LB-1=0 invalid

UB+1=51 invalid

(not acceptable values)

LB+1 =2 valid

UB-1=49 valid

(Acceptable values)

| Side a | Side b | Side c | Area |
|--------|--------|--------|--------------|
| 1 | 50 | 50 | Valid output |
| 2 | 50 | 50 | Valid Output |
| 49 | 50 | 50 | Valid output |
| 51 | 50 | 50 | Invalid |
| 50 | 50 | 50 | Valid output |
| 0 | 50 | 50 | Invalid |

Test Cases

| Test case no | Precondition | Scenario | Action | Test Data | Expected output |
|--------------|------------------|----------------------------|---|---|--|
| 01 | Area of Triangle | 3 Input Values | Enter 3 input values (3 sides) | Check if 3 values are entered | Input values entered successfully |
| 02 | Area of Triangle | 3 Input Values | If 3 values Not Entered | Invalid Values | Error Message |
| 03 | Area of Triangle | Computing Area of Triangle | Calculates area according to the formula for valid inputs | Valid inputs gives valid area of triangle | Area of a triangle calculated successfully |
| 04 | Area of Triangle | Computing Area of Triangle | If invalid Inputs given | Invalid Values | Re-Enter the values |