**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**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TC no | Preconditions | Scenario name | action | Test data | Expected result |
| TC\_001  TC\_002 | Leave tracking  Leave tracking | Type of leave  Type of leave | Select the type of leave from dropdown box  Select the type of leave from dropdown box | Valid leave type(Only one type can be selected)  Invalid leave type (no selection made) | Leave type selection valid  Give Error message  (selection required) |
| TC\_003  TC\_004 | Leave tracking  Leave tracking | Date format  Date format | Date provided should be in DD-MM-YYYY  Format  Date provided should be in DD-MM-YYYY  format | Valid Date format  Invalid date format | Date selection valid  Give Error message |
| TC\_005 | Leave tracking | Button functionality | 1) On clicking submit button leave application should be sent to manager  2) On clicking clear button all the entries should be cleared .  3) On clicking view button the submitted application should be available to view | Valid submit function    Invalid submit function  Valid clear Function  Invalid clear function  Valid view function  Invalid view function | Leave application submitted successfully    Error message  Entries made by user should be cleared successfully  Error Message  Application should be visible  Error Message |
| TC\_006 | Leave tracking | 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**

**BVA and ECP**

Expected completion date -

Lb =10/11/2021

Ub =12/11/2021

Lb-1=09/11/2021 - invalid

Ub+1 =13/11/2021-invalid

Lb-valid

Ub-valid

Ub-1=11/11/2021-valid

Lb+1=11/11/2021-valid

**Test Cases**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TC no | Precondition | Scenario name | Action | Test data | Expected output |
| TC\_001  TC\_002 | Issue registration in HR connect  Issue registration in HR connect | Collecting data from employee (project ID,Location,Reporting Manager )  Collecting data from employee (project ID,Location,Reporting Manager ) | 1)Data provide should match the limitation  (numbers 0-9 and characters)  2)Data provided does not suit the limitations | Valid data provided  Invalid data provide | Employee information collected successfully  Error Message |
| TC\_003  TC\_004 | Issue registration in HR connect  Issue registration in HR connect | Giving issue information (issue, issue category , issue subcategory , security level )  Giving issue information (issue, issue category , issue subcategory , security level ) | Select valid options from dropdown box  If no option selected from dropdown box | Valid data provided  Invalid Data | Issue is recorded successfully  Error Message |
| TC\_005  TC\_006 | Issue registration in HR connect  Issue registration in HR connect | Submit Button functionality  Submit Button functionality | On clicking submit all the validations should be done and issue should be sent to respective person .  If on click validation does not work | Valid submit function  Invalid Submit function | All validations are successful and issue is recorded  Error Message |

**3) MRBS**

**BVA and ECP**

**No.of participants**

Lb=1

Ub=10

Lb-1=0-invalid

Ub+1=11-invalid

Lb+1=2-valid

Ub-1=9-valid

Ub-valid

Lb-valid

**Start/End Date and Time**

Lb =11/11/2021 10:00:00 Am

Ub=11/11/2021 12:00:00 PM

Lb-valid

Ub-valid

Lb-1= 10/11/2021 9:00:00 am – invalid

Ub+1=12/11/2021 01:00:00 pm –invalid

**Test Cases**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TC no | Precondition | Scenario | Action | Test Data | Expected output |
| TC\_001  TC\_002 | Meeting Room booking system  Meeting Room booking system | Giving information (Purpose , Group/project name , no.of participants , additional Requirements )  Giving information (Purpose , Group/project name,no.of participants ,Additional Requirements ) | Enter the purpose and Project code /group name  Enter the purpose and Project code /group name | Acceptable data entered (alpha,numeric)  Unacceptable data entered (non -alpha,numeric) | Verification done  Error Message |
| TC\_003  TC\_004 | Meeting Room booking system  Meeting Room booking system | Selecting Options from dropdown box (Location and Preferred Room )  Selecting Options from dropdown box (Location and Preferred Room ) | 1)Select one option from the list provided  2) If no option selected | Valid Selection  Invalid Selection | Room and Location selected successfully  Error Message |
| TC\_005 | 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 |
| TC\_006  TC\_007 | Meeting Room booking system  Meeting Room booking system | Time Selection  Time Selection | Select time (start time and End time )in HH-MM-SS format  If Select time (start time and End time )is not in 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  Invalid Time | Time Selected successfully  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**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TC no | Precondition | Scenario | Action | Test Data | Expected output |
| TC\_001  TC\_002 | Area of Triangle  Area of Triangle | 3 Input Values  3 Input Values | Enter 3 input values (3 sides)  If 3 values Not Entered | Check if 3 values are entered  Invalid Values | Input values entered successfully  Error Message |
| TC\_003  TC\_004 | Area of Triangle  Area of Triangle | Computing Area of Triangle  Computing Area of Triangle | Calculates area according to the formula for valid inputs  If invalid Inputs given | Valid inputs gives valid area of triangle  Invalid Values | Area of a triangle calculated successfully  Re-Enter the values |