

1)Requirements for ABTS login screen:

BVA:

	Invalid	Valid	Invalid
Username	Less than 4	4 - 15 Special character .	More than 15
Password	Less than 4	4 - 18	More than 15

ECP:

	Invalid	Valid	Invalid	Invalid
Username	0 - 4	4 - 15 Special character .	16 - 99	100
Password	0 - 4	4 - 18	19 - 99	100

Test case:

TC No.	Preconditions	Scenario Name	Action	Test data	Expected Result
TC_001	login screen should be visible	Sign in	1)Enter user name 2)Enter Password 3)Click on Sign in button	valid UN valid Pwd	Sign in successful User can access their account
TC_002	login screen should be visible	Sign in	1)Enter user name 2)Enter Password 3)Click on Sign in button	Invalid UN Valid Pwd	Sign in failure Error message
TC_003	login screen should be visible	Sign in	1)Enter user name 2)Enter Password 3)Click on Sign in button	Valid UN Invalid Pwd	Sign in failure Error message

2) Requirements for LeTS Attendance screen:

BVA:

	Invalid	Valid	Invalid
From date	Before 02/04/2008	02/04/2008 - 30/04/2008	After 30/04/2008
To date	Before 03/04/2008	03/04/2008 - 30/04/2008	After 30/04/2008

ECP:

	Invalid	Valid	Invalid
From date	01/04/2008	02/04/2008 - 30/04/2008	01/05/2008
To date	02/04/2008	03/04/2008 - 30/04/2008	01/05/2008

Test Case:

TC No.	Preconditions	Scenario Name	Action	Test data	Expected Result
TC_001	Attendance screen should be visible	Submit	1)Choose the type of issue 2)Choose the from date 3)Choose the to date 4)Enter the reason for leave 5)Select the sanctioning authority	Valid from date Valid to date	Submitted successfully to the support report manager
TC_002	Attendance screen should be visible	Submit	1)Choose the type of issue 2)Choose the from date 3)Choose the to date 4)Enter the reason for leave 5)Select the sanctioning authority	Invalid from data Valid to date	Submit failure Error message
TC_003	Attendance screen should be visible	Submit	1)Choose the type of issue 2)Choose the from date 3)Choose the to date 4)Enter the reason for leave 5)Select the sanctioning authority	Valid from data Invalid to date	Submit failure Error message
TC_004	Attendance screen should be visible	Clear	Any blank spaces are filled	Valid clear	All the details typed are cleared
TC_005	Attendance screen should be visible	View Report	1)Choose the type of issue 2)Choose the from date 3)Choose the to date 4)Enter the reason for leave 5)Select the sanctioning authority 6)Click submit button	Valid submit	User can view their submitted report

3) Requirements for issue registration in HR connect:

BVA:

	Invalid	Valid	Invalid
Project/dept	Special characters	Alphabets (A-Z, a-z) and numerals (0-9)	Special characters
Extension	Less than 1	1 - 4	More than 4
Reporting Manager	Special characters	Alphabets (A-z, a-z)	Special characters

ECP:

	Invalid	valid	Invalid
Project/dept	Special characters such as . , , ! , @ etc	A -Z, a - z, 0 -9 a -z, A - Z, 0- 9 0-9, A-Z, a-z	Special characters such as . , , ! , @ etc
Extension	0	1 - 4	5 - 99
Reporting Manager	Special characters such as . , , ! , @ etc	A -Z, a - z a -z, A - Z	Special characters such as . , , ! , @ etc

Test case:

TC No.	Precondition	Scenario Name	Action	Test data	Expected Result
TC_001	Login screen should be visible	Login	1)Enter Employee ID 2)Enter Employee Name 3)Enter Email ID	Valid Employee ID Valid Employee Name Valid Email ID	>Login successful >User can access HR issue registration screen >The details are automatically fetched from login page to registration page
TC_002	Login screen should be visible	Login	1)Enter Employee ID 2)Enter Employee Name 3)Enter Email ID	Invalid Employee ID Valid Employee Name Valid Email ID	>Login failure >Error message >The details are not fetched to the registration page
TC_003	Login screen should be visible	Login	1)Enter Employee ID 2)Enter Employee Name 3)Enter Email ID	Valid Employee ID Invalid Employee Name Valid Email ID	>Login failure >Error message >The details are not fetched to the registration page

TC_004	Login screen should be visible	Login	1)Enter Employee ID 2)Enter Employee Name 3)Enter Email ID	Valid Employee ID Valid Employee Name Invalid Email ID	>Login failure >Error message >The details are not fetched to the registration page
TC_005	HR issue registration screen should be visible	Send	1)Enter project/dept 2)Choose location 3)Enter extension 4)Enter the reporting manager 5)Enter the issue 6)Choose issue category, sub category, security level and expected completion time(optional)	Valid project/dept Valid location Valid extension Valid reporting manager Valid issue	Sent successfully
TC_006	HR issue registration screen should be visible	Send	1)Enter project/dept 2)Choose location 3)Enter extension 4)Enter the reporting manager 5)Enter the issue 6)Choose issue category, sub category, security level and expected completion time(optional)	Invalid project/dept Valid location Valid extension Valid reporting manager Valid issue	Send failure Error message
TC_007	HR issue registration screen should be visible	Send	1)Enter project/dept 2)Choose location 3)Enter extension 4)Enter the reporting manager 5)Enter the issue 6)Choose issue category, sub category, security level and expected completion time(optional)	Valid project/dept Blank location Valid extension Valid reporting manager Valid issue	Send failure Error message
TC_008	HR issue registration screen should be visible	Send	1)Enter project/dept 2)Choose location 3)Enter extension 4)Enter the reporting manager 5)Enter the issue 6)Choose issue category, sub category, security level and expected	Valid project/dept Valid location Invalid extension Valid reporting manager Valid issue	Send failure Error message

			completion time(optional)		
TC_009	HR issue registration screen should be visible	Send	1)Enter project/dept 2)Choose location 3)Enter extension 4)Enter the reporting manager 5)Enter the issue 6)Choose issue category, sub category, security level and expected completion time(optional)	Valid project/dept Valid location Valid extension Invalid reporting manager Valid issue	Send failure Error message
TC_010	HR issue registration screen should be visible	Send	1)Enter project/dept 2)Choose location 3)Enter extension 4)Enter the reporting manager 5)Enter the issue 6)Choose issue category, sub category, security level and expected completion time(optional)	Valid project/dept Valid location Invalid extension Valid reporting manager Blank issue	Send failure Error message

4) Requirements for request in MRBS:

BVA:

	Invalid	Valid	Invalid
Group/project	Special characters	Alphabets (A-Z, a-z) and numerals (0-9)	Special characters
Extension	Less than 1	1 - 4	More than 4
Purpose	No. of Characters (A-Z, a-z) less than 30	No. of Characters (A-Z, a-z) allowed is 30	No. of Characters (A-Z, a-z) more than 30

ECP:

	Invalid	valid	Invalid
Group/project	Special characters such as . , , ! , @ etc	A -Z, a - z, 0 -9 a -z, A - Z, 0- 9 0-9, A-Z, a-z	Special characters such as . , , ! , @ etc
Extension	0	1 - 4	5 - 99
Purpose	A -Z, a – z a –z, A-Z No. of Characters : 0 - 29	A -Z, a – z a –z, A-Z No. of Characters : 30	A -Z, a – z a –z, A-Z No. of Characters : 31 - 99

Test case:

TC No.	Precondition	Scenario name	Action	Test data	Expected result
TC_001	Login screen should be visible	Login	1)Enter Employee Name 2)Enter Email ID	Valid Employee Name Valid Email ID	>Login successful User can access MRBS page >The details are automatically fetched from login page to request page
TC_002	Login screen should be visible	Login	1)Enter Employee Name 2)Enter Email ID	Invalid Employee Name Valid Email ID	>Login failure Error message >The details are not fetched to the request page
TC_003	Login screen should be visible	Login	1)Enter Employee Name 2)Enter Email ID	Valid Employee Name Invalid Email ID	>Login failure >Error message >The details are not fetched to the request page
TC_004	Request screen should be visible	Submit	1)Enter purpose 2)Enter group/project (optional) 3)Choose location 4)Choose Preferred room(optional) 5)Choose additional requirements or type it(optional) 6)Enter extension	Valid purpose Valid location Valid extension	Submitted successfully
TC_005	Request screen	Submit	1)Enter purpose 2)Enter group/project (optional)	Invalid purpose Valid location	Submit failure Error message

	should be visible		3)Choose location 4)Choose Preferred room(optional) 5)Choose additional requirements or type it(optional) 6)Enter extension	Valid extension	
TC_006	Request screen should be visible	Submit	1)Enter purpose 2)Enter group/project (optional) 3)Choose location 4)Choose Preferred room(optional) 5)Choose additional requirements or type it(optional) 6)Enter extension	Valid purpose Blank location Valid extension	Submit failure Error message
TC_007	Request screen should be visible	Submit	1)Enter purpose 2)Enter group/project (optional) 3)Choose location 4)Choose Preferred room(optional) 5)Choose additional requirements or type it(optional) 6)Enter extension	Valid purpose Valid location Invalid extension	Submit failure Error message

5)Computing area of triangle

BVA:

	Invalid	Valid	Invalid
1 st condition	Less than 1	1 - 99	More than 99
2 nd condition	Sum of any 2 values less than third value	Sum of any 2 values equal to third value	Sum of any 2 values more than third value

ECP:

	Invalid	Valid	Invalid
1 st condition	0	1 - 99	100
2 nd condition	a+ b < c b+ c < a c+ a < b	a+ b = c b+ c = a c+ a = b	a+ b > c b+ c > a c+ a > b

Test area:

TC No.	Precondition	Scenario name	Action	Test data	Expected Result
TC_001	Accepting the side values of triangle screen should be visible	Compute Area	1)Enter the value a 2)Enter the value b 3)Enter the value c	Valid value of a Valid value of b Valid value of c	1 st condition is satisfied Control goes to check 2 nd condition
TC_002	Accepting the side values of triangle screen should be visible	Compute Area	1)Enter the value a 2)Enter the value b 3)Enter the value c	Invalid value of a Valid value of b Valid value of c	1 st condition is not satisfied Error message Re-enter the values
TC_003	Accepting the side values of triangle screen should be visible	Compute Area	1)Enter the value a 2)Enter the value b 3)Enter the value c	Valid value of a Invalid value of b Valid value of c	1 st condition is not satisfied Error message Re-enter the values
TC_004	Accepting the side values of triangle screen should be visible	Compute Area	1)Enter the value a 2)Enter the value b 3)Enter the value c	Valid value of a Valid value of b Invalid value of c	1 st condition is not satisfied Error message Re-enter the values
TC_005	Accepting the side values of triangle screen should be visible	Compute Area	1 st condition is satisfied	Valid sum of any two values is equal to third value	2 nd condition is satisfied Control goes to compute area of the triangle
TC_006	Accepting the side values of triangle screen should be visible	Compute Area	1 st condition is not satisfied	Invalid sum of any two values is equal to third value	2 nd condition not satisfied Error message Re-enter the values

BVA – Boundary Value Analysis

ECP – Equivalent Class Partitioning