

Black Box Testing

Company Side

Company Registration

1) Company name:

Constraints		Example	Response
At least 3 characters	At max 50 characters		
Valid	Valid	Sprinklr	Valid Company Name
Valid	Invalid	New Era Technology and Digital Solution Private Limited (51 characters)	Error: Please enter valid Company Name matching the constraints.
Invalid	Invalid	IB	
Boundary Value Analysis			
Exactly 3 characters	Valid	IBM	Valid Company Name
Valid	Exactly 50 characters	Techno Technology and Digital Solution Private Limited	Valid Company Name

2) Industry Type

Error: Able to enter any value for Compant type.

Boundary Value Analysis	Expected Output	Displayed Output
Value within range(3 – 40 char)	Valid Input	Valid Input
Value exceed 40 char (ex: Biotechnology Research and Development for Sustainable Agricultural Innovations)	Invalid Input	Invalid Input (Message: Please match the requested range)
Value below 3 char(ex: IT)	Invalid Input	Invalid Input (Message: Please match the requested range)

3) Company description

Boundary Value Analysis	Expected Output	Displayed Output
Length of entered Value in given range (Maximum range of letter is 500)	Valid Company description	Valid Company description
Empty	Invalid input	Invalid Input (Message: Mandatory field should be filled)

4) Company location(Address)

Boundary Value Analysis	Expected Output	Displayed Output
String Value (Maximum range of letter is 500)	Valid Company location	Valid Company location
Empty	Invalid input	Invalid Input (Message: Please match therequested format)

5) Employee Name:

Equivalence Partition	Expected Output	Displayed Output
Valid value (Not null). E.g. Dhyey	Valid Input	Valid input
Null value	Invalid Input	Invalid Input

6) Designation

Boundary Value Analysis	Expected Output	Displayed Output
Value within range(3 – 50 char)	Valid Input	Valid Input
Value exceed 50 char (ex: Chief Executive Officer and President of Global Strategic Operations and Innovations)	Invalid Input	Invalid Input (Message: Please match the requested range)
Value below 3 char(ex: CEO)	Invalid Input	Invalid Input (Message: Please match the requested range)

7) Contact Number:

Equivalence Partitions	Expected Output	Displayed Output
Mobile number with 10 digits. E.g. 12345-67890	Valid mobile number	Valid mobile number
Mobile number with less than 10 digits. E.g. 1234-6789	Invalid mobile number	Invalid mobile number (Message: Please match the requested format)
Mobile number with more than 10 digits. E.g. 123451-678901	Invalid mobile number	Invalid mobile number (Message: Please match the requested format)
Mobile number with non-numeric values. E.g. abs24-dgd34	Invalid mobile number	Invalid mobile number (Message: Please match the requested format)
Mobile number without the hyphen or any other value. E.g. 1234567890/12345=67890	Invalid mobile number	Invalid mobile number (Message: Please match the requested format)
Mobile number with hyphen not after 5 digits. E.g. 1234-567890	Invalid mobile number	Invalid mobile number (Message: Please match the requested format)

Boundary Value Analysis	Expected Output	Displayed Output
Mobile number with 10 digits. E.g. 12345-67890	Valid mobile number	Valid mobile number
Mobile number with 9 digits. E.g. 12345-6789	Invalid mobile number	Invalid mobile number (Message: Please match the requested format)
Mobile number with 11 digits. E.g. 12345-678901	Invalid mobile number	Invalid mobile number (Message: Please match the requested format)

8) Email ID

Input	Expected Output	Covered Edge Case	Displayed Output with error message
202101182@daiict.ac.in	Valid Email Address	Email Address with all	Valid Email Address

		conditions satisfied	
@daiict.ac.in	Invalid Email Address	Email Address without any prefix.	Invalid Email Address(Message: Please enter apart followed by @)
202101182daiict.ac.in	Invalid Email Address	Email Address without @.	Invalid Email Address(Message: Please include a@ in the email address)
202101182@.in	Invalid Email Address	Email Address without email client after @.	Invalid Email Address(Message: . is used at wrongposition)
202101182@	Invalid Email Address	Email Address without domain.	Invalid Email Address(Message: Please enter apart following @)
202101182@daiict	Invalid Email Address	Email Address without TLD.	Invalid Email Address(Message: Please match therequested format)
202101182@daiict.ac.in	Error message	Using the same email that has already registered.	Error message(DuplicateKey Error)

9) Password, Change password and Confirm Password

Error: Every Password input was getting accepted.

After Fixing Error:

Condition					Example	Output
Atleast 8 characters and atmost 15 char	Atleast one number	Atleast one upper case	Atleast one lower case	Atleast one special character		
Valid	Valid	Valid	Valid	Valid	Dhyey@1234	Valid Input
Valid	Valid	Valid	Valid	Invalid	Dhyey12345	Error Message: Please match the requested format
Valid	Valid	Valid	Invalid	Valid	DHYEY@1234	
Valid	Valid	Valid	Invalid	Invalid	DHYEY12345	
Valid	Valid	Invalid	Valid	Valid	dhyey@1234	

Valid	Valid	Invalid	Valid	Invalid	dhyey12345	
Valid	Valid	Invalid	Invalid	Valid	1234567@	
Valid	Valid	Invalid	Invalid	Invalid	12345678	
Valid	Invalid	Valid	Valid	Valid	Dhyey@Pas s	
Valid	Invalid	Valid	Valid	Invalid	DhyeyPass	
Valid	Invalid	Valid	Invalid	Valid	DHYEY@P ASS	
Valid	Invalid	Valid	Invalid	Invalid	DHYEYPASS	Error Message: Please match the requested format
Valid	Invalid	Invalid	Valid	Valid	dhyey@pass	
Valid	Invalid	Invalid	Valid	Invalid	dhyeypass	
Valid	Invalid	Invalid	Invalid	Valid	@@@@ @@@@	
Valid	Invalid	Invalid	Invalid	Invalid	NA	
Invalid	Valid	Valid	Valid	Valid	Dh@123	
Invalid	Valid	Valid	Valid	Invalid	Dhyey 123	
Invalid	Valid	Valid	Invalid	Valid	DHYEY@12	
Invalid	Valid	Valid	Invalid	Invalid	DHYEY12	
Invalid	Valid	Invalid	Valid	Valid	dhyey@12	
Invalid	Valid	Invalid	Valid	Invalid	dhyey12	
Invalid	Valid	Invalid	Invalid	Valid	1234@	
Invalid	Valid	Invalid	Invalid	Invalid	1234	
Invalid	Invalid	Valid	Valid	Valid	Dhyey@	
Invalid	Invalid	Valid	Valid	Invalid	Dhyey	
Invalid	Invalid	Valid	Invalid	Valid	DHYEY@	
Invalid	Invalid	Valid	Invalid	Invalid	DHYEY	
Invalid	Invalid	Invalid	Valid	Valid	dhyey@	
Invalid	Invalid	Invalid	Valid	Invalid	dhyey	
Invalid	Invalid	Invalid	Invalid	Valid	@@@@	
Invalid	Invalid	Invalid	Invalid	Invalid	Blank	

Selected Company photo format should be jpeg,jpg or png. Any other format will not be accepted.

Job post:

10) Job Title

Input	Expected Output	Displayed Output
Valid Input (Not Null) (abcdefgh)	Valid Input	Valid Input
Job Title Null()	Invalid Input	Invalid Input (Message - Enter all required fields)
	Boundary Value Analysis	
Value between 3 to 50 character (ex: Data Scientist, Project Manager)	Valid Input	Valid Input
Value exceed 50 character (ex: Director of Strategic Innovation and Business Development for Sustainable Technologies and Market Expansion)	Invalid Input	Invalid Input
Value less than 3 character (ex: HR)	Invalid Input	Invalid Input

11) Role & Responsibilities

Input	Expected Output	Displayed Output
Valid Input (Not Null) (abcdefgh)	Valid Input	Valid Input
Role & Responsibilities Null()	Invalid Input	Invalid Input (Message - Enter all required fields)

	Boundary Value Analysis	
Value between 0 to 100 letter	Valid Input	Valid Input
Value exceed 100 letter or Empty	Invalid Input	Invalid Input

12) Experience

Input	Expected Output	Displayed Output
Negative value(ex: -1, -2,- 5)	Invalid Input	Error Message (Mesaage: Experience Value can not be neagative.)
Null Value (Value = 0)	Valid Input	Valid Input (Fresher has zero experience of Job intially.)
Value in between 1 to 25(ex: 2,7,11)	Valid Input	Valid Input
Value eceeding 25 (ex:31, 40,35)	Invalid Input	Error Message (Message: Experience value cannot exceed 25 years)

13) Key Skills

Boundary Value Analysis	Expected Output	Displayed Output
Selected Value given in dropdown menu(ex: C, C++, HTML, CSS)	Valid Input	Valid Input
Empty	Invalid Input	Invalid Input (Message: Mandatory field should be filled)

14) Employment Type

Company must select one of the value given three different value which is given there.

Ex: Intern, Part Time, Full Time

15) Work Mode

Company must select one of the value given three different value which is given there.

Ex: Office, Remote and Hybrid.

16) Salary

Boundary Value Analysis	Expected Output	Displayed Output
Value within range(5k – 5Lakh)	Valid Input	Valid Input
Value above 5Lakh(ex: 750000)	Invalid Input	Invalid Input (Message: Please enter the value in given range)
Value below 5k(ex: 3000)	Invalid Input	Invalid Input (Message: Please enter the value in given range)

17) Location(Address)

Boundary Value Analysis	Expected Output	Displayed Output
Character Value (Maximum range of letter is 500)	Valid Company location	Valid Company location
Empty	Invalid input	Invalid Input (Message: Please match therequested format)

18) Last Date

Input	Expected Output	Displayed Output
Future date (02-01-2024)	Valid date	Valid date
Past Date (14-11-2023)	Invalid date	Invalid date

Null Value	Invalid date	Invalid date (Message - Enter all required fields)
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19) Degree

Boundary Value Analysis	Expected Output	Displayed Output
Selected Value given in dropdown menu(ex: Btech, Mtech, PhD)	Valid Input	Valid Input
Empty	Invalid Input	Invalid Input (Message: Mandatory field should be filled)

20) Perks and benefit

Boundary Value Analysis	Expected Output	Displayed Output
Length of entered Value in given range (Maximum range of letter is 500)	Valid Input	Valid Input
Empty	Invalid input	Invalid Input (Message: Mandatory field should be filled)

21) Company profile

All attribute like Company name, Company type, Number, Email, Designation and name are same as Company registration. Just the purpose of this page is to see company details which is entered during Company registration.

22) Job posting

Job posting page shows the total Job posted by a company. It is only displayed when Company is registered in the website.

23) About Us

About Us contain all information regarding Company. Which is filled by Company during the registration process of the company.

User Side

1) User_Login

Email id	password	Output
null	null	Please fill out the field
Correct email id Ex : 202101175@daiict.ac.in	null	Please fill out the field
null	Input@1234	Please fill out the field
Wrong email id Ex : 202101175@daiict	Input@1234 (correct password)	You are not Registered. You have to register.
Correct email id but not registered Ex : 202101175@daiict.ac.in	Input@1234 (correct password)	You are not Registered. You have to register.
Correct registered email id Ex : 202101175@daiict.ac.in	input@1111 (Wrong password)	Incorrect email or password
Correct registered email id Ex : 202101175@daiict.ac.in	Input@1234 (correct password)	Render home page

User registration and Edit Profile

2) Name:

Equivalence Partition	Expected Output	Displayed Output
Valid value (Not null). E.g.	Valid Input	Valid input

Random Length must be between 3-50		
Null value	Invalid Input	Invalid Input

3) Email id

Input	Expected Output	Edge Case	Displayed Output
2021_01.175@daiict. ac.in	Valid Email Address	Email Address with all conditions satisfied	Valid Email Address
@daiict.ac.in	Invalid Email Address	Email Address without any prefix.	Invalid Email Address(Message: Please enter a part followed by @)
2021_01.175daiict.ac .in	Invalid Email Address	Email Address without @.	Invalid Email Address(Message: Please include a @ in the email address)
2021_01.175@.in	Invalid Email Address	Email Address without email client after @.	Invalid Email Address(Message: . is used at wrong position)
2021_01.175@	Invalid Email Address	Email Address without domain.	Invalid Email Address(Message: Please enter a part following @)
2021_01.175@daiict	Invalid Email Address	Email Address without TLD.	Invalid Email Address(Message: Please match the requested format)
2021_01.175@daiict. ac.in	Error message	Using the same email that has already registered.	Error message(Duplicate Key Error)

4) Password, Change password and Confirm Password

Both passwords Must be the same otherwise error message shows as “Please match the requested format”

After Fixing Error:

Condition					Example	Output
At Least 8 and At max 15 characters	At Least one number	At Least one upper case	At Least one lower case	At Least one special character		
Valid	Valid	Valid	Valid	Valid	Input@1234	Valid Input
Valid	Valid	Valid	Valid	Invalid	Input12345	Error Message: Please match the requested format
Valid	Valid	Valid	Invalid	Valid	INPUT@1234	
Valid	Valid	Valid	Invalid	Invalid	INP{UT12345	
Valid	Valid	Invalid	Valid	Valid	input@1234	
Valid	Valid	Invalid	Valid	Invalid	input12345	
Valid	Valid	Invalid	Invalid	Valid	1234567@	
Valid	Valid	Invalid	Invalid	Invalid	12345678	
Valid	Invalid	Valid	Valid	Valid	Input@Test	
Valid	Invalid	Valid	Valid	Invalid	InputTest	
Valid	Invalid	Valid	Invalid	Valid	INPUT@TEST	

Valid	Invalid	Valid	Invalid	Invalid	INPUTTEST	Error Message: Please match the requeste d format
Valid	Invalid	Invalid	Valid	Valid	input@test	
Valid	Invalid	Invalid	Valid	Invalid	inputtest	
Valid	Invalid	Invalid	Invalid	Valid	@#&**& #@	
Valid	Invalid	Invalid	Invalid	Invalid	NA	
Invalid	Valid	Valid	Valid	Valid	Input@123	
Invalid	Valid	Valid	Valid	Invalid	Input123	
Invalid	Valid	Valid	Invalid	Valid	INPUT@12	
Invalid	Valid	Valid	Invalid	Invalid	INPUT19	
Invalid	Valid	Invalid	Valid	Valid	Inpu@12	
Invalid	Valid	Invalid	Valid	Invalid	input12	
Invalid	Valid	Invalid	Invalid	Valid	1234@12	
Invalid	Valid	Invalid	Invalid	Invalid	123456	
Invalid	Invalid	Valid	Valid	Valid	Input@	
Invalid	Invalid	Valid	Valid	Invalid	Input	
Invalid	Invalid	Valid	Invalid	Valid	INPUT@	
Invalid	Invalid	Valid	Invalid	Invalid	INPUT	
Invalid	Invalid	Invalid	Valid	Valid	input@	
Invalid	Invalid	Invalid	Valid	Invalid	InPut	
Invalid	Invalid	Invalid	Invalid	Valid	@##@	
Invalid	Invalid	Invalid	Invalid	Invalid	blank	

5) Mobile Number:

Equivalence Partitions	Expected Output	Displayed Output
Mobile number with 10 digits. E.g. 12345-67890	Valid mobile number	Valid mobile number
Mobile number with less than 10 digits. E.g. 1234-6789	Invalid mobile number	Invalid mobile number (Message: Please match the requested format)
Mobile number with more than 10 digits. E.g. 123451-678901	Invalid mobile number	Invalid mobile number (Message: Please match the requested format)
Mobile number with non-numeric values. E.g. abs24-dgd34	Invalid mobile number	Invalid mobile number (Message: Please match the requested format)
Mobile number without the hyphen or any other value. E.g. 1234567890/12345=67890	Invalid mobile number	Invalid mobile number (Message: Please match the requested format)
Mobile number with hyphen not after 5 digits. E.g. 1234-567890	Invalid mobile number	Invalid mobile number (Message: Please match the requested format)

Boundary Value Analysis	Expected Output	Displayed Output
Mobile number with 10 digits. E.g. 12345-67890	Valid mobile number	Valid mobile number

Mobile number with 9 digits. E.g. 12345-6789	Invalid mobile number	Invalid mobile number (Message: Please match the requested format)
Mobile number with 11 digits. E.g. 12345-678901	Invalid mobile number	Invalid mobile number (Message: Please match the requested format)

6) Date of birth

- **Equivalence Partitioning:**

Equivalence Partitioning for Month:

a. Input: (15, 2, 2000)

Expected Outcome: Valid dob

b. Input: (15, 0, 2000)

Expected Outcome : Invalid dob

c. Input: (15, 13, 2000)

Expected Outcome : Invalid dob

Equivalence Partitioning for Day:

a. Input: (1, 6, 2005)

Expected Outcome: Valid dob

b. Input: (0, 6, 2005)

Expected Outcome : Invalid dob

c. Input: (32, 6, 2005)

Expected Outcome: Invalid dob

Equivalence Partitioning for Year:

a. Input: (31, 12, 1977)

Expected Outcome : Invalid dob

b. Input: (20, 5, 2006)

Expected Outcome : Valid date

c. Input: (1,1,2007)

Expected Outcome : Invalid dob

7) Gender

- Users can choose only one option from Male,Female and Other.
- It is mandatory to fill one of them.

Input	Output
Male	Valid
Female	Valid
Other	Valid

My profile

8) Technical Skills should be chosen amongst PHP, HTML, CSS, Java etc or Manually typed.

3785343	Invalid
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- 11) Experience should be chosen as fresher or the number like 1,2,3 etc. negative numbers are not allowed.**

Input	Output
Null / 0 - Fresher	valid
Positive integer (<31) Ex : 2,4,7	valid
Negative integer	Invalid
42	Invalid

- **EDUCATION**

- 12) Highest Education/Degree selected among the Bachelors , Masters and Phd.**

Input / selected Education	Expected output
Null	Please fill the details
Bachelors , Masters and Phd.	valid

- 13) College or University names includes only characters 'a-z' , 'A-Z' not numbers and special characters.**

Input	Expected Output
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DAIICT	Valid
Nirma University	Valid
Random word Ex: wcdsc	Valid
Number in word Ex : Nirma23 , 3445 , Nirma% etc	Invalid

14) Field of study selected amongst the ICT , ECE and CSE.

Input / selected course	Output
Null	Please fill the details
Valid course Ex : ICT , ECE and CSE.	valid

15) 10th and 12th Percentage must be correct and matching with the result.

Input	Expected Output
Null (empty)	Invalid
Positive Integers(<=100) Ex : 0 , 4 , 67	valid
Integers(>100) Ex : 104 , 563	Invalid
Negative integers	Invalid

16) Job_Type

Input / select job type	Expected output
Null	Please fill the details
Valid job type Ex : data scientist , data engineer etc.	Valid
Other / type manually Ex : Backend/Frontend specialist etc ..	Valid
Numbers or special characters Ex : 23 , Develpoer34 , data*scientist	Invalid

17) Salary

Input / select salary	Output
Null	Please fill the details
Valid salary range Ex : 20,000 - 50,000 , 80,000 - 1,00,000 etc.	Valid
Other random salary range Ex : 100-300 , 1,00,00,000 - 4,00,00,000 etc	Invalid

18) Work location

Input	Output
Null	Please fill the details
Valid city name Ex : pune , mumbai , ahmedabad etc	Valid
Random name Ex: Morbi , Rajkot , Kanpur	Invalid

Searching

- 1) If the user types any correct keyword for searching then specific job posts should be displayed.
Ex : 'a' , 'amazon' , 'goo' , 'sprinkler' etc
- 2) If the user types wrong words that are not matching with any job posts name then default posts should be displayed.
Ex : '&' , '#' , '3' etc.
- 3) Users can search with company name , job title and location .

Input	Valid / Invalid	Displayed Output
Single Character Ex : 'a-z' , 'A-Z'	Valid	Jobs posts start with that character
Valid World Ex : Google , Minrosoft ...	Valid	Jobs posts start with that character
Number Ex : 8	Invalid	Null
Special Character	Invalid	Nul

K	Valid	Job posts with company name start with 'K'
Sprinkler	Valid	Job posts with company name as Sprinkler
software	Valid	Job posts with title as Software
Gandhinagar	Valid	Job posts with location Gandhinagar
#	Invalid	Null
10,000	Invalid	Null
Null	Invalid	Null

19) Filters

Users can manually select any filter and filtered job posts will display.