

# **Black Box Testing for Sign up Page**

## **For Buyer & seller**

### **1. First Name & Last Name Fields**

- **EC1:** Valid input (alphabetic characters).
- **EC2:** Invalid input (numeric or special characters).
- **EC3:** Empty input.

### **2. Username Field**

- **EC4:** Valid input (alphanumeric characters ,Unique).
- **EC5:** Invalid input (special characters not allowed).
- **EC6:** Empty input.

### **3. Email Field**

- **EC7:** Valid email(unique)
- **EC8:** Invalid email (missing "@" or ".com").
- **EC9:** Empty input.

### **4. Password Field**

- **EC10:** Valid password (e.g., "Password@123").
- **EC11:** Invalid password (less than 8 characters).
- **EC12:** Invalid password (missing at least one lowercase letter).
- **EC13:** Invalid password (missing at least one capital letter).
- **EC14:** Invalid password (missing at least one number).
- **EC15:** Invalid password (missing at least one special character).
- **EC16:** Empty input.

### **5. Phone Number Field**

- **EC17:** Valid phone number (e.g., "+911234567890").
  - **EC18:** Invalid phone number (less than 10 digits).
  - **EC20:** Empty input.
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**Black Box Testing Table**

Sr. No	Equivalence Class Covered	All Required Inputs	Expected Output	Actual Output
1	EC1, EC4, EC7, EC10, EC17	First Name: "ram", Last Name: "patel", Username: "ram121", Email: "ram1@gmail.com", Password: "Ram@1234", Phone: "+91 25252-26485"	Successful registration message	Successful registration message
2	EC2	First Name: "ram123", Last Name: "patel", Username: "ram122", Email: "ram1@gmail.com", Password: "Ram@1234", Phone: "+91 25252-26485"	Error: Invalid first name	Error: Invalid first name
3	EC2	First Name: "ram patel", Last Name: "patel", Username: "ram132", Email: " <a href="mailto:ram12@gmail.com">ram12@gmail.com</a> ", Password: "Ram@1234", Phone: "+91 25252-26485"	Error: Invalid first name	Error: Invalid first name
4	EC2	First Name: "raml", Last Name: "patel11", Username: "ram132", Email: " <a href="mailto:ram12@gmail.com">ram12@gmail.com</a> ", Password: "Ram@1234", Phone: "+91 25252-26485"	Error: Invalid Last name	Error: Invalid Last name

5	EC3	First Name: "ram", Last Name: "", Username: "ram123", Email: "ram2@gmail.com", Password: "Ram@1234", Phone: "+91 25252-26485"	Error: Empty last name	Error: Empty last name
6	EC5	First Name: "ram", Last Name: "patel", Username: "ram121@", Email: "ram3@gmail.com", Password: "Ram@1234", Phone: "+91 25252-26485"	Error: Invalid username	Error: Invalid username
7	EC5	First Name: "ram", Last Name: "patel", Username: "ram131", Email: " <a href="mailto:ram12@gmail.com">ram12@gmail.com</a> ", Password: "Ram@1234", Phone: "+91 25252-26485"	Error:Username e Taken	Error:something Went wrong
8	EC6	First Name: "ram", Last Name: "patel", Username: "", Email: "ram4@gmail.com", Password: "Ram@1234", Phone: "+91 25252-26485"	Error: Empty Username	Error: Empty Username
9	EC8	First Name: "ram", Last Name: "patel", Username: "ram124", Email: "ram.com", Password: "Ram@1234", Phone: "+91 25252-26485"	Error: Invalid email	Error: Invalid email

10	EC8	First Name: "ram", Last Name: "patel", Username: "ram132", Email: " <a href="mailto:ram12@gmail.com">ram12@gmail.com</a> ", Password: "Ram@1234", Phone: "+91 25252-26485"	Error:email already in use	Error:something Went wrong
11	EC8	First Name: "raml", Last Name: "patel11", Username: "ram132", Email: " <a href="mailto:ram12@gmail.com">ram12@gmail</a> ", Password: "Ram@1234", Phone: "+91 25252-26485"	Error:Invalid Email	Error:Invalid Email
12	EC9	First Name: "ram", Last Name: "patel", Username: "ram125", Email: "", Password: "Ram@1234", Phone: "+91 25252-26485"	Error: Empty Email	Error: Empty Email
13	EC11	First Name: "ram", Last Name: "patel", Username: "ram125", Email: "ram4@gmail.com", Password: "Ram@123", Phone: "+91 25252-26485"	Error: Password must have 8 characters	Error: Password must have 8 characters
14	EC12	First Name: "ram", Last Name: "patel", Username: "ram126", Email: "ram5@gmail.com", Password: "R@1234", Phone: "+91 25252-26485"	Error: Password must have a small letter	Error: Password must have a small letter

15	EC13	First Name: "ram", Last Name: "patel", Username: "ram126", Email: "ram6@gmail.com", Password: "ram@1234", Phone: "+91 25252-26485"	Error: Password must have big letter	Error: Password must have big letter
16	EC14	First Name: "ram", Last Name: "patel", Username: "ram127", Email: "ram7@gmail.com", Password: "Ram@aaaa", Phone: "+91 25252-26485"	Error: Password must have a number	Error: Password must have a number
17	EC15	First Name: "ram", Last Name: "patel", Username: "ram128", Email: "ram8@gmail.com", Password: "Rama1234", Phone: "+91 25252-26485"	Error: Password must have a special character	Error: Password must have a special character
18	EC16	First Name: "ram", Last Name: "patel", Username: "ram129", Email: "ram9@gmail.com", Password: "", Phone: "+91 25252-26485"	Error: Empty Password	Error: Empty Password
19	EC18	First Name: "ram", Last Name: "patel", Username: "ram130", Email: "ram10@gmail.com", Password: "Ram@1234", Phone: "+91 11111-1111"	Error: Invalid phone number	Error: Invalid phone number

20	EC20	First Name: "ram", Last Name: "patel", Username: "ram131", Email: "ram11@gmail.com", Password: "Ram@1234", Phone: ""	Error: Empty Phone	Error: Empty Phone
21	EC3, EC6, EC9, EC16, EC20	All fields empty	Error: All fields are required	Error: All fields are required