

Black Box Testing
GROUP 34



Reset Password Page

Constraints

New Password

1. Minimum length: 8 characters.
2. Maximum length: 20 characters.
3. Must contain:
 - At least one uppercase letter (A-Z).
 - At least one lowercase letter (a-z).
 - At least one digit (0-9).
 - At least one special character (!@#\$%^&*).
4. No spaces allowed.

Confirm New Password

1. Must match the New Password.

Equivalence Class Partitioning

New Password

- **Valid:**
 - **E1:** Meets all constraints.
Example: P@ssw0rd1.
- **Invalid:**
 - **E2:** Less than 8 characters.
Example: P@ss1.
 - **E3:** More than 20 characters.
Example: P@ssw0rd12345678901234.
 - **E4:** Missing an uppercase letter.
Example: p@ssw0rd1.
 - **E5:** Missing a lowercase letter.
Example: P@SSW0RD1.
 - **E6:** Missing a digit.
Example: P@ssword!.
 - **E7:** Missing a special character.
Example: Passw0rd1.
 - **E8:** Contains spaces.
Example: P@ss w0rd1.

Confirm New Password

- **Valid:**
 - **E9:** Matches the New Password.
- **Invalid:**
 - **E10:** Does not match the New Password.
Example: P@ssw0rd1 (New Password), P@ssw0rd2 (Confirm New Password).

Test Cases (Boundary Value Analysis) :

Test Case 1

- **Input:**
New Password: P@ssw0rd1, Confirm New Password: P@ssw0rd1.
- **Equivalence Classes Covered:** E1, E9.
- **Result:** Successful.

Test Case 2

- **Input:**
New Password: Str0ng@123, Confirm New Password: Str0ng@123.
- **Equivalence Classes Covered:** E1, E9.
- **Result:** Successful.

Test Case 3

- **Input:**
New Password: P@ss1, Confirm New Password: P@ss1.
- **Equivalence Classes Covered:** E2.
- **Result:** Error occurred.

Test Case 4

- **Input:**
New Password: P@ssw0rd12345678901234, Confirm New Password: P@ssw0rd12345678901234.
- **Equivalence Classes Covered:** E3.
- **Result:** Error occurred.

Test Case 5

- **Input:**
New Password: p@ssw0rd1, Confirm New Password: p@ssw0rd1.
- **Equivalence Classes Covered:** E4.
- **Result:** Error occurred.

Test Case 6

- **Input:**
New Password: P@SSW0RD1, Confirm New Password: P@SSW0RD1.
- **Equivalence Classes Covered:** E5.
- **Result:** Error occurred.

Test Case 7

- **Input:**
New Password: P@ssword!, Confirm New Password: P@ssword!.
- **Equivalence Classes Covered:** E6.
- **Result:** Error occurred.

Test Case 8

- **Input:**
New Password: Passw0rd1, Confirm New Password: Passw0rd1.
- **Equivalence Classes Covered:** E7.
- **Result:** Error occurred.

Test Case 9

- **Input:**
New Password: P@ss w0rd1, Confirm New Password: P@ss w0rd1.
- **Equivalence Classes Covered:** E8.
- **Result:** Error occurred.

Test Case 10

- **Input:**
New Password: P@ssw0rd1, Confirm New Password: P@ssw0rd2.
- **Equivalence Classes Covered:** E10.
- **Result:** Error occurred.