

Black Box Testing
GROUP 34



Forgot Password
Page

Constraints

Email

1. Must contain "@" and "." (e.g., example@gmail.com).
2. Must have characters before "@" and after the last ".".
3. No spaces allowed.
4. Length must be between 5 and 320 characters (per RFC 5321).

Equivalence Classes:

Email Equivalence Classes

1. E1: Valid email that meets all constraints (e.g., user@example.com).
2. E2: Missing the @ symbol (e.g., examplegmail.com).
3. E3: Missing the . symbol (e.g., user@examplecom).
4. E4: Contains spaces (e.g., user @example.com).
5. E5: Too short (< 5 characters, e.g., a@b.c).
6. E6: Too long (> 320 characters, e.g., repeated 321 times followed by @example.com).
7. E7: Invalid characters in the email (e.g., user#example.com).

Test Cases :

Test Case ID	Input	Equivalence Class	Expected Result
TC1	user@example.com	E1	Send OTP successfully.
TC2	examplegmail.com	E2	Error: Missing the @ symbol
TC3	user@examplecom	E3	Error: Missing the . symbol
TC4	user @example.com	E4	Error: Contains spaces
TC5	a@b.c	E5	Error: Too short
TC6	a(repeated 321 times followed by) @example.com	E6	Error: Too long
TC7	<user>@example.com	E7	Error: Invalid characters in the email