PROJECT: EXPENSIFY

IT314 – SOFTWARE ENGINEERING GROUP 26

TASK: SYSTEM TESTING [SIGN UP AND LOG IN]

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BlackBox Testing

1. Signup test:

Username constraints:

Username must contain one non-number character

Email constraints:

Should contain '@' sign with character before and after.

Should not already be registered.

Should not have empty character

Password constraints:

Your password must contain 8 or more characters.

Equivalence class partitioning:

Note: Each attribute of the equivalence table which satisfies their constraints is considered as the valid input otherwise it will be considered as invalid input.

Equivalence class	Username	E-mail	Password	Result
E1	valid	valid	valid	success
E2	valid	invalid	valid	error
E3	valid	valid	invalid	error
E4	valid	invalid	invalid	error
E5	invalid	valid	valid	error
E6	invalid	invalid	valid	error
E7	invalid	valid	invalid	error
E8	Invalid	invalid	invalid	error

Boundary Value Analysis:

Username	E-mail	Password	Expected Output	Actual Output	Reason
Antony123	abd@	Abcd@123	fail	fail	Email constraint
Antony123	@gmail.com	Abcd@123	fail	fail	Email constraint
123456	abcd@gmail.com	Abcd@123	fail	fail	Username Constraint
Antony123	abcd@gmail.com	abcd@12	fail	fail	Password constraint
Antony123	abce@gmail.com	Abcd@123	success		E-mail Should not be used before

2. Login Test:

Email constraint:

Required field (cannot be empty), already registered.

Password constraint:

Required field (cannot be empty) (not checking for another constraints as it is already stored in database)

Equivalence class partitioning:

Note: Each attribute of the equivalence table which satisfies their constraints is considered as the valid input otherwise it will be considered as invalid input.

Equivalence class	Username or Email	Password	Result
E1	valid	valid	success
E2	invalid	Valid	error
E3	valid	invalid	error
E8	invalid	invalid	error

Boundary Value Analysis:

E-mail	Password	Expected Output	Actual Output	Reason
a@	Abcd@123	fail	fail	Email constraint
@gmail.com	Abcd@123	fail	fail	Email constraint
abc@gmail.com	abcd@123	fail	fail	Password constraint
abc@gmail.com	Abcd@123	success	fail	If E-mail Is not registered
abc@gmail.com	Abcd@123	success	success	If E-mail Is registered

Acceptance Testing

1. SIGN UP:

Test: 1

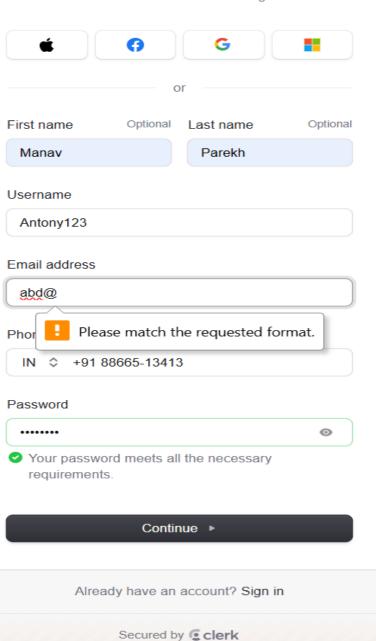
Username: Antony@123

Email: abd@

password: Abcd@123

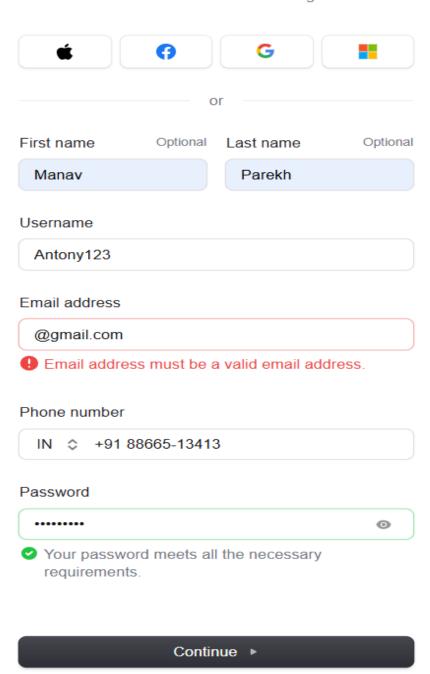
Output: Invalid

Create your account



Username: Antony@123 Email: @gmail.com password: Abcd@123 Output: Invalid

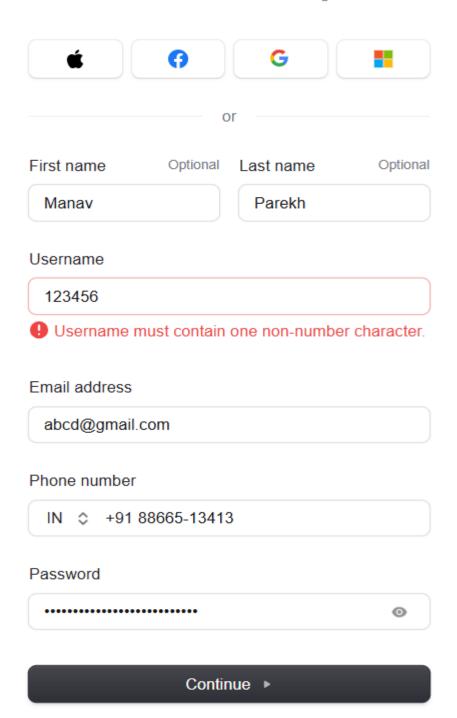
Create your account



Username: 123456

Email: abcd@gmail.com password: Abcd@123 Output: Invalid

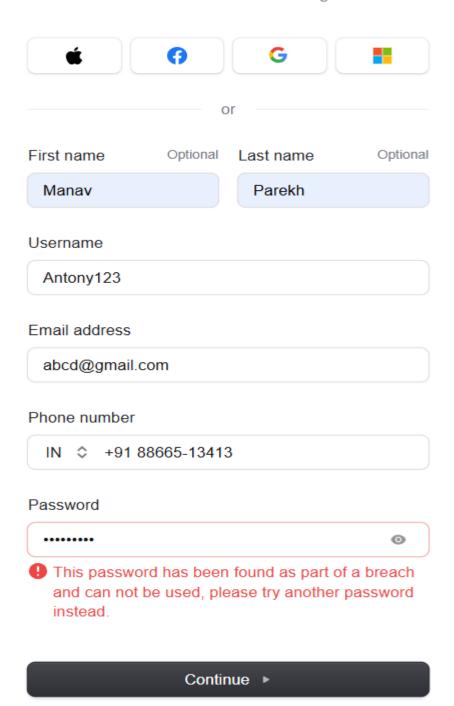
Create your account



Username: 123456

Email: abcd@gmail.com password: Abcd@123 Output: Invalid

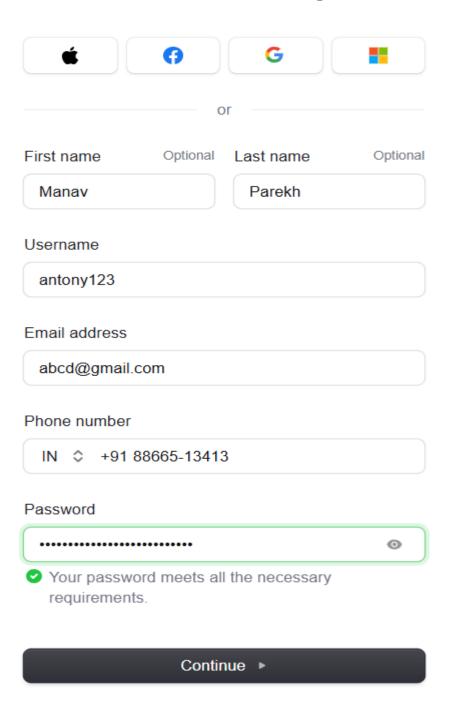
Create your account



Username: antony123 Email: abcd@gmail.com password: Abcd@123

Output: valid

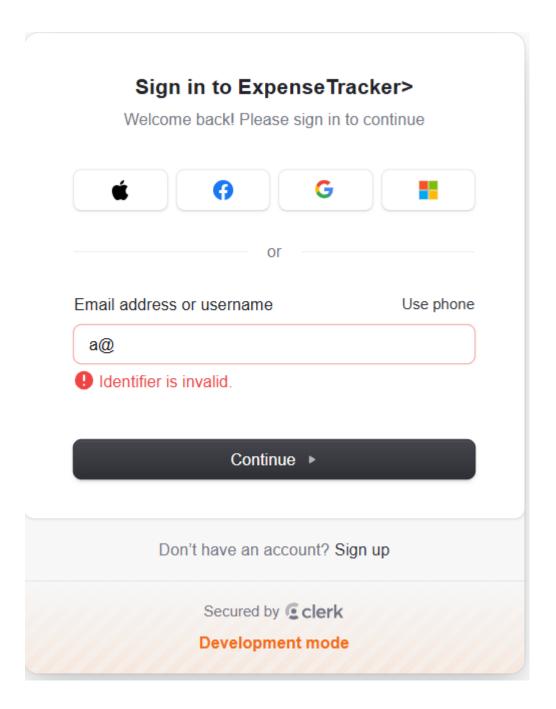
Create your account



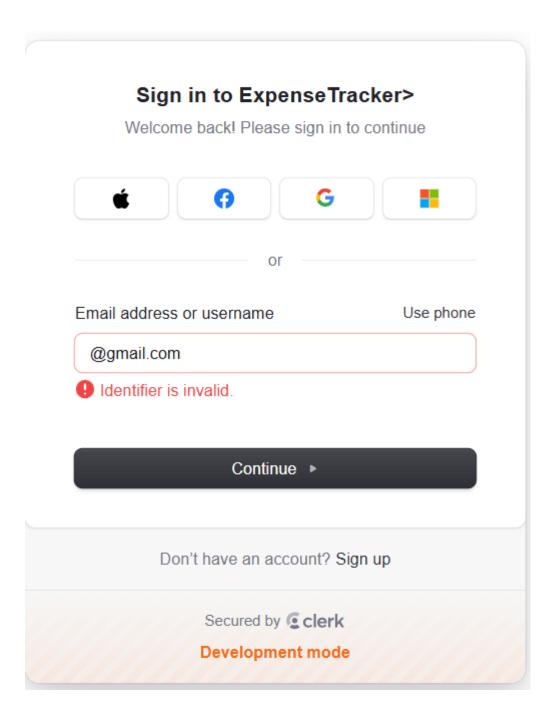
2. LOG IN

Test: 1

Email: abcd@gmail.com password: Abcd@123 Output: invalid

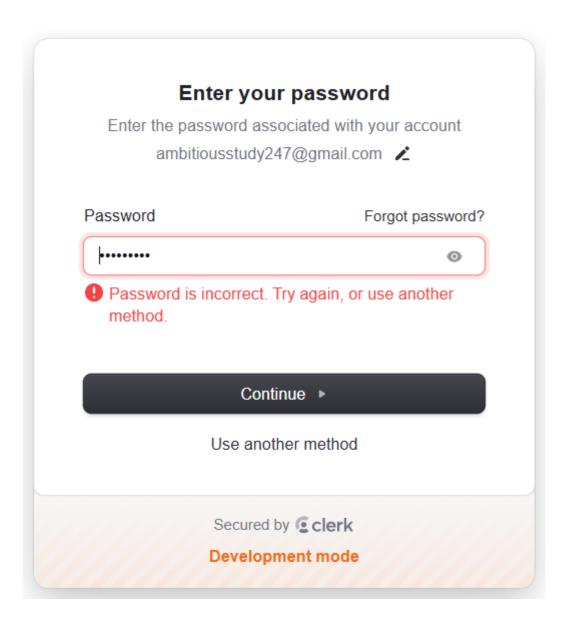


Email: @gmail.com password: Abcd@123 Output: invalid



Email: ambitiousstudy247@gmail.com (valid)

password: Abcd@123 Output: invalid



Email: manavparekh296@gmail.com (invalid)

password: Abcd@123 Output: invalid

