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## PROJECT: EXPENSIFY

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IT314 – SOFTWARE ENGINEERING GROUP 26

TASK : SYSTEM TESTING

[SIGN UP AND LOG IN]

**NAME : MANAV PAREKH (202201456 )**



### GROUP MEMBERS:

ID	NAME
202201410	SIDDHANT KOTAK
202201419	SHAH MAAHI BIJAL
202201421	KKAVY KAPIL DAVE
202201440	MUNJAPARA DHARMIL JAYANTILAL
202201446	SONI DEVARSH SUSHANT
202201449	LATHIGARA PRIYANSH HARESHBHAI
202201452	DETROJA AVI ASHISHBHAI
202201456	MANAV TIRATH PAREKH
202201458	MAKWANA SRUSHTI NARESHKUMAR

# 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	<a href="mailto:abcd@gmail.com">abcd@gmail.com</a>	Abcd@123	fail	fail	Username Constraint
Antony123	<a href="mailto:abcd@gmail.com">abcd@gmail.com</a>	abcd@12	fail	fail	Password constraint
Antony123	<a href="mailto:abce@gmail.com">abce@gmail.com</a>	Abcd@123	success	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
<a href="#">abc@gmail.com</a>	abcd@123	fail	fail	Password constraint
<a href="#">abc@gmail.com</a>	Abcd@123	success	fail	If E-mail Is not registered
<a href="#">abc@gmail.com</a>	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

Welcome! Please fill in the details to get started.









or

First nameOptional

Last nameOptional

Manav

Parekh

Username

Antony123

Email address

abd@

Phone number

IN

+91 88665-13413

Password


.....

✓

Your password meets all the necessary requirements.

Continue ▶

Already have an account? Sign in

Secured by  clerk

Test: 2

Username: Antony@123

Email: @gmail.com

password: Abcd@123

Output: Invalid

## Create your account

Welcome! Please fill in the details to get started.



or

First name

Optional

Last name

Optional

Manav

Parekh

Username

Antony123

Email address

@gmail.com

! Email address must be a valid email address.

Phone number

IN +91 88665-13413

Password

.....



✓ Your password meets all the necessary requirements.

Continue ►

Test: 3

Username: 123456

Email: abcd@gmail.com

password: Abcd@123

Output: Invalid

## Create your account

Welcome! Please fill in the details to get started.



or

First name

Optional

Last name

Optional

Manav

Parekh

Username

123456

! Username must contain one non-number character.

Email address

abcd@gmail.com

Phone number

IN +91 88665-13413

Password

.....



Continue ►

Test: 4

Username: 123456

Email: abcd@gmail.com

password: Abcd@123

Output: Invalid

## Create your account

Welcome! Please fill in the details to get started.



or

First name

Optional

Last name

Optional

Manav

Parekh

Username

Antony123

Email address

abcd@gmail.com


Phone number

IN  +91 88665-13413

Password

.....



 This password has been found as part of a breach and can not be used, please try another password instead.

Continue ►



Test: 5

Username: antony123

Email: abcd@gmail.com

password: Abcd@123

Output: valid

## Create your account

Welcome! Please fill in the details to get started.



or

First name

Optional

Last name

Optional

Manav

Parekh


Username

antony123

Email address

abcd@gmail.com

Phone number

IN  +91 88665-13413

Password

.....



✔ Your password meets all the necessary requirements.

Continue ►

## 2. LOG IN

Test: 1





Email: abcd@gmail.com

password: Abcd@123

Output: invalid

### Sign in to ExpenseTracker>

Welcome back! Please sign in to continue



or

Email address or username


Use phone

a@

! Identifier is invalid.

Continue ▶

Don't have an account? Sign up

Secured by  clerk

Development mode

Test: 2





Email: @gmail.com

password: Abcd@123

Output: invalid

## Sign in to ExpenseTracker>

Welcome back! Please sign in to continue



or

Email address or username


Use phone

@gmail.com

! Identifier is invalid.

Continue ▶

Don't have an account? Sign up

Secured by  clerk

Development mode


Test: 3

Email: [ambitiousstudy247@gmail.com](mailto:ambitiousstudy247@gmail.com) (valid)

password: Abcd@123

Output: invalid


## Enter your password


Enter the password associated with your account  
ambitiousstudy247@gmail.com 


Password

Forgot password?


••••••••



 Password is incorrect. Try again, or use another method.

Continue 

Use another method

Secured by  clerk

Development mode

Test: 4





Email: manavparekh296@gmail.com (invalid)

password: Abcd@123

Output: invalid

## Sign in to ExpenseTracker>

Welcome back! Please sign in to continue




or

Email address or username


manavparekh296@gmail.com

Use phone

 Couldn't find your account.

Continue ▶

Don't have an account? Sign up

Secured by  clerk

Development mode