



Dhirubhai Ambani
Institute of Information and Communication Technology

IT314 : SOFTWARE ENGINEERING

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Testing Report

InstaHUB – We connect the world

Reporting TA – Harshal

Group Number : 24

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BLACK BOX TESTING

We have used Equivalence Class Partitioning and Boundary Value Analysis to test our website.

Test cases highlighted in the red colour are the cases which have failed in our system.

1. Login Feature :

Users can successfully login with the correct Email and password.

Possible Values :

Email : correct, incorrect and empty

Password : correct, incorrect and empty

Test cases and outcomes

<u>Email</u>	<u>Password</u>	<u>Expected output</u>	<u>Actual Output</u>
Correct	correct	Login successful	Login successful
Correct	incorrect	Login failed	Login failed
Correct	empty	Login failed	All fields are required (Login Failed)
Incorrect	correct	Login failed	User does not exist(Login failed)
Incorrect	incorrect	Login failed	User does not exist(Login failed)

Incorrect	empty	Login failed	All fields are required (Login Failed)
Empty	correct	Login failed	All fields are required (Login Failed)
Empty	incorrect	Login failed	All fields are required (Login Failed)
Empty	empty	Login failed	All fields are required (Login Failed)

Test Cases Taken from each class:

Email: 201901126@daiict.ac.in (correct)

Password: 123456 (correct)

Expected Outcome: (Login successful)

Actual Outcome: (Login successful)

Email: 201901126@daiict.ac.in (correct)

Password: 1234567 (incorrect)

Expected Outcome: (Login failed)

Actual Outcome: Email or Password Incorrect

Email: 201901126@daiict.ac.in (correct)

Password: (empty)

Expected Outcome: (Login failed)

Actual Outcome: All fields required

Email: 201901126@daiict.ac.in (incorrect)

Password: 123456 (correct)

Expected Outcome: (Login failed)

Actual Outcome: User does not exist

Email: 204489892@daiict.ac.in (incorrect)

Password: 1234567 (incorrect)

Expected Outcome: (Login failed)

Actual Outcome: User does not exist

Email: 203401432@daiict.ac.in (incorrect)

Password: (empty)

Expected Outcome: (Login Failed)

Actual Outcome: All fields are required(Login Failed)

Email: (Empty)

Password: 123456 (correct)

Expected Outcome: Login Failed

Actual Outcome: All fields are required(Login Failed)

Email: (Empty)

Password: 789123(Incorrect)

Expected Outcome: Login Failed

Actual Outcome: All fields are required(Login Failed)

Email: (Empty)

Password: (Empty)

Expected Outcome: Login Failed

Actual Outcome: All fields are required(Login Failed)

2. Register Feature:

To successfully sign-up, User has to provide the information asked in the registration form and press the submit button.

Possible values :

Name : non-empty(any number of ascii characters), empty

Email : valid (email should contain at least one ascii character before '@' and after it as well) , invalid, already registered email, empty.

Password : valid(ascii characters length greater than 5), invalid(ascii characters length less than or equal to 5) and empty

Test cases and outcomes

<u>Name</u>	<u>Email</u>	<u>Password</u>	<u>Expected Outcome</u>	<u>Actual Outcome</u>
empty	anything	anything	Register fail	Register fail
non-empty	empty	anything	Register fail	Register fail
non-empty	anything	Empty	Register fail	Register fail
non-empty	valid	Valid	Register success	Register Success
non-empty	valid	Invalid	Register fail	Register fail
non-empty	invalid	Valid	Register fail	Register fail
non-empty	invalid	Invalid	Register fail	Register fail
non-empty	already registered	Valid	Register fail	Register fail
non-empty	already registered	invalid	Register fail	Register fail

3. Update Profile Feature:

The user can update his/her profile by logging into the account and going into the profile. Here user can change their bio, username and profile picture.

User can also delete his post and see following and followers in this section.

Possible values :

Update Photo : Image format like JPEG, PNG or JPEG.

Bio : Any character(starting from 5 of ASCII) but not more than 256 total characters

Username – every username is unique(only small alphabets) and every customer can acquire their username. It will be on first come first bases.

Test cases and outcomes

Username	<u>Expected Outcome</u>	<u>Actual Outcome</u>
Empty	Enter username first	Update fail
modiiiji	Valid	Update successful
modiiiji	User already exist	Update fail
Pritam	Invalid Username	Update fail
V.djh	Invalid Username	Update fail
happie	Update Successful	Update Successful

4. Follow user in main Feed :

Possible values :

If user follows his friend from main feed then follower of that friend will increase by one and following of user will be increased by one.

Test cases and outcomes

User follow his friend	<u>Expected Output</u>	<u>Actual outcome</u>
Following Nilay	Add Follower of nilay and Add following of user	Same as expected, No extra test cases allowed
Unfollowing Nilay	Decrease Follower of nilay and Decrease following of user	Same as expected, No extra test cases allowed

Remarks :

Every feature is working properly on web application.