Hotel Automation System

SOFTWARE ENGINEERING (IT314)

Group: 54

Reporting TA: Mahir (202011002)

Assigned by : Prof. JayPrakash Lalchandani

Black Box Testing

GROUP MEMBERS

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

Test cases highlighted in the red color are the cases that have failed in our system.

1. Login Feature:

Users can successfully log in with the correct email and password.

Possible Values:

Email : correct,incorrect and empty
Password : correct,incorrect and empty

Test cases and outcomes

Email	Password	Expected output	Actual Output
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: 201901435@daiict.ac.in (correct)
Password: abcd@123 (correct)
Expected Outcome: (Login successful)
Actual Outcome: (Login successful)

Email: 201901435@daiict.ac.in (correct)
Password: 1234 (incorrect)
Expected Outcome: (Login failed)
Actual Outcome: Email or Password Incorrect

Email: 201901435@daiict.ac.in (correct)
Password: (empty)
Expected Outcome:(Login failed)
Actual Outcome: All fields required

Email: 201901410@daiict.ac.in (incorrect)
Password: abcd@123 (correct)

Expected Outcome: (Login failed)
Actual Outcome: User does not exist

Email: 201901410@daiict.ac.in (incorrect)
Password: 1234 (incorrect)
Expected Outcome: (Login failed)
Actual Outcome: User does not exist

Email: 201901410@daiict.ac.in (incorrect)
Password: (empty)
Expected Outcome: (Login Failed)
Actual Outcome: All fields are required(Login Failed)

Email: (Empty)
Password: 1234 (correct)
Expected Outcome: Login Failed
Actual Outcome: All fields are required(Login Failed)

Email: (Empty)
Password: 567890(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

Name	Email	Password	Expected Outcome	Actual Outcome
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 providing username and password in the profile section.

Possible values:

Username: Empty, valid(all characters should be alphabets) , invalid

Password: Valid (minimum 8 characters), Invalid, empty.

 Test cases and outcomes

Usernmae	Password	Expected Outcome	Actual Outcome
Empty	Anything	Update fail	Update fail
Anything	Empty	Update fail	Update fail
Invalid	Invalid	Update fail	Update fail
Invalid	Valid	Update fail	Update fail
Valid	Invalid	Update fail	Update fail
Valid	Valid	Update Successful	Update Successful

4. Adding a new room feature:

The manager can add a new room on the website.

Possible values:
Room number: Empty, Non-empty

Room-type: Empty, Non-empty

Price: Empty, Invalid(value less than zero),Valid (value greater than or equal to zero).

 Test cases and outcomes

Room number	Room-type	Price	Expected outcome	Actual outcome
Empty	Anything	Anything	Not able to add	Not able to add
Anything	Empty	Anything	Not able to add	Not able to add
Anything	Anything	Empty	Not able to add	Not able to add
Non empty	Non empty	Invalid	Not able to add	Not able to add
Non empty	Non empty	Valid	Able to add	Able to add
Non empty	Empty	Valid	Not able to add	Able to add
Empty	Empty	Valid	Not able to add	Not able to add

5. Search a room feature:

Possible values:

Empty, Text entered and it is matching with some of the available rooms, Text entered but it is not matching with any of the available rooms

Test cases and outcomes

Text in search bar	Expected Output	Actual outcome
Empty	No search result	No search result
Text entered matching with some available room	Some of the rooms found	Proper Results*^
Text entered not matching with any available book	None of the books found	Proper Results*