PRO-PLANNING -: A WEB-BASED PROJECT MANAGEMENT SYSTEM

-by group number 19

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BLACK BOX TESTING

1.LOGIN PAGE

TEST CASE	EMAIL ADDRESS	PASSWORD	EXPECTED OUTPUT	COMMENTS
1	Harsh12@gmail.com	Spartan@211	Directed to dashboard	Correct data
2	blahblah12@gmail.com	Spartan@211	Error	Email id not found
3	Harsh12@gmail.com	Spart@211	Error	Incorrect password
4		Spartan@211	Error	Email id cannot be blank
5	Harsh12@gmail.com		Error	Password cannot be blank

2. REGISTRATION PAGE FOR ADMIN-

TEST CASE	NAME	CONTACT NO.	PASSWORD	EMAIL	COMPANY	CONFIRM PASSWORD	EXPECTED OUTPUT	COMMENTS
1	12	9997772121	Spartan@211	Harsh12@gmail.com	Apple	Spartan@211	Error	Name cannot be only numeric
2		9997772121	Spartan@211	Harsh12@gmail.com	Apple	Spartan@211	Error	Name cannot be blank
3	Jack		Spartan@211	Harsh12@gmail.com	Apple	Spartan@211	Error	Contact cannot be blank
4	Jack	9997772111123443354573	Spartan@211	Harsh12@gmail.com	Apple	Spartan@211	Error	Number cannot be more than 15 digits
5	Jack	9997772121		Harsh12@gmail.com	Apple	Spartan@211	Error	Password cannot be blank
6	Jack	9997772121	HARRY1	Harsh12@gmail.com	Apple	HARRY1	Error	Password must be more than 7 value in size
7	Jack	9997772121	Spartan@211		Apple	Spartan@211	Error	Email id cannot be blank
8	Jack	999777212	Spartan@2	Harsh12!gmail.c	Apple	Spartan@2	Error	Email id not found

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9	Jack	9997772121	Spartan@211	Harsh12@gmail.com		Spartan@211	Error	Company name cannot be blank
10	Harsh	9997772121	Harsh@211	Harsh12@gmail.com	Apple	Harsh@211	Error	Password should not have name entered in name row
11	Jack	9997772121	Spartan@211	Harsh12@gmail.com	Apple		Error	Confirm password cannot be blank
12	Jack	9997772121	Spartan@211	Harsh12@gmail.com	Apple	Jack@212	Error	Confirm password doesn't match password
13	Jack	9997772121	Spartan@211	Harsh12@gmail.com	Apple	Spartan@211	Directed to login page	All fields corrected entered
14	Jack12	9997772121	Spartan@211	Harsh12@gmail.com	Apple	Spartan@211	Directed to login page	Name can have numeric value. All other requirements satisfied.
15	Jack12	999777v2121	Spartan@211	Harsh12@gmail.com	Apple	Spartan@211	Error	Contact number should not have alphabetic value
16	size=30	9997772121	Spartan@211	Harsh12@gmail.com	Apple	Spartan@211	Directed to login page	Name can have max value = 30
17	size=31	9997772121	Spartan@211	Harsh12@gmail.com	Apple	Spartan@211	Error	Name above range
18	A	9997772121	Spartan@211	Harsh12@gmail.com	Apple	Spartan@211	Directed to login page	Name can have single value
19	Ab	9997772121	Spartan@211	Harsh12@gmail.com	Apple	Spartan@211	Directed to login page	Name can have two values
20	Jack12	9	Spartan@211	Harsh12@gmail.com	Apple	Spartan@211	Directed to login page	Contact number can have single value
21	Jack12	98	Spartan@211	Harsh12@gmail.com	Apple	Spartan@211	Directed to login page	Contact number can have two values
22	Jack12	999777212	Spartan@2	Harsh12@gmail.	Apple	Spartan@2	Directed	Contact number

		15678	11	com		11	to login page	in valid range.
23	Jack12	999777212 156787	Spartan@2 11	Harsh12@gmail. com	Apple	Spartan@2 11	Directed to login page	Contact number in valid range.
24	Jack12	999777212 156785	Spartan@2 11	Harsh12@gmail. com	Apple	Spartan@2 11	Error	Contact number not in valid range.
25	Jack12	999777212 15	SIZE=31	Harsh12@gmail. com	Apple	SIZE=31	Error	Password above range
26	Jack12	999777212 156787	Spartan@2 11	Harsh12@gmail. com	Apple12	Spartan@2 11	Directed to login page	Company name can have numeric value as well
27	Jack12	98	SIZE = 30	Harsh12@gmail. com	Apple	SIZE = 30	Directed to login page	Password of max size
28	Jack12	98	Spartan@2	H@	Apple	Spartan@2	Error	Email address must be more than 2
29	Jack12	98	Spartan@2	SIZE IS >320	Apple	Spartan@2	Error	Email address must be less than 321
30	size= 29	999777212 1	Spartan@2 11	Harsh12@gmail. com	Apple	Spartan@2 11	Directed to login page	Name can have value = 29
31	Jack12	98	SIZE = 29	Harsh12@gmail. com	Apple	SIZE = 29	Directed to login page	Password of size=29
32	Jack12	98	Spartan@2	H@y	Apple	Spartan@2	Directed to login page	Email address of minimum possible size
33	Jack12	98	Spartan@2	Ha@y	Apple	Spartan@2	Directed to login page	Email address of size=4
34	Jack12	98	Spartan@2	SIZE = 319	Apple	Spartan@2	Directed to login page	Email address of size=319
35	Jack12	98	Spartan@2	SIZE = 320	Apple	Spartan@2	Directed to login page	Email address of size=320
36	Jack12	98	Spartan@2	SIZE = 321	Apple	Spartan@2	Error	Email address above range

37	Jack12	98	Spartan@2	H@y	A	Spartan@2	Directed to login page	Company name of minimum possible size
38	Jack12	98	Spartan@2	H@y	Ap	Spartan@2	Directed to login page	Company name of size = 2
39	Jack12	98	Spartan@2	H@y	Microsoft	Spartan@2	Directed to login page	Company name of size = 9
40	Jack12	98	Spartan@2	H@y	SIZE = 29	Spartan@2	Directed to login page	Company name of size = 29
41	Jack12	98	Spartan@2	H@y	SIZE = 30	Spartan@2	Directed to login page	Company name of size = 30
42	Jack12	98	Spartan@2	H@y	SIZE = 31	Spartan@2	Error	Company name above range

Equivalence Partitioning for name-
Empty name box= invalid class(TC2)
More than 1 but less than 31 = valid class(TC14)
Above 31 = invalid class(TC18)

Boundary value analysis for name-
Name of size 0 = invalid(TC2)
Name of size 1 = valid(TC19)
Name of size 2 = valid(TC20)
Name of size 6 = valid(TC14)
Name of size 29= valid(TC31)
Name of size 30= valid(TC16)
Name of size 31= invalid(TC18)

Equivalence Partitioning for contact number-
Lesser than 1 values = invalid class(TC3)
More than 1 but less than 15 = valid class(TC13)
Above 15 = invalid class(TC4)

Boundary value analysis for contact number-
Contact number of size 0 = invalid(TC3)
Contact number of size 1 = valid(TC21)
Contact number of size 2 = valid(TC22)
Contact number of size 10 = valid(TC13)
Contact number of size 14 = valid(TC23)
Contact number 15= valid(TC24)
Contact number 16 = invalid(TC25)

Equivalence Partitioning for password-
Lesser than 9 values = invalid class(TC6)
More than 8 but less than 31= valid class(TC13)
Above 31 = invalid class(TC26)

Boundary value analysis for password
Password of size 8 = invalid(TC6)
Password of size 9 = valid(TC27)
Password of size 10 = valid(TC28)
Password of size 11 = valid (TC13)
Password of size 29 = valid(TC32)
Password of size 30 = valid(TC28)
Password of size 31=invalid(TC26)

Equivalence Partitioning for email-
Lesser than 3 values = invalid class(TC29)
More than 2 but less than 321 = valid class(TC13)
Above 320 = invalid class(TC30)

Boundary value analysis for email
Email of size 2 = invalid(TC29)
Email of size 3 = valid(TC33)
Email of size 4 = valid(TC34)
Email of size 15 = valid(TC31)
Email of size 319 = valid(TC35)
Email of size 320= valid(TC36)
Email of size 321= invalid(TC37)

Equivalence Partitioning for company-
Lesser than 1 values = invalid class(TC9)
More than 1 but less than 31 = valid class(TC40)
Above 31= invalid class(TC43)

Boundary value analysis for Company
Company name of 0 size = invalid(TC9)
Company name of 1 size = valid(TC38)
Company name of 2 size = valid(TC39)
Company name of 9 size = valid(TC40)
Company name of 29 size = valid(TC41)
Company name of 30 size = valid(TC42)
Company name of 31 size = invalid(TC43)

3.REGISTRATION PAGE FOR PROJECT MANAGER-

TEST CASE	NAME	CONTACT NO.	PASSWORD	EMAIL	CONFIRM PASSWORD	EXPECTED OUTPUT	COMMENTS
1	52	671881729	Chaser#11	chaser12@yahoo.com	Chaser#11	Error	Name cannot be numeric
2		671881729	Chaser#11	chaser12@yahoo.com	Chaser#11	Error	Name cannot be blank
3	Nick		Chaser#11	chaser12@yahoo.com	Chaser#11	Error	Contact cannot be blank
4	Nick	671881729111 11111111111	Chaser#11	chaser12@yahoo.com	Chaser#11	Error	Number not in range
5	Nick	671881729		chaser12@yahoo.com	Chaser#11	Error	Password cannot be blank
6	Nick	671881729	Chaser	chaser12@yahoo.com	Chaser	Error	Password must be more than 8 value in size
7	Nick	671881729	Chaser#11		Chaser#11	Error	Email id cannot be blank
8	Nick	671881729	Chaser#11	chaser12!yahoo.com	Chaser#11	Error	Email id not found
9	Nick55	671881729	Chaser#11	chaser12@yahoo.com	Chaser#11	Directed to login page	Name can have numeric value
10	Nick	671881729	Chaser#11	chaser12@yahoo.com		Error	Confirm password cannot be blank
11	Nick	671881729	Chaser#11	chaser12@yahoo.com	Chaser#11 11	Error	Confirm password doesn't match password
12	Nick	671881729	Chaser#11	chaser12@yahoo.com	Chaser#11	Directed to login page	All fields correctly entered
13	Nick	671881729	nick#11	chaser12@yahoo.com	nick#11	Error	Password should not have name which is entered in name box
14	Nick	6718a1729	nick#11	chaser12@yahoo.com	nick#11	Error	Contact number should not have alphabetic value

4.REGISTRATION PAGE FOR EMPLOYEE-

Shall be same as that of Project manager

5.CHANGE PASSWORD-

TEST CASE	CURRENT PASSWORD	NEW PASSWORD	RE-ENTER PASSWORD	EXPECTED OUTPUT	COMMENTS
1		Hello@1122	Hello@1122	Error	Current Password cannot be empty
2	Hell@11112		Hello@1122	Error	New Password cannot be empty
3	Hell@11112	Hello@1122		Error	Re-enter Password cannot be empty
4	Hell@111121	Hello@1122	Hello@1122	Error	Current Password is incorrect
5	Hell@111121	Hello@1122	Hello@1212	Error	New password and re-enter password doesn't match
6	Hell@111121	Hello@1	Hello@1	Error	New password smaller in size
7	Hell@11112	Hello@1122	Hello@1122		Data entered correctly

6.EDIT PROFILE -

TEST CASE	NAME	PHONE NUMBER	EXPECTED OUTPUT	COMMENTS
1		9911774231	Error	Invalid boundary element as well as invalid class (Name cannot be empty)
2	A	9911774231	Profile Edited	Valid boundary condition and input in is valid class(Name of size 1)
3	A1	9911774231	Profile Edited	Valid boundary condition and input in is valid class (Name of size 2)
4	Narendra21	9911774231	Profile Edited	VValid boundary condition and input in is valid class(Name of size 10)
5	SIZE = 29	9911774231	Profile Edited	Valid boundary condition and input in is valid class(Name of size 29)
6	SIZE = 30	9911774231	Profile Edited	Valid boundary condition and input in is valid class (Name of size 30)

7	SIZE = 31	9911774231	Error	Invalid boundary element as well as invalid class(Name must be lesser than 31 words)
8	Narendra21		Error	Invalid boundary element as well as invalid class (Phone number cannot be empty)
9	Narendra21	4	Profile Edited	Valid boundary condition and input in is valid class(Phone number of size 1)
10	Narendra21	42	Profile Edited	Valid boundary condition and input in is valid class(Phone number of size 2)
11	Narendra21	9911774231	Profile Edited	Valid boundary condition and input in is valid class(Phone number of size 10)
12	Narendra21	SIZE = 14 DIGITS	Profile Edited	Valid boundary condition and input in is valid class(Phone number of size 14)
13	Narendra21	SIZE = 15 DIGITS	Profile Edited	Valid boundary condition and input in is valid class(Phone number of size 15)
14	Narendra21	SIZE = 16 DIGITS	Error	Invalid boundary element as well as invalid class(Phone number must be lesser than 16 digits)

7.VIEW PROJECT PROGRESS-

Progress page contains overall progress of the assigned projects calculated by dividing completed projects to assigned projects hence no black box testing is required.

8.CREATE NEW PROJECT-

TEST CASE	PROJECT TITLE	SELECT MANAGER	SELECT DEADLINE	DESCRIPTION	EXPECTED OUTPUT	COMMENTS
1		Vivek	21-12-2023	This is a project	Error	Project Title cannot be empty(invalid boundary range)
2	A	Vivek	21-12-2023	This is a project	Project created	Project Title size = 1
3	Ap	Vivek	21-12-2023	This is a project	Project created	Project Title size = 2
4	Web development	Vivek	21-12-2023	This is a project	Project created	Project Title size = 15
5	SIZE = 29	Vivek	21-12-2023	This is a	Project	Project Title size =

				project	created	29
6	SIZE = 30	Vivek	21-12-2023	This is a project	Project created	Project Title size = 30
7	SIZE = 31	Vivek	21-12-2023	This is a project	Error	Project Title size above range(invalid boundary range)
8	Web development		21-12-2023	This is a project	Error	Select manager cannot be empty
9	Web development	Vivek		This is a project	Error	Select Deadline cannot be empty
10	Web development	Vivek	21-12-2023		Error	Description cannot be empty

9.EDIT PROJECT-

Functionalities for edit project is same as create project hence we can test all the test cases which we tested for create new project page, expected output and comments will be the same.

10.DELETE PROJECT-

Delete project option provides us a confirmation message which on acceptance deletes the project and on rejection brings back

ACCEPTANCE TESTING

Test-Case	Test Description	Expected Output	Actual Output
1	**Login**	The user should able to login with the correct username and password	The user is able to login with the correct username and password
2	**Create Project**	The admin should be able to create new project by filling the valid project information.	The admin is able to create the new project by filling the valid project information.
3	**Manage Project**	The Admin and Project Manager should be able to see the dashboard of the project with Manage task, Progress tracking.	The Admin and Project Manager are able to see the dashboard of the project with manage task, progress tracking .
4	**Edit Project**	The Admin should be able to edit the Project information and task.	The Admin is able to edit the Project Information and Task.
6	**Create Task**	The Admin and Project Manager should be able to create new task for the project by filling the valid task information.	The Admin and Project Manager are able to create new task for project by filling the valid task information.
7	**Manage Task**	The Admin and Project Manager should be able to see the in- progress task,review task and complete task.	The Admin and project manager are able to see the in-progress task, review task and complete task.
8	**Assign Task**	The Admin and Project Manager should be able to assign the task to the employee.	The Admin and Project Manager are able to assign the task to the employee.
9	**View Task**	The Employee and Project Manager should be able to view the task assignment.	The Employee and Project Manager is able to view the task assignment.
10	**Submit Task**	The employee should be able to submit the task assignment.	The employee is able to submit the task assignment.

11	**Create Team**	The Admin should be able to create the new team by filling the valid project information.	The Admin is able to create the new team by filling the valid project information.
12	**Manage Team**	The Admin and Project Manager should be able to see the team info., Manage member by adding and removing from team and view ongoing and completed project by the team. The Owner should be able to edit the team information.	The Admin and Project manager are able to see the team info., manage member by adding and removing from team and view ongoing and completed project by the team The owner is able to edit the team information.
13	**Edit Team**	The Admin should be able to edit the team information.	The Admin is able to edit the team information.
14	**View Team**	The Project Manager should be able to view the team information.	The Project Manager is able to view the team information.
15	**Progress Tracking**	The Project Manager and Admin should be able to view the Task status and deadline.	The Project Manager and Admin is able to view the task status and deadline.