# CS673F13 Software Engineering Group Project 4 - Project Life Cycle Management Test Cases



### **Revision history**

Version	<u>Author</u>	<u>Date</u>	<u>Change</u>
1.0	Tandhy	12/02/2013	Initial Draft
1.1	Tandhy	12/03/2013	Add boundary table
1.2	Christian	12/08/2013	Add service test cases

### **Boundary Table**

## User Registration

Variable	Valid Case Equivalence Classes	Invalid Case Equivalence Classes	Boundaries and Special Cases	Notes
First name	A - Z, a - z, space	0 - 9, dash, dot, symbols, space	John !0	
Last name	A - Z, a - z, space	0 - 9, dash, dot, symbols, space	Doe d!-e	
Email	[a - z, 0 - 9, dot, dash] @ [a - z, 0 - 9, dot, dash, underscore].	symbol, no @, space	john.doe.99@yahoo .com !_!john.doe gmail	
Username	A - Z, a - z 0 - 9, underscore, dash, dot	symbol, space	john_doe.99 j-hn!do 00	
Password	A - Z, a - z 0 - 9, dot	symbol, space	john.123 jo n-!!!	
Agreement checkbox	checked	not checked	checked not checked	

#### Login

Variable	Valid Case Equivalence Classes	Invalid Case Equivalence Classes	Boundaries and Special Cases	Notes
username	A - Z, a - z 0 - 9, underscore, dash, dot	symbol, space	auser a us!er	
password	A - Z, a - z 0 - 9, dot	symbol, space	apassword a - pass!w0rD	

#### **Manage Project**

Variable	Valid Case Equivalence Classes	Invalid Case Equivalence Classes	Boundaries and Special Cases	Notes
project name	A - Z, a - z, 0 - 9, space	symbol	my other project my o+her-pro!ect	

**Manage Iterations** 

Variable	Valid Case Equivalence Classes	Invalid Case Equivalence Classes	Boundaries and Special Cases	Notes
Iteration version	0 - 9	A - Z, a - z, symbol		
start date	start date < end date	start date > end date		
end date	end date > start date	end date < start date		

**Manage Users** 

Variable	Valid Case Equivalence Classes	Invalid Case Equivalence Classes	Boundaries and Special Cases	Notes
user	selected user	empty	cuser [empty]	

**Manage User Stories** 

Variable	Valid Case Equivalence Classes	Invalid Case Equivalence Classes	Boundaries and Special Cases	Notes

Manage Roles

Variable	Valid Case Equivalence Classes	Invalid Case Equivalence Classes	Boundaries and Special Cases	Notes

#### **Test Cases**

1. User Registration - complete Data

Test items : Test user registration to system

Test priority :

Dependencies : -

Pre conditions : guest is not registered to system

Input data : First name, last name, email, username, password.

Test steps : 1. Hit "Register" button in the login page.

2. guest will be in registration page.

3. Fill in first name, last name, email, username, password.

Postconditions : guest is registered in the system

Expected Output : no error message and new user redirected to login page

Actual Output : no error message and new user redirected to login page

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

2. User Registration - with existing username

Test items : Test user registration to system

Test priority : High

Dependencies : -

Pre conditions : guest username is registered to system

Input data : First name, last name, email, username, password

Test steps : 1. Hit "Register" button in the login page.

2. guest will be in registration page.

3. Fill in first name, last name, email, username, password.

Post conditions : guest is not registered in the system

Expected Output : error message said that user exists

Actual Output : Invalid username or Password

Pass or Fail : Pass

Bug ID / link :

Additional Notes :

3. User Registration - with existing email

Test items : Test user registration to system

Test priority : High

Dependencies : -

Pre conditions : guest email address is registered to system

Input data : First name, last name, email, username, password, aggrement

Test steps : 1. Hit "Register" button in the login page.

2. guest will be in registration page.

3. Fill in first name, last name, email, username, password, aggrement.

Post conditions : guest is registered in the system

Expected Output : error message said that email exists

Actual Output : -

Pass or Fail : Fail

Bug ID / link :

Additional Notes :

4. User Registration - empty first name

Test items : Test user registration to system and leave first name field empty

Test priority

Dependencies : -

Pre conditions : guest is not registered to system

Input data : Last name, email, username, password

Test steps : 1. Hit "Register" button in the login page.

2. guest will be in registration page.

3. Fill in last name, email, username, password.

Post conditions : guest is not registered to system

Expected Output : login page display error message

Actual Output : login page display error message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

5. User Registration - empty last name

Test items : Test user registration to system

Test priority :

Dependencies : -

Pre conditions : guest is not registered to system

Input data : First name, email, username, password, aggrement

Test steps : 1. Hit "Register" button in the login page.

2. guest will be in registration page.

3. Fill in first name, email, username, password, aggrement.

Post conditions : guest is not registered in the system

Expected Output : login page display error message

Actual Output : login page display error message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes

6. User Registration - empty email address

Test items : Test user registration to system

Test priority :

Dependencies : -

Pre conditions : guest is not registered to system

Input data : First name, last name, username, password, aggrement

Test steps : 1. Hit "Register" button in the login page.

2. guest will be in registration page.

3. Fill in first name, last name, username, password, aggrement.

Post conditions : guest is not registered in the system

Expected Output : system display error message

Actual Output : system display error message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes

7. User Registration - empty username

Test items : Test user registration to system

Test priority :

Dependencies : -

Pre conditions : guest is not registered to system

Input data : First name, last name, email, password, aggrement

Test steps : 1. Hit "Register" button in the login page.

2. guest will be in registration page.

3. Fill in first name, last name, email, password, aggrement.

Post conditions : guest is not registered in the system

Expected Output : system display error message

Actual Output : system display error message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes

8. User Registration - empty password

Test items : Test user registration to system

Test priority :

Dependencies : -

Pre conditions : guest is not registered to system

Input data : First name, last name, email, username, aggrement

Test steps : 1. Hit "Register" button in the login page.

2. guest will be in registration page.

3. Fill in first name, last name, email, username, aggrement.

Post conditions : guest is not registered in the system

Expected Output : system display error message

Actual Output : system display error message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

9. User Registration - empty agreement

Test items : Test user registration to system

Test priority

Dependencies : -

Pre conditions : guest is not registered to system

Input data : First name, last name, email, username, password

Test steps : 1. Hit "Register" button in the login page.

2. guest will be in registration page.

3. Fill in first name, last name, email, username, password.

Post conditions : guest is not registered in the system

Expected Output : system display error message

Actual Output : system display error message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

10. User Registration - empty all field

Test items : Test user registration to system

Test priority :

Dependencies : -

Pre conditions : guest is not registered to system

Input data : -

Test steps : 1. Hit "Register" button in the login page.

2. guest will be in registration page.

3. leave empty all fields.

Post conditions : guest is not registered in the system

Expected Output : system display error message

Actual Output : system display error message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

11. Login

Test items : Test user login to system

Test priority :

Dependencies : -

Pre conditions : guest is not logged in to system

Input data : username, password.

Test steps : 1. Open login page.

2. Fill in username and password.

3. Hit "Login" button

Post conditions : user is logged in into the system

Expected Output : system redirect to open dashboard page.

Actual Output : system redirect to open dashboard page

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

12. Login - empty username

Test items : Test user login to system

Test priority :

Dependencies : -

Pre conditions : guest is not logged in to system

Input data : password.

Test steps : 1. Open login page.

2. Fill in password.

Post conditions : user is not logged in into the system

Expected Output : system display error message.

Actual Output : system display error message.

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

13. Login - empty password

Test items : Test user login to system

Test priority :

Dependencies : -

Pre conditions : guest is not logged in to system

Input data : username.

Test steps : 1. Open login page.

2. Fill in username.

Post conditions : user is not logged in into the system

Expected Output : system display error message.

Actual Output : system display error message.

Pass or Fail : Pass

Bug ID / link : -

Additional Notes

14. Login - invalid username or password

Test items : Test user login to system

Test priority :

Dependencies : -

Pre conditions : user is not logged in to system

Input data : username, password.

Test steps : 1. Open login page.

2. Fill in username and password.

Post conditions : user is not logged in into the system

Expected Output : system display error message.

Actual Output : system display error message.

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

15. Create new project

Test items : user create a new project

Test priority

Dependencies : user is logged in to system

Pre conditions : the project is not exists in the system

Input data : project name.

Test steps : 1. click "Configuration" and "Manage Projects" link on the menu at left side

2. Fill in project name.

3. Hit "Create Project" button

Post conditions : new project is added to the system

Expected Output : system display success message and display the project in the project combo

box above the menu at the left side.

Actual Output : system display success message and display the project in the project combo

box above the menu at the left side..

Pass or Fail : Pass

Bug ID / link : -

Additional Notes

16. Create new project - empty project name

Test items : user create a new project

Test priority :

Dependencies : user is logged in to system

Pre conditions : the project is not exists in the system

Input data : leave project name empty.

Test steps : 1. Click "Configuration" and "Manage Projects" link on the menu at left side

2. Hit "Create Project" button

Post conditions : Project is not added to the system

Expected output : System display error message.

Actual output : System display error message.

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

17. Create new project - invalid project name

Test items : user create a new project

Test priority :

Dependencies : user is logged in to system

Pre conditions : the project is not exists in the system

Input data : Project name with invalid character.

Test steps : 1. Click "Configuration" and "Manage Projects" link on the menu at left side

2. Fill "my o+her-pro!ect" in project name.

2. Hit "Create Project" button

Post conditions : Project is not added to the system

Expected output : System display error message.

Actual output : System display error message.

Pass or Fail : Pass

Bug ID / link : -

Additional Notes

18. Create New Release

Test items : user create a release for the project

Test priority :

Dependencies : 1. user is logged in to system

2. user choose any project

Pre conditions : the release is not available in the project

Input data : Release version, start date and end date.

Test steps : 1. Click "Release Management" and "Manage Release" link on the menu at left

side

2. Fill in release version, start date and end date.

3. Hit "Add New Release" button

Post conditions : New release is added to the system

Expected output : .

Actual output : .

Pass or Fail

Bug ID / link : -

Additional notes :

19. Create New Release - start date exceed end date

Test items : user create a release for the project

Test priority

Dependencies : 1. user is logged in to system

2. user choose any project

Pre conditions : the release is not available in the project

Input data : Release version, start date and end date.

Test steps : 1. Click "Release Management" and "Manage Release" link on the menu at left

side

2. Fill in release version, start date and end date.

3. Hit "Add New Release" button

Post conditions : New release is not added to the system

Expected output : System display error message

Actual output : .

Pass or Fail :

Bug ID / link : -

Additional notes

20. Create New Release - end date less then start date

Test items : user create a release for the project

Test priority :

Dependencies : 1. user is logged in to system

2. user choose any project

Pre conditions : the release is not available in the project

Input data : Release version, start date and end date.

Test steps : 1. Click "Release Management" and "Manage Release" link on the menu at left

side

2. Fill in release version, start date and end date.

3. Hit "Add New Release" button

Post conditions : New release is not added to the system

Expected output : System display error message

Actual output : .

Pass or Fail

Bug ID / link : -

Additional notes :

21. Create New Release - empty release version

Test items : user create a release for the project

Test priority

Dependencies : 1. user is logged in to system

2. user choose any project

Pre conditions : the release is not available in the project

Input data : Start date and end date.

Test steps : 1. Click "Release Management" and "Manage Release" link on the menu at left

side

2. Fill in start date and end date.3. Hit "Add New Release" button

Post conditions : New release is not added to the system

Expected output : .

Actual output : .

Pass or Fail :

Bug ID / link : -

Additional notes :

22. Create New Release - start date exceed end date

Test items : user create a release for the project

Test priority :

Dependencies : 1. user is logged in to system

2. user choose any project

Pre conditions : the release is not available in the project

Input data : Start date and end date.

Test steps : 1. Click "Release Management" and "Manage Release" link on the menu at left

side

2. Fill in start date and end date.3. Hit "Add New Release" button

Post conditions : New release is not added to the system

Expected output : System display error message

Actual output : .

Pass or Fail :

Bug ID / link : -

Additional notes :

23. Create New Release - empty start date

Test items : user create a release for the project

Test priority :

Dependencies : 1. user is logged in to system

2. user choose any project

Pre conditions : the release is not available in the project

Input data : Release version and end date.

Test steps : 1. Click "Release Management" and "Manage Release" link on the menu at left

side

2. Fill in release version and end date.

3. Hit "Add New Release" button

Post conditions : New release is not added to the system

Expected output : System display error message

Actual output : .

Pass or Fail

Bug ID / link : -

Additional notes :

24. Create New Release - empty end date

Test items : user create a release for the project

Test priority :

Dependencies : 1. user is logged in to system

2. user choose any project

Pre conditions : the release is not available in the project

Input data : Release version and start date.

Test steps : 1. Click "Release Management" and "Manage Release" link on the menu at left

side

2. Fill in release version and start date.

3. Hit "Add New Release" button

Post conditions : New release is not added to the system

Expected output : System display error message

Actual output : .

Pass or Fail

Bug ID / link : -

Additional notes :

25. Manage Users

Test items : Add users into project

Test priority :

Dependencies : 1. user is logged in to system

2. user choose any project

Pre conditions : users is not added in the project

Input data : user.

Test steps : 1. Click "Release Management" and "Manage Users" link on the menu at left

side

2. Select user to be added into project.3. Hit "Add User To Project" button

Post conditions : New user is added to project

Expected output : System display added user in the grid

Actual output : System display added user in the grid

Pass or Fail : Pass

Bug ID / link : -

Additional notes :

26. Manage Users - add empty user

Test items : Add users into project

Test priority :

Dependencies : 1. user is logged in to system

2. user choose any project

Pre conditions : users is not added in the project

Input data : none.

Test steps : 1. Click "Release Management" and "Manage Users" link on the menu at left

side

2. Hit "Add User To Project" button

Post conditions : No user is added to project

Expected output : System display error message.

Actual output : System display error message.

Pass or Fail : Pass

Bug ID / link : -

Additional notes

27. Manage Users - remove user

Test items : Remove users from project

Test priority :

Dependencies : 1. user is logged in to system

2. user choose any project

Pre conditions : users is in the project

Input data : users.

Test steps : 1. Click "Release Management" and "Manage Users" link on the menu at left

side

2. Select user to remove.

3. Hit "Remove User from Project" button.

Post conditions : User is removed from project

Expected output : System refresh the grid and user was removed.

Actual output : System refresh the grid and user was removed.

Pass or Fail : Pass

Bug ID / link : -

Additional notes :

28. Manage Users - remove empty user

Test items : Remove users from project

Test priority :

Dependencies : 1. user is logged in to system

2. user choose any project

Pre conditions : users is in the project

Input data : users.

Test steps : 1. Click "Release Management" and "Manage Users" link on the menu at left

side

2. Hit "Remove User from Project" button.

Post conditions : User is removed from project

Expected output : System refresh the grid and user was removed.

Actual output : System refresh the grid and user was removed.

Pass or Fail : Pass

Bug ID / link : -

Additional notes :

29. Manage roles - get user role

Test items : Get user role in the project

Test priority :

Dependencies : 1. user is logged in to system

2. user choose any project

Pre conditions : no role information about user

Input data : user.

Test steps : 1. Click "Release Management" and "Manage Roles" link on the menu at left

side

2. Select user from combo box.

3. Hit "Get Role" button.

Post conditions : Got role information on selected user.

Expected output : System display the user role in the project.

Actual output : System display the user role in the project.

Pass or Fail : Pass

Bug ID / link : -

Additional notes :

30. Manage roles - no selected user to get the role information

Test items : Get user role in the project

Test priority :

Dependencies : 1. user is logged in to system

2. user choose any project

Pre conditions : no role information about user

Input data : user.

Test steps : 1. Click "Release Management" and "Manage Roles" link on the menu at left

side

2. Hit "Get Role" button.

Post conditions : No role information on selected user.

Expected output : System is not processing the click action.

Actual output : System is not processing the click action.

Pass or Fail : Pass

Bug ID / link :

Additional notes

31. Manage roles - set user role

Test items : Set user role in the project

Test priority :

Dependencies : 1. user is logged in to system

2. user choose any project

Pre conditions : user has no role in the project

Input data : user, role.

Test steps : 1. Click "Release Management" and "Manage Roles" link on the menu at left

side

2. Select user from combo box.3. Select role from combo box.

4. Hit "Set Role" button.

Post conditions : user assigned to specific role.

Expected output : System display message if user assignment is succeed.

Actual output : System display message if user assignment is succeed.

Pass or Fail : Pass

Bug ID / link : -

Additional notes :

32. Manage roles - set role with empty user

Test items : Set user role in the project

Test priority :

Dependencies : 1. user is logged in to system

2. user choose any project

Pre conditions : user has no role in the project

Input data : Role.

Test steps : 1. Click "Release Management" and "Manage Roles" link on the menu at left

side

2. Select role from combo box.

3. Hit "Set Role" button.

Post conditions : user is not assigned to specific role.

Expected output : System is not processing the click action.

Actual output : System is not processing the click action.

Pass or Fail : Pass

Bug ID / link : 
Additional notes :

#### 33. Manage user stories - create New User story

Test items : add new user story in project

Test priority :

Dependencies :

Pre conditions :

Input data :

Test steps :

Post conditions :

Expected Output :

Actual Output :

Pass or Fail :

Bug ID / link :

Additional Notes :

34. Create new task

Test items : user create a new task

Test priority :

Dependencies : 1. user is logged in to system

2. user choose any userstory

Pre conditions : the task does not exist in the system

Input data : task name.

Test steps : 1. click "Create Tasks"

2. Fill in name of the task3. Fill in the user assignment

4. Fill in comments 5.Click "Save"

Post conditions : new task is added to the system

Expected Output : system display success message as an alert and display the task in the task

list menu.

Actual Output : system display success message and display the project in the task name it

the task list menu.

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

35. Create new task - empty task name

Test items : user create a new task

Test priority :

Dependencies : 1. user is logged in to system

2. user choose any user story

Pre conditions : the task is not in the system

Input data : leave task name empty.

Test steps : 1. Click "Create Tasks"

2. Hit"Save"

Post conditions : Task is not created in the system

Expected output : System display error message.

Actual output : System display error message.

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

36. PermissionTest

Test items : Low level permission class

Test priority :

Dependencies : -

Pre conditions : -

Input data : -

Test steps : Check if developer has developer permissions and does not have

non-developer permissions. Check if project leader has project leader

permissions.

Postconditions : -

Expected Output : -

Actual Output : -

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

37. Create Release

Test items : Service level release/iteration creation

Test priority :

Dependencies : -

Pre conditions : Project exists, no iteration exists overlapping this one.

Input data : Release information

Test steps : Submit a create release request

Postconditions : Release now exists

Expected Output : Success message

Actual Output : Success message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

38. Create Release

Test items : Service level release/iteration creation

Test priority :

Dependencies : -

Pre conditions : Project exists, iteration exists overlapping this one.

Input data : Release information

Test steps : Submit a create release request

Postconditions : Release doesn't exist

Expected Output : Error message

Actual Output : Error message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

39. Update Release

Test items : Service level release/iteration update

Test priority :

Dependencies : -

Pre conditions : Iteration exists

Input data : Release information

Test steps : Submit an update release request

Postconditions : Release updated

Expected Output : Success message

Actual Output : Success message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

40. Create Project

Test items : Service level project creation

Test priority :

Dependencies : -

Pre conditions : -

Input data : Project information

Test steps : Submit a project create request

Postconditions : Project created

Expected Output : Success message

Actual Output : Success message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

41. Non-Project Users

Test items : Service level list of users not in a project

Test priority :

Dependencies : -

Pre conditions : Project exists

Input data : -

Test steps : Submit a request

Postconditions : -

Expected Output : User list

Actual Output : User list

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

42. Remove User Project

Test items : Service level removal of user from a project

Test priority :

Dependencies : -

Pre conditions : Project exists, user is in project

Input data : -

Test steps : Submit a request

Postconditions : User not in project

Expected Output : Success message

Actual Output : Success message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

43. Remove User Project

Test items : Service level removal of user from a project

Test priority :

Dependencies : -

Pre conditions : Project exists, user is not in project

Input data : -

Test steps : Submit a request

Postconditions : -

Expected Output : Error message

Actual Output : Error message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

44. Add User Project

Test items : Service level addition of user to a project

Test priority :

Dependencies : -

Pre conditions : Project exists, user is already in project

Input data : -

Test steps : Submit a request

Postconditions : -

Expected Output : Error message

Actual Output : Error message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

45. Add User Project

Test items : Service level addition of user to a project

Test priority :

Dependencies : -

Pre conditions : Project exists, user is not in project

Input data : -

Test steps : Submit a request

Postconditions : User now in project

Expected Output : Success message

Actual Output : Success message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

46. Decode Token

Test items : Low level token decoding

Test priority :

Dependencies : -

Pre conditions : User exists

Input data : Valid Token

Test steps : Call decoding function

Postconditions : -

Expected Output : Decoded token

Actual Output : Decoded token

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

47. Retrieve Status

Test items : Service level retrieval of statuses

Test priority :

Dependencies : -

Pre conditions : -

Input data : -

Test steps : Submit a request

Postconditions : -

Expected Output : Status list

Actual Output : Status list

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

48. Create Task

Test items : Service level creation of task

Test priority :

Dependencies : -

Pre conditions : User story exists

Input data : Task information

Test steps : Submit a request

Postconditions : Task created

Expected Output : Success message

Actual Output : Success Message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

49. Update Task

Test items : Service level task updating

Test priority :

Dependencies : -

Pre conditions : Task exists

Input data : Task information

Test steps : Submit a request

Postconditions : Task updated

Expected Output : Success message

Actual Output : Success Message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

50. Create User Story

Test items : Service level creation of user story

Test priority :

Dependencies : -

Pre conditions : Iteration exists

Input data : User story information

Test steps : Submit a request

Postconditions : User story created

Expected Output : Success message

Actual Output : Success Message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :

51. Update User Story

Test items : Service level task updating

Test priority :

Dependencies : -

Pre conditions : User story exists

Input data : User Story information

Test steps : Submit a request

Postconditions : User story updated

Expected Output : Success message

Actual Output : Success Message

Pass or Fail : Pass

Bug ID / link : -

Additional Notes :