
Conference Registration Management System

TEST REPORT

<Version 1.0>

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VERSION HISTORY

Version #	Implemented By	Revision	Brief Description
1.0	Shashank Mohabia (B16CS035) Lakshya Garg (B16CS012)	03-04-2018	<i>Initial Report</i>
2.0	Sai Kishore Kesaram (B16CS028) Sairipally Sai Surya (B16CS029)	10-04-2018	Cross testing

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1.0 INTRODUCTION

1.1 PURPOSE

This *Conference Registration Management System Unit and System* Test Report provides a summary of the results of test performed as outlined within this document. Testing is done to eliminate faults and errors to avoid user-end failure of the software. The test report also makes sure that the software delivers the stated functionality and services as mentioned in the software requirement specification.

Tests are performed under following specifications:

1. In-scope:

- a) Register
- b) Login
- c) Change Password
- d) Create Conference: for Admin
- e) Update Conference Details: for Admin
- f) Make Super User: for Admin
- g) Remove Super User: for Admin
- h) Remove User: for Admin
- i) Register for a conference
- j) Make Payment: for Normal User

2. Out-of-scope:

Performance related tests including efficiency and space-time complexities has not been performed.

3. Items not tested:

The running of multiple instances has not been checked because the data is loaded at the start of the program and stored at the end of the program only.

2.0 TEST PLAN

1. For each independent module unit testing is performed.
2. For modules from 'a' to 'j' Control flow testing is applied which includes complete branch and predicate coverage.
3. The modules involve procedural-call interface and shared-memory interface. So, attempts are made to perform appropriate system integration testing.

3.0 DETAILS OF UNIT TESTING

3.1 REGISTER

3.1.1 TEST ITEMS

The unit to be tested here is the function register (which facilitates the process of registration of a user in the software).

3.1.2 FEATURES TO BE TESTED

- 3.1.2.1 Uniqueness of username.
- 3.1.2.2 No spaces allowed in user name.
- 3.1.2.3 No integers allowed in first name, last name, city name, state name and country name.
- 3.1.2.4 Only digits allowed in mobile number and pincode.
- 3.1.2.5 Length of mobile number(10) and pincode(6).
- 3.1.2.6 Length of password(greater than or equal to 6 digits).

3.1.3 ITEM PASS/FAIL CRITERIA

- 3.1.3.1 The system should not allow more than one user of same username.
- 3.1.3.2 The system should not allow any spaces in the user name.
- 3.1.3.3 The system should not allow any integers in first name, last name, city name, state name and country name.
- 3.1.3.4 The system should allow only digits in mobile number and pincode.
- 3.1.3.5 The system should allow only digits in mobile number and pincode.
- 3.1.3.6 The system should not allow passwords of length less than 6 digits.

3.1.4 Test Cases

Test Number	Input Username	Input First name, Last name, City Name, State Name or Country Name	Input Mobile Number	Input Pin Code	Expected Result	Actual Result	Result (Pass/Fail)	Comment	Verification
3.1.1	unique username	string without spaces	10 digit number	6 digit number	Pass	Pass	Pass		Verified
3.1.2	unique username	string without spaces	10 digit number	Non 6 digit number	Unsuccessfully registered	Unsuccessfully registered	Pass	Invalid pin Code	Verified
3.1.3	unique username	string without spaces	Non 10 digit number	6 digit number	Unsuccessfully registered	Unsuccessfully registered	Pass	Invalid mobile number	Verified
3.1.4	unique username	string without spaces	Non 10 digit number	Non 6 digit number	Unsuccessfully registered	Unsuccessfully registered	Pass	Invalid mobile number and pin Code	Verified
3.1.5	unique username	string with spaces	10 digit number	6 digit number	Unsuccessfully registered	Unsuccessfully registered	Pass	Invalid string entry	Verified
3.1.6	unique username	string with spaces	10 digit number	Non 6 digit number	Unsuccessfully registered	Unsuccessfully registered	Pass	Invalid string entry and pin Code	Verified

3.1.7	unique username	string with spaces	Non 10 digit number	6 digit number	Unsucce ssfully register ed	Unsucce ssfully registere d	Pass	Invalid string entry and phone number	Verified

3.1.8	unique username	string with spaces	Non 10 digit number	Non 6 digit number	Unsuccessfully registered	Unsuccessfully registered	Pass	Invalid string entry, pin code and mobile number	Verified
3.1.9	Non unique username	string without spaces	10 digit number	6 digit number	Pass	Pass	Pass	Invalid username	Verified
3.1.10	Non unique username	string without spaces	10 digit number	Non 6 digit number	Unsuccessfully registered	Unsuccessfully registered	Pass	Invalid pin code and username	Verified
3.1.11	Non unique username	string without spaces	Non 10 digit number	6 digit number	Unsuccessfully registered	Unsuccessfully registered	Pass	Invalid mobile number and username	Verified
3.1.12	Non unique username	string without spaces	Non 10 digit number	Non 6 digit number	Unsuccessfully registered	Unsuccessfully registered	Pass	Invalid username, mobile number and pin code	Verified
3.1.13	Non unique username	string with spaces	10 digit number	6 digit number	Unsuccessfully registered	Unsuccessfully registered	Pass	Invalid username and string entry	Verified
3.1.14	Non unique username	Non string without spaces	10 digit number	Non 6 digit number	Unsuccessfully registered	Unsuccessfully registered	Pass	Invalid username, string entry and pin code	Verified
3.1.15	Non Unique	string with spaces	Non 10 number	6 digit	Unsuccessful register	Unsuccessful registered	Pass	Invalid string entry	Verified

					ed	d		and mobile number		
3.1.16	Non unique username	string with spaces	Non 10 digit number	Non 6 digit number	Unsucce ssfully register ed	Unsucce ssfully registere d	Pass	Invalid username, string entry, mobile number and pin code	Verified	

3.2 LOGIN

3.2.1 TEST ITEMS

The unit to be tested here is the function login (which facilitates the process of login of a user in the software).

3.2.2 FEATURES TO BE TESTED

3.2.2.1 Existence of username.

3.2.2.2 User authentication.

3.2.3 ITEM PASS/FAIL CRITERIA

3.2.3.1 The system should check whether the username exists or not.

3.2.3.2 The system should check whether the username and password are correct or not.

3.2.4 Test Cases

Present Situation of Database	
Username	Password
sohail	khan

Test Number	Input Username	Input Password	Expected Output	Actual Output	Pass/Fail	Comments	Verification
3.2.1	sohail	khan	Successfully logged in	Successfully logged in	Pass	Username exists and password is correct	Verified
3.2.2	sohail	prabha	Not logged in	Not logged in	Pass	Incorrect password	Verified
3.2.3	sahil	khan	Not logged in	Not logged in	Pass	Username does not exist and invalid password	Verified

3.3 CHANGE PASSWORD

3.3.1 TEST ITEMS

The unit to be tested here is the function of changing password.

3.3.2 FEATURES TO BE TESTED

3.3.2.1 Length of password (greater than or equal to 6 digits).

3.3.3 ITEM PASS/FAIL CRITERIA

3.3.3.1 The system should not allow passwords of length less than 6 digits.

3.3.4 Test Cases

Test Number	Input password	Expected Output	Actual Output	Pass/Fail	Comments	Verification
3.3.1	sohail	Password changed successfully	Password changed successfully	Pass		Verified
3.3.2	khan	Password not changed	Password not changed	Pass	Invalid password	Verified

3.4 CREATE CONFERENCE

3.4.1 TEST ITEMS

The unit to be tested here is the function create conference.

3.4.2 FEATURES TO BE TESTED

3.4.2.1 Unique conference name.

3.4.2.2 Whether the conference is created.

3.4.3 ITEM PASS/FAIL CRITERIA

3.4.3.1 The system should not allow more than one conference of same conference name.

3.4.3.2 If the conference is created, then the test is deemed to be passed.

3.4.4 Test Cases

Present State of Database
Conference Name
Systers

Test Number	Input conference name	Expected Output	Actual Output	Pass/Fail	Comments	Verification
3.4.1	PHPBB	Successfully created	Successfully created	Pass		Verified
3.4.2	Systers	Not created	Not created	Pass	Invalid conference name	Verified

3.5 UPDATE CONFERENCE DETAILS

3.5.1 TEST ITEMS

The unit to be tested here is the function update conference details (namely name, date, time and venue)

3.5.2 FEATURES TO BE TESTED

3.5.2.1 The entered new name for conference is unique.

3.5.2.2 Whether the conference is updated.

3.5.3 ITEM PASS/FAIL CRITERIA

- 3.5.3.1 The system should not allow more than one conference of same conference name.
- 3.5.3.2 If the conference is updated, then the test is deemed to be passed.

3.5.4 Test Cases

Present State of Database
Conference Name
Systers
PHPBB

Test Number	Input conference name	Expected Output	Actual Output	Pass/Fail	Comments	Verification
3.5.1	Kodi	Successfully updated	Successfully updated	Pass		Verified
3.5.2	PHPBB	Not updated	Not updated	Pass	Invalid conference name	Verified

3.6 MAKE SUPER USER

3.6.1 TEST ITEMS

The unit to be tested here is the function make super user.

3.6.2 FEATURES TO BE TESTED

- 3.6.2.1 Existence of username.
- 3.6.2.2 Whether the user is given superuser access.

3.6.3 ITEM PASS/FAIL CRITERIA

- 3.6.3.1 The system should check whether the username exists or not.
- 3.6.3.2 If the user is granted superuser access, then the test is deemed to be passed.

3.6.4 Test Cases

Present State of Database	
Username	Superuser status
sohail	1
ajat	0

Test Number	Input username	Expected Output	Actual Output	Pass/Fail	Comments	Verification
3.6.1	sohail	Already a superuser	Already a superuser	Pass	Superuser status already true	Verified
3.6.2	ajat	Username granted superuser access	Username granted superuser access	Pass		Verified
3.6.3	saksham	Not granted access to any user	Not granted access to any user	Pass	Invalid username	Verified

3.7 REMOVE SUPER USER

3.7.1 TEST ITEMS

The unit to be tested here is the function remove super user.

3.7.2 FEATURES TO BE TESTED

3.7.2.1 Existence of username.

3.7.2.2 Whether the user's superuser access is revoked.

3.7.3 ITEM PASS/FAIL CRITERIA

3.7.3.1 The system should check whether the username exists or not.

3.7.3.2 If the user's superuser access is revoked, then the test is deemed to be passed.

3.7.4 Test Cases

Present State of Database	
Username	Superuser status
sohail	1
ajat	0

Test Number	Input Username	Expected Output	Actual Output	Pass/Fail	Comments	Verification
3.7.1	sohail	Super access revoked	Super access revoked	Pass		Verified
3.7.2	ajat	User is not a super user	User is not a super user	Pass	Superuser status already false	Verified
3.7.3	saksham	Not revoked access of any user	Not revoked access of any user	Pass	Invalid username	Verified

3.8 REMOVE SUPER USER

3.8.1 TEST ITEMS

The unit to be tested here is the function remove super user.

3.8.2 FEATURES TO BE TESTED

- 3.8.2.1 Existence of username.
- 3.8.2.2 Whether the user is removed.

3.8.3 ITEM PASS/FAIL CRITERIA

- 3.8.3.1 The system should check whether the username exists or not.
- 3.8.3.2 If the user is removed, then the test is deemed to be pass.

3.8.4 Test Cases

Present State of Database
Username
sohail

Test Number	Input Username	Expected Output	Actual Output	Pass/Fail	Comments	Verification
3.8.1	sohail	User is removed	User is removed	Pass		Verified
3.8.2	sahil	Username does not exist	Username does not exist	Pass	Invalid username	Verified

3.9 MAKE PAYMENT

3.9.1 TEST ITEMS

The unit to be tested here is the make payment.

3.9.2 FEATURES TO BE TESTED

3.9.2.1 Whether user is registered for the conference or not.

ITEM PASS/FAIL

3.9.3 CRITERIA

3.9.3.1 If user is not registered for conference, payment will not be made else payment will be completed.

3.9.4 Test Cases

Test Number	Input Conference Name	Input Conference Type	Expected Output	Actual Output	Pass /Fail	Comments	Verification
3.9.1	Valid Conference Name	Valid Conference Type	Successfully paid	Successfully paid	Pass		Verified
3.9.2	Valid Conference Name	Invalid Conference Type	Unsuccessful payment	Unsuccessful payment	Fail	Invalid conference name	Verified

3.9.3	Invalid Conference Name	Valid Conference Type	Unsuccessful payment	Unsuccessful payment	Fail	Invalid registration type
3.9.4	Invalid Conference Name	Valid Conference Type	Unsuccessful payment	Unsuccessful payment	Fail	Invalid registration type and conference name

4.0 DETAILS OF SYSTEM TESTING

Step	TEST STEP/INPUT	Intended Result	Actual Result	Pass/Fail
1	Show Conference Detail	Show Conference Details(Name, Date, Time, Venue, Seats Availability)	Show Conference Details(Name, Date, Time, Venue, Seats Availability)	Pass
2	Register	New user get registered	New user get registered	Pass
3	Login -> User Profile	User views one's details i.e. user profile	User views one's details i.e. user profile	Pass
4	Login -> Conference Detail	Show Conference Details(Name, Date, Time, Venue, Seats	Show Conference Details(Name, Date, Time, Venue, Seats	Pass

		Availability)	Availability)	
5	Login -> Create Conference	Create a new conference	Create a new conference	Pass
6	Login -> Registered Data	View registered data	View registered data	Pass
7	Registered Data -> Show Final Attendee List	View the final list of attendees who have paid the fee	View the final list of attendees who have paid the fee	Pass
8	Registered Data -> Show Registered User List	View the list of registered data	View the list of registered data	Pass
9	Registered Data -> Show Pending Payment User List	View the list of registered data who have not paid the fee	View the list of registered data who have not paid the fee	Pass
10	Login -> Update Conference Details	Update the details of conference namely name, date, time, venue and seats available	Update the details of conference namely name, date, time, venue and seats available	Pass
11	Login -> Make Superuser	Grant a user superuser access	Grant a user superuser access	Pass

12	Login -> Remove Superuser	Revoke a user's superuser status	Revoke a user's superuser status	Pass
13	Login -> Remove User	Remove a user	Remove a user	Pass
14	Login -> Registered Conferences	View one's registered conferences	View one's registered conferences	Pass
15	Login -> All Conference Details	View details of all the conferences	View details of all the conferences	Pass
16	Login -> Register for a Conference	Register for a conference	Register for a conference	Pass
17	Login -> Make Payment	Make payment for any of the registered conferences	Make payment for any of the registered conferences	Pass
18	Login -> Change Password	Change password for any of the registered users	Change password for any of the registered users	Pass

5.0 DETAILS OF SYSTEM TESTING

Test Case ID	Summary of Defect	Why not resolved
3.7.1	Last admin is able to revoke his admin status	It is not an error as the program gives the functionality to revoke the access of any super user by any other super user including himself.