MEETING APPOINTMENT SCHEDULER

TEST REPORT

Version 1.0

02/04/2018

Version	Implemented By	Date	Description
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1.0 INTRODUCTION

1.1 PURPOSE

This *Meeting Appointment Scheduler* Test Report provides a summary of the results of the test performed as outlined within this document.

2.0 TEST PLAN

The test plan for the *Meeting Appointment Scheduler* project can be summed up into the following major goals:

1. Unit Testing
2. System Testing

Unit Testing :

In this testing each function in the code will be tested separately . All possible sets of inputs will be used to test the function . Expected and actual output will be noted for each function. Criteria to fail/pass the function are also mentioned.

System Testing :

There are many systems/units in this software such as Register, Login, Request Appointment, Cancel Appointment etc. Set input are used to test and end results are examined .

3.0 DETAILS OF UNIT TESTING

3.1 Verify Login Credentials

3.1.1 Takes username and password as arguments.

3.1.2 This function returns '1' only if both username and password are valid otherwise returns '0'.

3.1.3 The username and password should exist in the database.

Test ID	Set Of Inputs	Actual Outcome	Expected Outcome	Pass/ Fail	Description	Verification
1.	Avenger123 asdf1234	1	1	Pass		Verified
2.	Wolverine99 Vinay1999	0	0	Pass	Password is wrong.	Verified
3.	Donald666 America111	1	1	Pass		Verified

3.2 Edit Name

3.2.1 Taking new name.

3.2.2 User has to select option '1' after edit_profile() is called. If the entered name is already existing in database then user should enter again correctly.

3.2.3 The new name entered should contain only uppercase and lowercase English letters and space between words is allowed.

Test ID	Set Of Inputs	Actual Outcome	Expected Outcome	Pass/ Fail	Description	Verification
1.	Vijay M	Vijay M	Vijay M	Pass		Verified
2.	Vinay44	Please Enter a Valid New Name	Please Enter a Valid New Name	Pass	Only English letters are allowed.	Verified
3.	Donald Jump	Donald Jump	Donald Jump	Pass		Verified

3.3 Edit Username

3.3.1 Taking new username.

3.3.2 User has to select option '2' after edit_profile() is called. If the entered username is already existing in database then user should enter again correctly.

3.3.3 The new username entered should contain atleast 8 characters. Also atleast one uppercase, one lowercase and one number and space between words is not allowed.

Test ID	Set Of Inputs	Actual Outcome	Expected Outcome	Pass/ Fail	Description	Verification
1.	Avenger 88	Avenger88 8	Avenger88	Pass		fail
2.	Wolverine	Please Enter a Valid New Username	Please Enter a Valid New Username	Pass	Atleast one number should be present in the username.	Fail (username is not getting updated in text file(Database))
3.	Swachh55 5	Swachh55	Swachh55	Pass		fail

3.4 Edit Password

3.4.1 Taking new password.

3.4.2 User has to select option '3' after edit_profile() is called. If the entered username is already existing in database then user should enter again correctly.

3.4.3 The new username entered should contain atleast 8 characters.

Test ID	Set Of Inputs	Actual Outcome	Expected Outcome	Pass/ Fail	Description	Verification
1.	asdfg123 45	asdfg1234 5	asdfg12345	Pass		Verified
2.	Vinay201 8	Vinay2018	Vinay2018	Pass		Verified
3.	bharat4	Please Enter a Valid New Password.	Please Enter a Valid New Password.	Pass	Atleast 8 characters are necessary.	Verified

3.5 Select Acceptor

3.5.1 The username of the acceptor is selected.

3.5.2 A vector containing all the usernames of the existing users is passed into the function and the index of a username is selected.

3.5.3 The username selected must be already existing in the database.

Test ID	Set Of Inputs	Actual Outcome	Expected Outcome	Pass/ Fail	Description	Verification
1.	Avenger123 Wolverine 99 Swachh22 Donald666 , 3	The selected username is Swachh22.	The selected username is Swachh22.	Pass		Verified
2.	Avenger123 Wolverine 99 Swachh22 Donald666	Please Enter a valid number	Please Enter a valid number	Pass		Verified

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3.6 Send Notification

3.6.1 A notification is sent to acceptor after a seeker requests for an appointment with the same acceptor.

3.6.2 Input is the acceptors username and output is seekers username, date and slot of appointment.

3.6.3 Acceptors username should already exist in the database.

Test ID	Set Of Inputs	Actual Outcome	Expected Outcome	Pass/ Fail	Description	Verification
1.	Wolverine 99	Avenger123 5 - 4 - 2018 2:00 PM - 3:00 PM	Avenger123 5 - 4 - 2018 2:00 PM - 3:00 PM	Pass		Verified
2.	Donald66	Please Enter a Valid Username	Please Enter a Valid Username	Pass		Verified

3.7 Request Normal Appointment

3.7.1 Appointment type is Normal(N).

3.7.2 Current Date, an integer(for Appointment Date) and Slot are inputs. Date is given in the form of number of days following the current date.

3.7.3 Current Date and Slot should be valid. Appointment Date should be from the fifth working day and onwards.

Test ID	Set Of Inputs	Actual Outcome	Expected Outcome	Pass /Fail	Description	Verification
1.	4 - 4 - 2018, 10 1:00 PM -	Wolverine99 14 - 4 - 2018 1:00 PM -	Wolverine9 9 7 - 4 - 2018	Pass		Verified

	2:00 PM	2:00 PM	1:00 PM - 2:00 PM			
2.	5 - 4 - 2018, 2 4:00 PM - 5:00 PM	Please Enter a Valid Date	Please Enter a Valid Date	Pass		Verified

3.8 Request Priority Appointment

3.8.1 Appointment type is Priority(P).

3.8.2 Current Date, an integer(for Appointment Date) and Slot are inputs. Date is given in the form of number of days following the current date.

3.8.3 Current Date and Slot should be valid. Appointment Date should be within the next four days from the current date.

Tes t ID	Set Of Inputs	Actual Outcome	Expected Outcome	Pass /Fail	Descripti on	Verification
1.	4 - 4 - 2018, 3 1:00 PM - 2:00 PM	Wolverine99 7 - 4 - 2018 1:00 PM - 2:00 PM	Wolverine9 9 7 - 4 - 2018 1:00 PM - 2:00 PM	Pass		Verified

| 2. | 5 - 4 - 2018, 7 4:00 PM - 5:00 PM | Please Enter a Valid Date | Please Enter a Valid Date | Pass | | Verified |

3.9 Accept Appointment

3.9.1 If Acceptor accepts appointment then appointment is confirmed.

3.9.2 Input is a char variable which is only Y.

3.9.3 If char other than Y is entered then it must be entered again.

Test ID	Set Of Inputs	Actual Outcome	Expected Outcome	Pass/Fail	Description	Verification
1.	Y	Appointment for Seeker and Acceptor is confirmed.	Appointment for Seeker and Acceptor is confirmed.	Pass		Verified

3.10 Decline Appointment

3.10.1 If Acceptor rejects appointment then appointment is declined.

3.10.2 Input is a char variable which is only N (No).

3.10.3 If char other than N is entered then it must be entered again.

Test ID	Set Of Inputs	Actual Outcome	Expected Outcome	Pass /Fail	Description	Verification
2.	N	Please Enter a valid character.	Please Enter a valid character.	Pass		Verified

3.11 Process Appointment

3.11.1 Acceptor processes the appointments by looking all notifications.

3.11.2 A list of all notifications is displayed and acceptor either accepts or declines those appointments.

3.11.3 An acceptor can accept two appointments of same seeker in different slots on the same working day. Acceptor cannot accept an appointment whose slot matches with another slot of an appointment which is already accepted.

Test ID	Set Of Inputs	Actual Outcome	Expected Outcome	Pass /Fail	Description	Verification
1.	a)Avenger123 6 - 4 - 2018 11:00 AM - 12:00	Y,N,Y	Y,N,Y	Pass		Verified

PM
b)Wolverine99
  7 - 4 - 2018
   10:00 AM - 11:00 AM
c)Avenger123
  6 - 4 - 2018
   4:00 PM - 5:00 PM						

4.0 DETAILS OF SYSTEM TESTING

4.1 Register

For a user to register an account he should select option '1' on the homepage where create_account() function is called.

Step	Test Step	Input	Intended Result	Expected Result	Pass/ Fail	Comments	Verification

1.	create_account()	Name Username Password Calendar	Entered details are checked if present in database. If not then will be asked to enter again.	Same as expected	Pass		Verified
	Eg 1.	Vijay Siddharth Avenger123	Your Account has been Created Successfully.	Your Account has been Created Successfully.	Pass		Verified
	Eg 2.	Vinay N asdf123	Please Enter a valid username.	Please Enter a valid username.	Pass	Username has less than 8 characters and no uppercase letter.	Verified

4.2 Login

For a user to Log in he should select option '2' on the homepage where enter_login_credentials() is called which takes username and password. Then select_features() is called which displays the features available in the software.

Step	Test Step	Input	Intended Result	Actual Result	Pass /Fail	Comments	Verification
1.	enter_login_c redentials()	Username Password	Entered details are checked if present in database. If not then will be asked to enter again.	Same as expected	Pass		Verified
	Eg 1.	Avenger1 23 asdf1234	Login Successful	Login Successfu l	Pass		Verified
2.	select_featur es()	A variable that takes values from 1 to 6.	Displays all the features available in the software.	Same as expected	Pass		Verified
	Eg 1.	4	Edit Profile	Same as expected	Pass		Verified
	Eg 2.	8	Please Enter a valid number.	Please Enter a valid number.	Pass	Entered value is greater than 6.	Verified
	Eg 3.	4tyuow	Edit Profile	Please Enter a valid number.	Fail		Verified

4.3 Request Appointment

For a seeker to request an appointment he must log in first. Then select option '1' where request_appointment function is called. Appointment can be normal or priority. For normal appointment, request_normal_appointment() is called and for priority, request_priority_appointment() is called. Seeker selects an acceptor when select_acceptor() is called. Finally a notification is sent to the selected acceptor by calling send_notification().

Step	Test Step	Input	Intended Result	Actual Result	Pass/ Fail	Comme nts	Verification
1.	request_appoi ntment()	Usernam e of Acceptor and a char variable that takes either N or P.	Object of appointme nt details is filled in acceptor's appointme nt vector.	Object of appointme nt details is filled in acceptor's appointme nt vector.	Pass		Verified

4.4 Cancel Appointment

For a seeker to cancel a particular appointment, that appointment must be already confirmed. Here cancel_appointment() is called to cancel an appointment.

Step	Test Step	Input	Intended Result	Actual Result	Pass/Fail	Comments	Verification
1.	cancel_appointment()	Username of Acceptor, Date and Slot of appointment.	The appointment is cancelled and this is updated in database.	The appointment is cancelled and this is updated in database.	Pass		Verified

4.5 View Profile

After logging in to view profile a user should select option '3' where view_profile() is called.

Step	Test Step	Input	Intended Result	Actual Result	Pass /Fail	Comments	Verification
1.	view_profile()	A variable that takes values from 1 to 6.	User account details that are name, username, password are displayed.	Same as expected	Pass		Verified

4.6 Edit Profile

A user can change their profile i.e their account details by selecting option '1' after view_profile() is called or option '4' in the list of features. Here the item to be tested is edit_profile().

Step	Test Step	Input	Intended Result	Actual Result	Pass /Fail	Comments	Verification
1.	edit_profile()	A variable that takes values from 1 to 4.	A list of options referring to edit name, edit username, edit password and return to homepage are displayed.	Same as expected	Pass		Verified

4.7 View Schedule

After logging in to view schedule a user should select option '5' in the list of features and here view_schedule() is called.

Ste p	Test Step	Input	Intende d Result	Actual Result	Pas s/Fa il	Commen ts	Verificati on
1.	view_schedule()	Vector of fixed appointm ents for the user according to date and slot.	The schedule of the user is displayed.	The schedule of the user is displayed.	Pass		Verified