# **MEETING APPOINTMENT SCHEDULER**

# **TEST REPORT**

Version 1.0

02/04/2018

# 

# 

# 

# 

# 

# 

# 

# 

# 

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Implemented By** | **Date** | **Description** |
| 1.0 | Group -14:  M. Vijay Siddharth(B16CS014)  Vinay Nagalgaonkar(B16CS017) | 02/04/2018 |  |
| 2.0 | Group-8 :  Nikunj labana (B16CS021)  Shivam nirne (B16CS022) | 09/04/2018 |  |
|  |  |  |  |
|  |  |  |  |

# 

# 

# 

Table of Contents

**1. Introduction**

1.1 Purpose

**2. Test Plan**

**3. Details of Unit Testing**

3.1 Verify Login Credentials

3.2 Edit Name

3.3 Edit Username

3.4 Edit Password

3.5 Select Acceptor

3.6 Send Notification

3.7 Request Normal Appointment

3.8 Request Priority Appointment

3.9 Accept Appointment

3.10 Decline Appointment

3.11 Process Appointment

**4. Details of System Testing**

4.1 Register

4.2 Login

4.3 Request Appointment

4.4 Cancel Appointment

4.5 View Profile

4.6 Edit Profile

4.7 View Schedule

**5. Unresolved Test Instances**

**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. | Avenger88 | Avenger88 | 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 | 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. | asdfg12345 | asdfg12345 | asdfg12345 | Pass |  | Verified |
| 2. | Vinay2018 | 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  Wolverine99  Swachh22  Donald666, 3 | The selected username is Swachh22. | The selected username is Swachh22. | Pass |  | Verified |
| 2. | Avenger123  Wolverine99  Swachh22  Donald666, 7 | Please Enter a valid number | Please Enter a valid number | Pass |  | Verified |

**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. | Wolverine99 | 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 - 2:00 PM | Wolverine99  14 - 4 - 2018  1:00 PM - 2:00 PM | Wolverine99  7 - 4 - 2018  1:00 PM - 2:00 PM | Pass |  | Verified |
| 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.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test ID | Set Of Inputs | Actual Outcome | Expected Outcome | Pass/Fail | Description | Verification |
| 1. | 4 - 4 - 2018, 3  1:00 PM - 2:00 PM | Wolverine99  7 - 4 - 2018  1:00 PM - 2:00 PM | Wolverine99  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 PM  b)Wolverine99  7 - 4 - 2018  10:00 AM - 11:00 AM  c)Avenger123  6 - 4 - 2018  4:00 PM - 5:00 PM | Y,N,Y | Y,N,Y | Pass |  | Verified |

# 

# 

# 

# **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\_credentials() | 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. | Avenger123  asdf1234 | Login Successful | Login Successful | Pass |  | Verified |
| 2. | select\_features() | 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 | Comments | Verification |
| 1. | request\_appointment() | Username of Acceptor and a char variable that takes either N or P. | Object of appointment details is filled in acceptor’s appointment vector. | Object of appointment details is filled in acceptor’s appointment 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.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Step | Test Step | Input | Intended Result | Actual Result | Pass/Fail | Comments | Verification |
| 1. | view\_schedule() | Vector of fixed appointments for the user according to date and slot. | The schedule of the user is displayed. | The schedule of the user is displayed. | Pass |  | Verified |

# 