

The test cases include tests for all functions, each test component are followed by the screenshots of program test results.



Latest test runs:

Show your test runs

| V | Test run name | New bugs found: | | | | Date | Passed | Failed | CNT | N/A | Remaining |
|-------------------|-----------------------------------------|-----------------|-------|-------|---------|-------|--------|--------|-----|-----|-----------|
| | | Critical | Major | Minor | Trivial | | | | | | |
| Assignment Part 1 | availableDay/TimeTest | 0 | 0 | 0 | 0 | today | 100% | 0% | 0% | 0% | 0% |
| Assignment Part 1 | workersAvailabilityTest | 0 | 0 | 0 | 0 | today | 100% | 0% | 0% | 0% | 0% |
| Assignment Part 1 | newBookingTest | 0 | 0 | 0 | 0 | today | 100% | 0% | 0% | 0% | 0% |
| Assignment Part 1 | allBookingsTest | 0 | 0 | 0 | 0 | today | 100% | 0% | 0% | 0% | 0% |
| Assignment Part 1 | addBusinessTimeTest | 0 | 0 | 0 | 0 | today | 100% | 0% | 0% | 0% | 0% |
| Assignment Part 1 | newEmployeeTest | 0 | 0 | 0 | 0 | today | 100% | 0% | 0% | 0% | 0% |
| - | registerTest | 0 | 0 | 0 | 0 | today | 83.3% | 16.7% | 0% | 0% | 0% |
| Assignment Part 1 | loginTest | 0 | 0 | 0 | 0 | today | 100% | 0% | 0% | 0% | 0% |

"SEPT-Project1-Testing" test suite

loginTest

Version number: Assignment Part 1

Started by: [rmit-s3583185-r](#)

Start date/time: 1 hour ago

End date/time: 1 hour ago

[Export Test run](#)

Detailed test run results:

A bar chart showing the distribution of test results. The x-axis represents the test status, and the y-axis represents the count. The legend indicates: PASS (100%) in green, FAIL (0%) in red, COULD NOT TEST (0%) in dark blue, and N/A (0%) in grey. The chart shows 4 passes, 0 failures, 0 could not test, and 0 N/A.

| Test Result | Count | Percentage |
|----------------|-------|------------|
| PASS | 4 | 100% |
| FAIL | 0 | 0% |
| COULD NOT TEST | 0 | 0% |
| N/A | 0 | 0% |

Expand all Show: All Pass Fail CNT N/A

| | |
|--------------------------------------------------------------------------|------|
| > Case #1: <i>false username/password</i> | Pass |
| > Case #2: <i>correct username/password in Business table</i> | Pass |
| > Case #3: <i>correct username/password in Customerinfo table</i> | Pass |
| > Case #4: <i>username "owner" password "customer"</i> | Pass |

```
Username: owner
Password: owner
```

```
Username: abc
Password: abc
Incorrect credentials!
```

Please select one of the following options:

- A - Add a new employee
- B - Add business day/time for the next month
- C - View the summaries of bookings
- D - View new bookings
- E - Show all workers' availability for the next 7 days
- X - Logout

Enter your selection:

```
Username: customer
Password: customer
```

```
Please select one of the following options:
A - View available days/time
X - Logout
Enter your selection:
```

```
Username: owner
Password: customer
Incorrect credentials!
```

Test cases for register

"SEPT-Project1-Testing" test suite

registerTest

Version number: Assignment Part 1

Started by: rmit-s3583185-r

Start date/time: 10 seconds ago

End date/time: 1 second ago

Export Test run

Detailed test run results:

6

0

0

0

PASS (100%)

FAIL (0%)

COULD NOT TEST (0%)

N/A (0%)

Test run results:

Expand all

Show: All | Pass | Fail | CNT | N/A

> register

> Case #1: username "owner" password "owner"Pass

> Case #2: password less than 6Pass

> Case #3: password doesn't follow the formatPass

> Case #4: contact number doesn't follow the formatPass

> Case #5: all input are correct, username/password don't exist in the databasePass

> Case #6: password and re-enter password don't matchPass

Welcome to Appointment Booking System!

Please select one of the following options:

A - Login

B - Register

X - Exit Program

Enter your selection: b

Username: owner

Password must contain 1 uppercase, 1 lowercase, 1 digit, no space and minimum length of 6.

Password: owner

Confirm Password: owner

Please enter your first name: 1

Please enter your last name: 2

Please enter your address: 3

Please enter your contact number: 2

Password is too easy, return to the main menu.

Username: ryan

Password must contain 1 uppercase, 1 lowercase, 1 digit, no space and minimum length of 6.

Password: Rain0

Confirm Password: Rain0

Please enter your first name: a

Please enter your last name: b

Please enter your address: 123

Please enter your contact number: 123

Password is too easy, return to the main menu.

Welcome to Appointment Booking System!

Please select one of the following options:

A - Login

B - Register

X - Exit Program

Enter your selection: b

Username: lon

Password must contain 1 uppercase, 1 lowercase, 1 digit, no space and minimum length of 6.

Password: 1234567

Confirm Password: 1234567

Please enter your first name: a

Please enter your last name: b

Please enter your address: 1

Please enter your contact number: 2

Password is too easy, return to the main menu.

Username: rain

Password must contain 1 uppercase, 1 lowercase, 1 digit, no space and minimum length of 6.

Password: Rainbow123

Confirm Password: Rainbow123

Please enter your first name: a

Please enter your last name: b

Please enter your address: melbourne cbd

Please enter your contact number: abc

Contact number format is invalid!

Welcome to Appointment Booking System!

Please select one of the following options:

A - Login

B - Register

X - Exit Program

Enter your selection: b

Username: ryan

Password must contain 1 uppercase, 1 lowercase, 1 digit, no space and minimum length of 6.

Password: Rainbow123

Confirm Password: Rainbow123456

Please enter your first name: ran

Please enter your last name: lu

Please enter your address: cbd

Please enter your contact number: 123

Passwords don't match!

Username: ryan

Password must contain 1 uppercase, 1 lowercase, 1 digit, no space and minimum length of 6.

Password: Rainbow123

Confirm Password: Rainbow123456

Please enter your first name: ran

Please enter your last name: lu

Please enter your address: cbd

Please enter your contact number: 123

Passwords don't match!

Test cases for add new employee

"SEPT-Project1-Testing" test suite

newEmployeeTest

Version number: Assignment Part 1

Started by: rmit-s3583185-r

Start date/time: 10 minutes ago

End date/time: 10 minutes ago

Export Test run

Detailed test run results:

6

0

0

0

PASS (100%)

FAIL (0%)

COULD NOT TEST (0%)

N/A (0%)

Test run results:

Expand all | Show: All | Pass | Fail | CNT | N/A

> Add a new employee

> Case #1: invalid email

Pass

> Case #2: invalid contact number

Pass

> Case #3: working day out of bound

Pass

> Case #4: working time out of bound

Pass

> Case #5: add multiple working day/time sets

Pass

> Case #6: quit without saving employee's details

Pass

You have chosen option A: Add a new employee.
Please enter the employee's first name:
ran
Please enter the employee's last name:
lu
Please enter the employee's e-mail address:
123
Please enter the employee's contact number:
123 456
Please select the employee's working day in a week:
1.Monday 2.Tuesday 3.Wednesday 4.Thursday 5.Friday 6.Saturday 7.Sunday
1
Please select the employee's working time in a day:
1. 9:00-13:00 2. 13:00-17:00 3. 9:00-13:00 and 13:00-17:00 4. null
2
Please select one of the following options:
1 - Store the employee information
2 - Add more working time
3 - Quit without saving any information
1
Email address format is invalid!

Please select one of the following options:
A - Add a new employee
B - Add business day/time for the next month
C - View the summaries of bookings
D - View new bookings
E - Show all workers' availability for the next 7 days
X - Logout
Enter your selection:

You have chosen option A: Add a new employee.
Please enter the employee's first name:
ran
Please enter the employee's last name:
lu
Please enter the employee's e-mail address:
123@qq.com
Please enter the employee's contact number:
abc
Please select the employee's working day in a week:
1.Monday 2.Tuesday 3.Wednesday 4.Thursday 5.Friday 6.Saturday 7.Sunday
1
Please select the employee's working time in a day:
1. 9:00-13:00 2. 13:00-17:00 3. 9:00-13:00 and 13:00-17:00 4. null
2
Please select one of the following options:
1 - Store the employee information
2 - Add more working time
3 - Quit without saving any information
1
contact number is invalid!

You have chosen option A: Add a new employee.
Please enter the employee's first name:
ran
Please enter the employee's last name:
lu
Please enter the employee's e-mail address:
123@qq.com
Please enter the employee's contact number:
123
Please select the employee's working day in a week:
1.Monday 2.Tuesday 3.Wednesday 4.Thursday 5.Friday 6.Saturday 7.Sunday
1
Please select the employee's working time in a day:
1. 9:00-13:00 2. 13:00-17:00 3. 9:00-13:00 and 13:00-17:00 4. null
5
Invalid input!

You have chosen option A: Add a new employee.
Please enter the employee's first name:
ran
Please enter the employee's last name:
lu
Please enter the employee's e-mail address:
123@qq.com
Please enter the employee's contact number:
123
Please select the employee's working day in a week:
1.Monday 2.Tuesday 3.Wednesday 4.Thursday 5.Friday 6.Saturday 7.Sunday
1
Please select the employee's working time in a day:
1. 9:00-13:00 2. 13:00-17:00 3. 9:00-13:00 and 13:00-17:00 4. null
5
Invalid input!

```
You have chosen option A: Add a new employee.
Please enter the employee's first name:
nan
Please enter the employee's last name:
lu
Please enter the employee's e-mail address:
123@qq.com
Please enter the employee's contact number:
123 456
Please select the employee's working day in a week:
1.Monday 2.Tuesday 3.Wednesday 4.Thursday 5.Friday 6.Saturday 7.Sunday
1
Please select the employee's working time in a day:
1. 9:00-13:00 2. 13:00-17:00 3. 9:00-13:00 and 13:00-17:00 4. null
1
Please select one of the following options:
1 - Store the employee information
2 - Add more working time
3 - Quit without saving any information
2
Please select the employee's working day in a week:
1.Monday 2.Tuesday 3.Wednesday 4.Thursday 5.Friday 6.Saturday 7.Sunday
2
Please select the employee's working time in a day:
1. 9:00-13:00 2. 13:00-17:00 3. 9:00-13:00 and 13:00-17:00 4. null
3
Please select one of the following options:
1 - Store the employee information
2 - Add more working time
3 - Quit without saving any information
1
[08.04.2017 05:48:37] DatabaseManager: A new employee has been inserted into Employee.
The employee's information have been added to your account.
```

```
You have chosen option A: Add a new employee.
Please enter the employee's first name:
tom
Please enter the employee's last name:
abc
Please enter the employee's e-mail address:
123@cc.com
Please enter the employee's contact number:
123
Please select the employee's working day in a week:
1.Monday 2.Tuesday 3.Wednesday 4.Thursday 5.Friday 6.Saturday 7.Sunday
2
Please select the employee's working time in a day:
1. 9:00-13:00 2. 13:00-17:00 3. 9:00-13:00 and 13:00-17:00 4. null
1
Please select one of the following options:
1 - Store the employee information
2 - Add more working time
3 - Quit without saving any information
3
Employee information wasn't saved!
```


Test cases for add business days/time

"SEPT-Project1-Testing" test suite

addBusinessTimeTest

Version number: Assignment Part 1

Started by: rmit-s3583185-r

Start date/time: 10 minutes ago

End date/time: 9 minutes ago

Export Test run

Detailed test run results:

4

0

0

0

PASS (100%)

FAIL (0%)

COULD NOT TEST (0%)

N/A (0%)

Test run results:

Expand allShow: AllPassFailCNTN/A

> Add business day/time

> Case #1: add new business time

Pass

> Case #2: business day out of bound

Pass

> Case #3: invalid format for time

Pass

> Case #4: quit without saving business time

Pass

You have chosen option B: Add business time for the next month.
Please select business days in a week:
1.Monday 2.Tuesday 3.Wednesday 4.Thursday 5.Friday 6.Saturday 7.Sunday
1
Please enter business open time with 24-hour format (HH:mm):
12:33
Please enter business closing time with 24-hour format (HH:mm):
15:44
Please select one of the following options:
1 - Store the business time
2 - Quit without saving any information
1
[08.04.2017 05:59:51] DatabaseManager: New business time has been inserted into BusinessTime.
The information have been added to your actual business time.

=====

Welcome! 'System Testing Account'.

Please select one of the following options:
A - Add a new employee
B - Add business day/time for the next month
C - View the summaries of bookings
D - View new bookings
E - Show all workers' availability for the next 7 days
X - Logout
Enter your selection: b

You have chosen option B: Add business time for the next month.
Please select business days in a week:
1.Monday 2.Tuesday 3.Wednesday 4.Thursday 5.Friday 6.Saturday 7.Sunday
8
Invalid input!

You have chosen option B: Add business time for the next month.
Please select business days in a week:
1.Monday 2.Tuesday 3.Wednesday 4.Thursday 5.Friday 6.Saturday 7.Sunday
2
Please enter business open time with 24-hour format (HH:mm):
12
Please enter business closing time with 24-hour format (HH:mm):
15
Please select one of the following options:
1 - Store the business time
2 - Quit without saving any information
1
Invalid data/time format.

You have chosen option B: Add business time for the next month.
Please select business days in a week:
1.Monday 2.Tuesday 3.Wednesday 4.Thursday 5.Friday 6.Saturday 7.Sunday
4
Please enter business open time with 24-hour format (HH:mm):
12:2
Please enter business closing time with 24-hour format (HH:mm):
15:3
Please select one of the following options:
1 - Store the business time
2 - Quit without saving any information
2
Information wasn't stored, return to the business menu.

Test cases for view all bookings

"SEPT-Project1-Testing" test suite

allBookingsTest

Version number: Assignment Part 1

Started by: rmit-s3583185-r

Start date/time: 9 minutes ago

End date/time: 9 minutes ago

Export Test run

Detailed test run results:

1

0

0

0

PASS (100%)

FAIL (0%)

COULD NOT TEST (0%)

N/A (0%)

Test run results:

Expand all

Show: All | Pass | Fail | CNT | N/A

> View the summaries of bookings

> Case #1: all bookings printed to console

Pass

You have chosen option C - View the summaries of bookings

Summary of Booking information are shown as following:

=====

07.03.2017 11:00

[Bruce, Wayne, New York City, 0345 689 910]

=====

09.03.2017 15:00

[David, Beckham, London, 0123 456 789]

=====

08.04.2017 12:00

[Tom, Cruise, Melbourne, 0123 456 789]

=====

02.05.2017 15:00

[David, Beckham, London, 0123 456 789]

=====

03.05.2017 17:00

[Tom, Cruise, Melbourne, 0123 456 789]

=====

Test cases for view new bookings

"SEPT-Project1-Testing" test suite

newBookingTest

Version number: Assignment Part 1

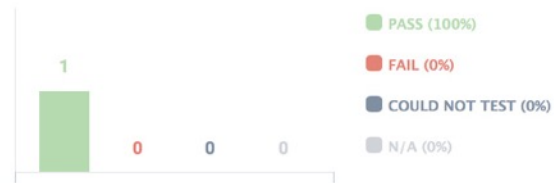
Started by: rmit-s3583185-r

Start date/time: 8 minutes ago

End date/time: 8 minutes ago

[Export Test run](#)

Detailed test run results:



Test run results:

[Expand all](#) Show: [All](#) | [Pass](#) | [Fail](#) | [CNT](#) | [N/A](#)

> View new bookings

> Case #1: only bookings after current date is printed

Pass

Please select one of the following options:

- A - Add a new employee
 - B - Add business day/time for the next month
 - C - View the summaries of bookings
 - D - View new bookings
 - E - Show all workers' availability for the next 7 days
 - X - Logout
- Enter your selection: **d**

The New Booking information as following:

=====

02.05.2017 15:00
[David, Beckham, London, 0123 456 789]

=====

03.05.2017 17:00
[Tom, Cruise, Melbourne, 0123 456 789]

=====

Test cases for view all workers' availability

"SEPT-Project1-Testing" test suite

workersAvailabilityTest

Version number: Assignment Part 1

Started by: rmit-s3583185-r

Start date/time: 7 minutes ago

End date/time: 7 minutes ago

Export Test run

Detailed test run results:

2

0

0

0

PASS (100%)

FAIL (0%)

COULD NOT TEST (0%)

N/A (0%)

Test run results:

Expand allShow: AllPassFailCNTN/A

> Show all workers' availability

> Case #1: there exists employee's details

Pass

> Case #2: no workers' availability information

Pass

Please select one of the following options:
A - Add a new employee
B - Add business day/time for the next month
C - View the summaries of bookings
D - View new bookings
E - Show all workers' availability for the next 7 days
X - Logout
Enter your selection: e

Your employees' working days and time are as following:
=====

Ran Lu

12380q.com

123 456

Working Days/Time:

Monday 9:00-13:00

Tuesday 9:00-13:00 and 13:00-17:00

=====

=====

Welcome! 'System Testing Account'.

Please select one of the following options:
A - Add a new employee
B - Add business day/time for the next month
C - View the summaries of bookings
D - View new bookings
E - Show all workers' availability for the next 7 days
X - Logout
Enter your selection: e

Your employees' working days and time are as following:
=====

Please select one of the following options:
A - Add a new employee
B - Add business day/time for the next month
C - View the summaries of bookings
D - View new bookings
E - Show all workers' availability for the next 7 days
X - Logout
Enter your selection:

Test cases for customers view available day/time

“SEPT-Project1-Testing” test suite

availableDay/TimeTest

Version number: Assignment Part 1

Started by: rmit-s3583185-r

Start date/time: 6 minutes ago

End date/time: 6 minutes ago

Export Test run

Detailed test run results:

2

0

0

0

PASS (100%)

FAIL (0%)

COULD NOT TEST (0%)

N/A (0%)

Test run results:

Expand allShow: AllPassFailCNTN/A

> View available days/time

> Case #1: there exists available days/time for "owner"Pass

> Case #2: no information about availabilityPass

=====

Welcome! 'Tom Cruise'.

Please select one of the following options:

A - View available days/time

X - Logout

Enter your selection: a

Available booking dates and time for 'owner' are:

business_date open_time closing_time

Monday 12:00 15:00

Wednesday 15:00 18:00

Please select one of the following options:

A - View available days/time

X - Logout

Enter your selection:

=====

Welcome! 'Tom Cruise'.

Please select one of the following options:

A - View available days/time

X - Logout

Enter your selection: a

Available booking dates and time for 'owner' are:

business_date open_time closing_time

Please select one of the following options:

A - View available days/time

X - Logout

Enter your selection: