

App Enhancements

(Document best viewed in Ms-Word with Navigation Pane enabled to jump through the sections topics)

1. Room Building & Location Enhancement Change

Application Previews

Room Add Page

```
C:\Windows\System32\cmd.exe - java -jar exportedRoomScheduler.jar
*****
ROOM SCHEDULER PAGE
*****
Today: 2018/03/29 01:03:33

ADD ROOM PAGE

Note: Maximum Allowed Room Capacity: 10

Room Name: Room303-B
Building Name: Library
Location: MaristPoughkeepsieMainCampus
Room capacity: 7

Room 'Room303-B' is added successfully!

Redirecting to Home Page Menu...
```

List

Rooms Information Page

```
C:\Windows\System32\cmd.exe - java -jar exportedRoomScheduler.jar
*****
ROOM SCHEDULER PAGE
*****
Today: 2018/03/29 01:03:17

ROOM INFORMATION PAGE

1 Room(s) available

1) Room303-B || Capacity: 7 || Building: Library || Location: MaristPoughkeepsieMainCampus

Redirecting to Home Page Menu...
```

Room Schedule Page

```
C:\Windows\System32\cmd.exe - java -jar exportedRoomScheduler.jar
*****
ROOM SCHEDULER PAGE
*****
Today: 2018/03/29 01:03:32

ROOM SCHEDULE PAGE

Note:
Refer Today's date time stamp at top left corner and schedule accordingly.
Input of Date should be in "YYYY-mm-dd" - (e-g): 2018-02-28
Input of Time should be in "HH:MM" - (e-g): 10:10 and is in 24 hours format
Start Date should not be before current date and should not be more than 30 days from now
Start and End Time should have minutes such that minutes are of round figures like HH:00 or HH:15 or HH:30 or HH:45
Start and End Time difference should be minimum of 15 minutes and maximum of 60 minutes

Room Name: Room303-B
Start Date (yyyy-mm-dd): 2018-03-30
Start Time (HH:MM): 03:00
End Time (HH:MM): 03:15
Subject: ShortMeeting

Successfully scheduled meeting!

Redirecting to Home Page Menu...
```

Scheduled Room Info Page

```
C:\Windows\System32\cmd.exe - java -jar exportedRoomScheduler.jar
*****
ROOM SCHEDULER PAGE
*****
Today: 2018/03/29 01:03:15

SCHEDULED ROOM INFORMATION PAGE

Note: Input exactly this word to list all room schedules: ALL_ROOMS

Room Name: Room303-B

1) 2018-03-30 | ShortMeeting: 03:00:00 - 03:15:00

Redirecting to Home Page Menu...
```

UNIT TESTING RESULTS

As of 29th March 2018. (Refer the Maven SureFire Report section below STATIC TOOL ANALYSIS in this document titled “Take 2: as of 29th March 2018” to view the test site output)

Maven Results

```
-----  
T E S T S  
-----  
  
Tests run: 13, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.608 sec  
  
Running test.java.RoomTest  
  
Tests run: 10, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.001 sec  
  
.....  
  
Results :  
  
Tests run: 23, Failures: 0, Errors: 0, Skipped: 0  
  
.....  
  
[INFO] -----  
[INFO] BUILD SUCCESS  
[INFO] -----  
[INFO] Total time: 27.485 s  
[INFO] Finished at: 2018-03-29T01:42:05-04:00  
[INFO] Final Memory: 40M/317M  
[INFO] -----
```

Maven SureFire Report

Take 2: as of 29th March 2018

Room Scheduler

Project Documentation

Project Reports

Checkstyle

Surefire Report

Built by

maven

Last Published: 2018-03-29 | Version: 0.0.1-SNAPSHOT

Room Scheduler

Surefire Report

Summary

[Summary] [Package List] [Test Cases]

Tests	Errors	Failures	Skipped	Success Rate	Time
23	0	0	0	100%	0.224

Note: failures are anticipated and checked for with assertions while errors are unanticipated.

Package List

[Summary] [Package List] [Test Cases]

Package	Tests	Errors	Failures	Skipped	Success Rate	Time
test.java	23	0	0	0	100%	0.224

Note: package statistics are not computed recursively, they only sum up all of its testsuites numbers.

test.java

	Class	Tests	Errors	Failures	Skipped	Success Rate	Time
🟢	RoomSchedulerTest	13	0	0	0	100%	0.224
🟢	RoomTest	10	0	0	0	100%	0

2. Revealing Rooms based on user's input date-time duration

Application Previews

Available Room Information – List Rooms Option

```
C:\Windows\System32\cmd.exe - java -jar exportedRoomScheduler.jar
*****
ROOM_SCHEDULER_PAGE
*****
Today: 2018/03/29 03:03:11

ROOM_INFORMATION_PAGE

3 Room(s) available

1) RoomA || Capacity: 5 || Building: Library || Location: MaristMainCampus
2) CodingRoom || Capacity: 2 || Building: Apartment || Location: Poughkeepsie
3) PartyRoom || Capacity: 10 || Building: FunPun || Location: DifferentWorld

Redirecting to Home Page Menu...
_
```

Scheduled Room Information Page – List Scheduled Room Option

- Note the CodingRoom here. It alone being scheduled. So, when the user inputs the same timing date range of this CodingRoom and requests to reveal all available rooms that does not conflict the given timing date range, the program should reveal all rooms except CodingRoom (refer next image)

```
C:\Windows\System32\cmd.exe - java -jar exportedRoomScheduler.jar
*****
ROOM SCHEDULER PAGE
*****
Today: 2018/03/29 03:03:04

SCHEDULED ROOM INFORMATION PAGE

Note: Input exactly this word to list all room schedules: ALL_ROOMS

Room Name: ALL_ROOMS

RoomA's Schedule:
No Meetings being scheduled for this room

CodingRoom's Schedule:
1) 2018-04-01 | CodingRoomScheduled: 04:00:00 - 04:30:00

PartyRoom's Schedule:
No Meetings being scheduled for this room

Redirecting to Home Page Menu...
```

Schedule Room Page – Schedule Room Option

- Note here that all rooms are revealed except CodingRoom ☹️ Program is working fine.

```
C:\Windows\System32\cmd.exe - java -jar exportedRoomScheduler.jar
*****
ROOM SCHEDULER PAGE
*****
Today: 2018/03/29 03:03:07

ROOM SCHEDULE PAGE

Do you wish to reveal all the available rooms based on your desired timings? Y/N: Y

Note:
Refer Today's date time stamp at top left corner and schedule accordingly.
Input of Date should be in "YYYY-mm-dd" - (e-g): 2018-02-28
Input of Time should be in "HH:MM" - (e-g): 10:10 and is in 24 hours format
Start Date should not be before current date and should not be more than 30 days from now
Start and End Time should have minutes such that minutes are of round figures like HH:00 or HH:15 or HH:30 or HH:45
Start and End Time difference should be minimum of 15 minutes and maximum of 60 minutes

Start Date (yyyy-mm-dd): 2018-04-01
Start Time (HH:MM): 04:00
End Time (HH:MM): 04:30
Subject: CodingRoomShouldNotBeShown

Room already booked in this date & timing range...
Room already booked in this timing range...
Try different time duration...

Available Rooms in the scheduled range you provided are listed below:
Sno      Room Name
1        RoomA
2        PartyRoom

Input the ROOM NAME to which the meeting to be scheduled: RoomA
Successfully scheduled meeting!

Redirecting to Home Page Menu...
_
```

Scheduled Room Information Page – List Scheduled Rooms Option

- Note that the room scheduling worked as intended. “ALL_ROOMS” reveals all the available rooms.

```
C:\Windows\System32\cmd.exe - java -jar exportedRoomScheduler.jar
*****
ROOM SCHEDULER PAGE
*****
Today: 2018/03/29 03:03:57

SCHEDULED ROOM INFORMATION PAGE

Note: Input exactly this word to list all room schedules: ALL_ROOMS

Room Name: ALL_ROOMS

RoomA's Schedule:
1) 2018-04-01 | CodingRoomShouldNotBeShown: 04:00:00 - 04:30:00

CodingRoom's Schedule:
1) 2018-04-01 | CodingRoomScheduled: 04:00:00 - 04:30:00

PartyRoom's Schedule:
No Meetings being scheduled for this room

Redirecting to Home Page Menu...
```

Project Link: <https://github.com/vivekVells/MSCS721-roomScheduler>

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On: March 29th 2018