Room Scheduler

Working Demo of the 'Room Scheduler' console driven application

Objective:

Allow users to create rooms and schedule a meeting using that room.

Features:

- Add a room with max accommodation capacity
- Remove and view the created room info
- Schedule room and view the scheduled room info
- Export room info so that it can be later imported (since this does not use db. to store values we use this one.
 GSON is used here)
- Import room info from recently exported room information (GSON is used here.)

Project Repo Location: https://github.com/vivekVells/MSCS721-roomScheduler
 Vivek Vellaiyappan Surulimuthu

File last updated: Feb 18th 2018

- Executing the program:
 - Type the followings (running the program in a particular path matters)
 - \$ **java -jar src/resources/files/roomExportedFiles/exportedRoomScheduler.jar** if you are in the created folder or move into all the way to roomExportedFiles folder and then try **java -jar exportedRoomScheduler.jar**

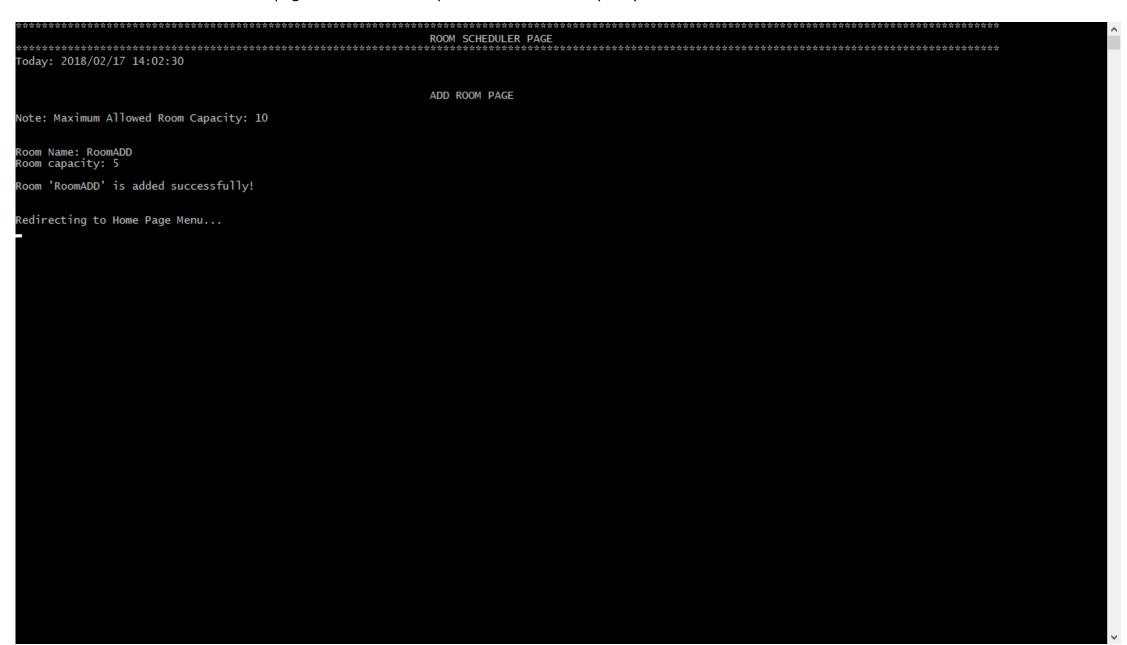
vek-Pc@kev MINGW64 /e/Marist/Semester2/SoftwareVerificationAndMaintenance/RoomScheduler (master) java -jar src/resources/files/roomExportedFiles/exportedRoomScheduler.jar	^
java -jar src/resources/IITes/roomexportedFiTes/exportedKoomscheduTer.jar	

Room Scheduler Home Page

ROOM SCHEDULER PAGE Today: 2018/02/17 14:02:13 Main Menu: 1 - Add a room 2 - Remove a room 2 - Remove a room
3 - List Rooms
4 - Schedule a room
5 - List Schedule
6 - Import Room Schedule
7 - Export Room Schedule
8 - Quit
Enter your selection:

Add Room Home Page

• Press 1 in Room scheduler home page menu and here input room name and capacity



View Added Room Information Page

• Press 3 in Room scheduler home page menu and here you may find info about the room

R	**************************************
RO	OOM INFORMATION PAGE
5 Room(s) available	
1) RoomADD Capacity: 5	
2) JackSparrow'sPrivateRoom Capacity: 8	
3) VivekVellaiyappan'sRoom Capacity: 10	
4) Iavsh'sPartyRoom Capacity: 9	
5) RemoveRoomDemo Capacity: 2	
Redirecting to Home Page Menu	

Room Removal Page

	ROOM SCHEDULER PAGE	· · · · · · · · · · · · · · · · · · ·
**************************************	**********************************	******
	ROOM REMOVAL PAGE	
	KOOM KEMOVAL PAGE	
Input Room to remove: RemoveRoomDemo		
Room removed successfully!		
Redirecting to Home Page Menu		

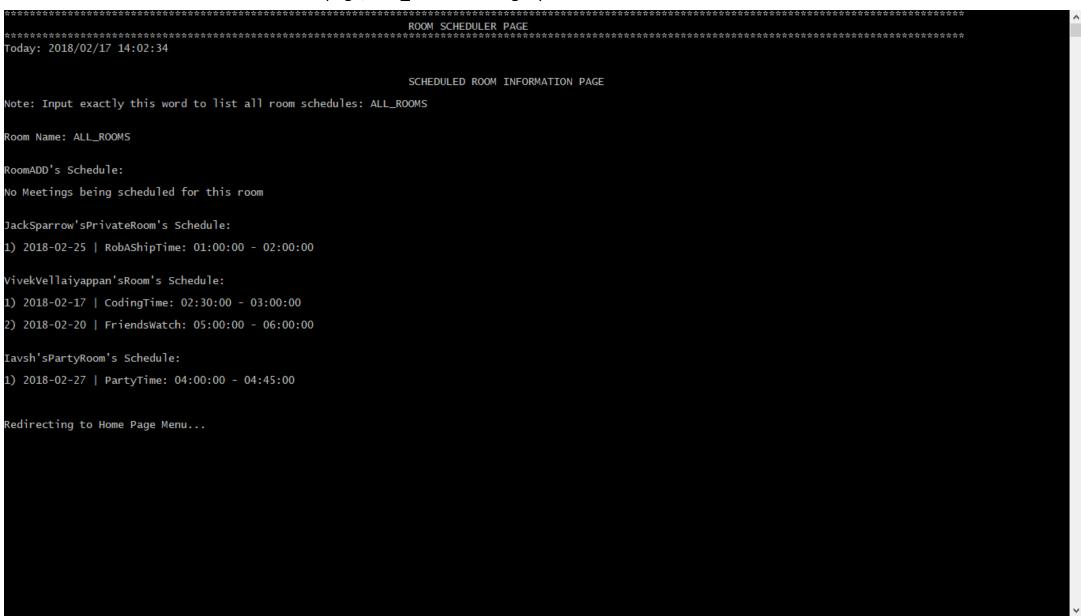
Schedule Room Page

Press 4 in Room scheduler home page menu and here input the room name to schedule it (case sensitive).

```
ROOM SCHEDULER PAGE
  Today: 2018/02/17 14:02:35
                                                                                     ROOM SCHEDULE PAGE
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: VivekVellaiyappan'sRoom
Start Date (yyyy-mm-dd): 2018-02-17
Start Time (HH:MM): 02:30
End Time (HH:MM): 03:00
Subject: CodingTime
Successfully scheduled meeting!
 Redirecting to Home Page Menu...
```

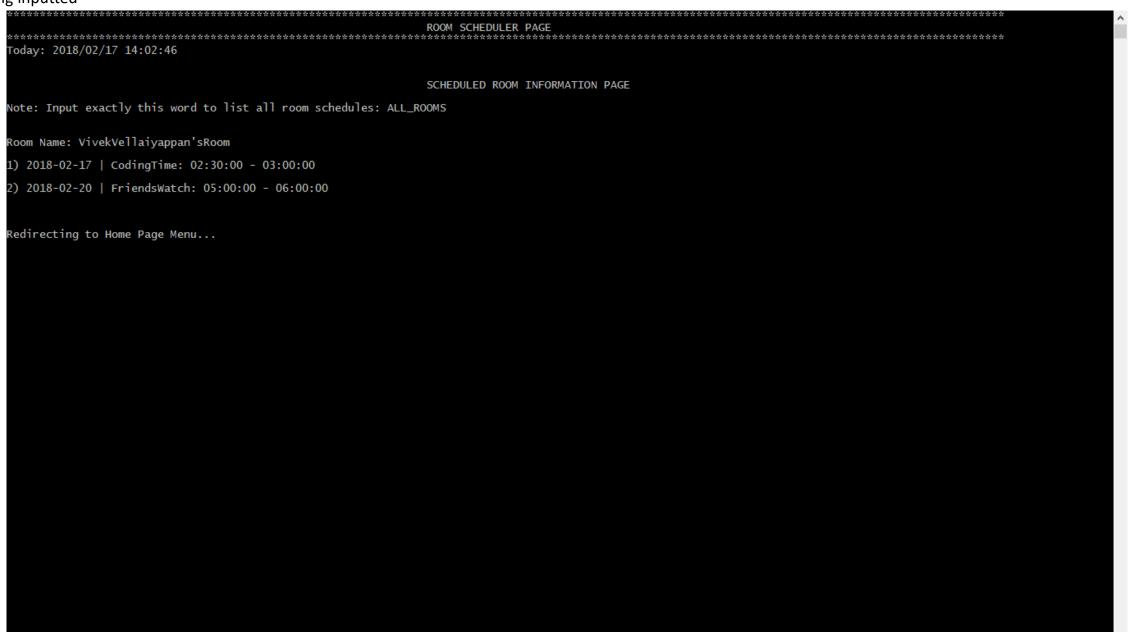
View Scheduled Room Information Page

• Press 5 in Room scheduler home page menu and here input the room name to view scheduled info about it (case sensitive) or 'ALL_ROOMS' to view all the available room's scheduled information. In this page, 'ALL_ROOMS' being inputted.



Scheduled Room Information Page

• Press 5 in Room scheduler home page menu and here input the desired room name to view scheduled info about it (case sensitive). Here, 'VivekVellaiyappan'sRoom' being inputted



Import and Export Feature Demo -> Export Room Home Page

After inputting all the desired info like rooms and their schedules, press 7 to export this to json file and use it later to import it.

```
Today: 2018/02/17 15:02:51
                                                                                                    EXPORT ROOM SCHEDULE PAGE
json: [{"name":"RoomADD","capacity":5,"meetings":[]},{"name":"JackSparrow\u0027sPrivateRoom","capacity":8,"meetings":[{"startDate":"2018-02-25","startTime":"01:00:00"," stopTime":"02:00:00","subject":"RobAShipTime"}]},{"name":"VivekVellaiyappan\u0027sRoom","capacity":10,"meetings":[{"startDate":"2018-02-17","startTime":"02:30:00","stopTime":"03:00:00","subject":"FriendsWatch"}]},{"name":"Iavsh\u0027sPartyRoom","capacity":9,"meetings":[{"startDate":"2018-02-27","startTime":"04:00:00","stopTime":"04:45:00","subject":"PartyTime"}]}]
File: allRooms.json was successfully exported.
Location: src\resources\files\roomExportedFiles\allRooms.json
Redirecting to Home Page Menu...
```

Import and Export Feature Demo

• Removed all the rooms available and then cross verified by listing all rooms

**************************************	**************************************
	ROOM INFORMATION PAGE
No rooms available as of now	
Redirecting to Home Page Menu	

Import and Export Feature Demo -> Import Room Home Page

After exporting the room info, now press 6 to import those recently exported files

```
Today: 2018/02/17 15:02:21
                                                                                           IMPORT ROOM SCHEDULE PAGE
"[{\"name\":\"RoomADD\",\"capacity\":5,\"meetings\":[]},{\"name\":\"JackSparrow\\u0027sPrivateRoom\",\"capacity\":8,\"meetings\":[{\"startDate\":\"2018-02-25\",\"startTime\":\"01:00:00\",\"stopTime\":\"02:00:00\",\"subject\":\"RobAShipTime\"}]},{\"name\":\"VivekVellaiyappan\\u0027sRoom\",\"capacity\":10,\"meetings\":[{\"startDate\":\"2018-02-17\",\"startTime\":\"02:30:00\",\"stopTime\":\"03:00:00\",\"subject\":\"CodingTime\"},{\"startDate\":\"2018-02-20\",\"startTime\":\"05:00:00\",\"stopTime\":\"06:00:00\",\"subject\":\"FriendsWatch\\"}]},{\"name\":\"04:00:00\",\"stopTime\":\"04:45:00\",\"subject\":\"PartyTime\"}]}]"
File Imported from: src\resources\files\roomExportedFiles\allRooms.json Imported Room(s) & their Schedule(s):
RoomADD's Schedule:
No Meetings being scheduled for this room
JackSparrow'sPrivateRoom's Schedule:
1) 2018-02-25 | RobAShipTime: 01:00:00 - 02:00:00
VivekVellaiyappan'sRoom's Schedule:
1) 2018-02-17 | CodingTime: 02:30:00 - 03:00:00
2) 2018-02-20 | FriendsWatch: 05:00:00 - 06:00:00
Iavsh'sPartyRoom's Schedule:
1) 2018-02-27 | PartyTime: 04:00:00 - 04:45:00
Redirecting to Home Page Menu...
```

Import and Export Feature Demo -> After importing the room, view the rooms information page

• After importing the room, press 3 to list the rooms and verify whether the rooms are imported properly

```
Today: 2018/02/17 15:02:34
                                       ROOM INFORMATION PAGE
4 Room(s) available
1) RoomADD || Capacity: 5
2) JackSparrow'sPrivateRoom || Capacity: 8
3) VivekVellaiyappan'sRoom || Capacity: 10
4) Iavsh'sPartyRoom || Capacity: 9
Redirecting to Home Page Menu...
```

Import and Export Feature Demo -> After importing the room, view all rooms scheduled information page

• After importing the room, press 5 and then 'ALL_ROOMS' to list all the rooms scheduled info and verify whether the rooms are imported properly

Today: 2018/02/17 15:02:39 SCHEDULED ROOM INFORMATION PAGE Note: Input exactly this word to list all room schedules: ALL_ROOMS Room Name: ALL_ROOMS RoomADD's Schedule: No Meetings being scheduled for this room JackSparrow'sPrivateRoom's Schedule: 1) 2018-02-25 | RobAShipTime: 01:00:00 - 02:00:00 VivekVellaiyappan'sRoom's Schedule: 1) 2018-02-17 | CodingTime: 02:30:00 - 03:00:00 2) 2018-02-20 | FriendsWatch: 05:00:00 - 06:00:00 Iavsh'sPartyRoom's Schedule: 1) 2018-02-27 | PartyTime: 04:00:00 - 04:45:00 Redirecting to Home Page Menu...

Quitting the program

• Press 8 to quit the program.



Thank you so much for viewing this working demo sheet.

Hope you got an idea of how this application works.

Highly appreciate if you could test this application and log any issues or enhancements

Regards,
Vivek Vellaiyappan Surulimuthu
https://github.com/vivekVells