

Docker Implementation

shortNotes:

- To run this docker image, have "roomscheduler.jar" (this file will be available in src/roomscheduler.jar) file in same folder containing "Dockerfile" and run the commadns accordingly
- Location: <https://github.com/vivekVells/MSCS721-roomScheduler/tree/master/docker-implementation>
- Heads-up:
 - Docker file will have no extension associated to it.: "Dockerfile"
 - The folder containing the docker file should be lower-cased: "docker-implementation"

Docker File Contents: **Dockerfile**

```
FROM java:8
COPY . /var/www/java
WORKDIR /var/www/java
CMD ["java", "-jar", "roomscheduler.jar"]
```

Docker Commands Used:

```
docker build -t docker-implementation:latest .
docker run -it docker-implementation:latest
```

Docker Log:

```
Vivek-Pc@kev MINGW64 /e/Marist/Semester2/SoftwareVerificationAndMaintenance/roomScheduler/docker-implementation (master)
$ docker build -t docker-implementation:latest .
Sending build context to Docker daemon 100MB
Step 1/4 : FROM java:8
----> d23bdf5b1b1b
Step 2/4 : COPY . /var/www/java
----> 635e0b0cab23
```

Step 3/4 : WORKDIR /var/www/java

Removing intermediate container c3330a775914

---> e8b9c0014965

Step 4/4 : CMD ["java", "-jar", "roomscheduler.jar"]

---> Running in c78022c93d98

Removing intermediate container c78022c93d98

---> fbc33913dbec

Successfully built fbc33913dbec

Successfully tagged docker-implementation:latest

SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x' permissions. It is recommended to double check and reset permissions for sensitive files and directories.

Vivek-Pc@kev MINGW64 /e/Marist/Semester2/SoftwareVerificationAndMaintenance/roomScheduler/docker-implementation (master)

\$ docker run -it docker-implementation:latest

ROOM SCHEDULER PAGE

Today: 2018/05/11 03:05:18

Main Menu:

- 1 - Add 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: 1

ROOM SCHEDULER PAGE

Today: 2018/05/11 03:05:25

ADD ROOM PAGE

Note: Maximum Allowed Room Capacity: 10

Room Name: RoomAddedViaDocker

Building Name: BuildingArg

Location: LocationArg

Room capacity: 10

Room 'RoomAddedViaDocke' is added successfully!

Redirecting to Home Page Menu...

ROOM SCHEDULER PAGE

Today: 2018/05/11 03:05:47

Main Menu:

- 1 - Add 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: 3

ROOM SCHEDULER PAGE

Today: 2018/05/11 03:05:55

ROOM INFORMATION PAGE

1 Room(s) available

1) RoomAddedViaDocke || Capacity: 10 || Building: BuildingArg || Location: LocationArg

Redirecting to Home Page Menu...

ROOM SCHEDULER PAGE

Today: 2018/05/11 03:05:58

Main Menu:

- 1 - Add 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: 8

Quitting the program...

[INFO] Quitting the program...

0 [main] INFO roomscheduler.RoomScheduler - Quitting the program...

Vivek-Pc@kev MINGW64 /e/Marist/Semester2/SoftwareVerificationAndMaintenance/roomScheduler/docker-implementation (master)

\$

Screenshot:

```
MINGW64/e/Marist/Semester2/SoftwareVerificationAndMaintenance/roomScheduler/docker-implementation
Vivek-Pc@kev MINGW64 /e/Marist/Semester2/SoftwareVerificationAndMaintenance/roomScheduler/docker-implementation (master)
$ docker build -t docker-implementation:latest .
Sending build context to Docker daemon 100MB
Step 1/4 : FROM java:8
----> d23bdf5b1b1b
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----> 635e0b0cab23
Step 3/4 : WORKDIR /var/www/java
Removing intermediate container c3330a775914
----> e8b9c0014965
Step 4/4 : CMD ["java", "-jar", "roomscheduler.jar"]
----> Running in c78022c93d98
Removing intermediate container c78022c93d98
----> fbc33913dbec
Successfully built fbc33913dbec
Successfully tagged docker-implementation:latest
SECURITY WARNING: You are building a Docker image from Windows against a non-Windows Docker host. All files and directories added to build context will have '-rwxr-xr-x'
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Vivek-Pc@kev MINGW64 /e/Marist/Semester2/SoftwareVerificationAndMaintenance/roomScheduler/docker-implementation (master)
$ docker run -it docker-implementation:latest
*****
ROOM SCHEDULER PAGE
*****
Today: 2018/05/11 03:05:18

Main Menu:
1 - Add a room
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Enter your selection: 1
*****
ROOM SCHEDULER PAGE
*****
Today: 2018/05/11 03:05:25

ADD ROOM PAGE

Note: Maximum Allowed Room Capacity: 10

Room Name: RoomAddedViaDocker
Building Name: BuildingArg
Location: LocationArg
```

MINGW64/e/Marist/Semester2/SoftwareVerificationAndMaintenance/roomScheduler/docker-implementation

Room Name: RoomAddedViaDocker
Building Name: BuildingArg
Location: LocationArg
Room capacity: 10

Room 'RoomAddedViaDocker' is added successfully!

Redirecting to Home Page Menu...

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Today: 2018/05/11 03:05:47

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Enter your selection: 3

ROOM SCHEDULER PAGE

Today: 2018/05/11 03:05:55

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Enter your selection: 8

Quitting the program...

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