How to Complie and Execute the MEAT (Group7)

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1. Introduction

This document can be used for how to compile and pack into executable jar file, and how to execute the MEAT system.

2. System Required (pre-installed)

- **JAVA Development Kit 8** (JDK 1.8)
- **Apache Maven 3.x** (Software project management tool)

3. Configuration

3.1 System configuration

javadoc	2016-11-17
lib	2016-11-17
resource	2016-11-18
src	2016-11-17
pom	2016-11-17
README	2016-11-18
sampleScript.json	2016-11-18

3.2 Directory

- **javadoc** : Java document for MEAT project source
- **lib** : External library folder for MEAT system
- **resource** : Contains local database file and external db file (json format)
- **src** : MEAT source files

3.3 File

- **pom.xml** : configuration file for maven automated building sources
- **sampleScript.json** : sample file for script running mode

4. How to Compile and Pack into Executable MEAT.Jar

Prompt >> *mvn install clean*

✦ *If build successfully, you can find the MEAT.jar in current directory.*

5. How to Execute the MEAT system

5.1 **Interactive** interface mode

Prompt >> *java -jar MEAT.jar*

5.2 **Script** commands run mode

Prompt >> *java -jar MEAT.jar filename.json*

5.3 **Load** external **database** mode

Prompt >> *java -jar MEAT.jar DBSYNC*

* Employees.json and rooms.json should exist in the resource directory with valid format.

5.4 Local **database init** mode

Prompt >> *java -jar MEAT.jar INITDB*