**System Requirements**

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| --- | --- | --- |
| **Requirement** | **Minimum** | **Recommended** |
| Java version | 1.4.0 | 5.0 or greater |
| Memory | 512 MB | 1 GB or more |
| Free disk space | 300 MB | 1 GB or more |
| Processor speed | 800 MHz | 1.5 GHz or faster |

**Software Requirements**

**Java JRE and JDK**

http://download.oracle.com/otn-pub/java/jdk/8u111-b14/jdk-8u111-windows-x64.exe

**Eclipse Mars**

http://www.eclipse.org/downloads/packages/eclipse-ide-java-ee-developers/mars2

**Apache Tomcat**

https://archive.apache.org/dist/tomcat/tomcat-7/v7.0.68/bin/apache-tomcat-7.0.68.exe

**MySQL Workbench**

http://dev.mysql.com/downloads/workbench/

**How To Run**

* Install the required software
* Unzip diagnosticsystem.rar
* Run Eclipse , click File -> Import -> Maven -> Existing Maven Project
* Select the unzipped folder to import the project
* Right click on the imported project and click -> Maven Build
* Add a Tomcat Server to project by selecting Server tab and following the instructions
* Right click on the project, and select Run As -> Run on Server
* Open a browser, and go to http://localhost:8080/diagnosticsystem/webapi/info
* If you see "A REST API for Diagnostic System!" as output, everything's fine
* The Data needs to be present in your database for getting symptoms
* For example, I've created 3 tables in database namely, chestsymptom , stomachsymptom and headsymptom.
* Each table should have at least 2 columns i.e., Symptom and Area
* Once the table is populated, visit http://localhost:8080/diagnosticsystem/webapi/symptoms/chest this displays a list of possible symptoms as
* [{"areas":"Lungs","name":"Cough"},

{"areas":"Chest, Abdomen","name":"Acute Pain"},{"areas":"Chest","name":"Rashes"},{"areas":"Chest","name":"Breathless"},{"areas":"Chest","name":"Allergy"},{"areas":"Chest","name":"Mild Pain"}]