**Documentation - Wellics Assignment**

* **System requirements**

All you need to build this project is java 7.0 or better and Maven 3.0 or better.

The build of the project produces a jar that can be run throw Command-Line.

* **Install Mongo Database**

You can find more details on the link below:

[*https://docs.mongodb.com/manual/tutorial/install-mongodb-on-windows/*](https://docs.mongodb.com/manual/tutorial/install-mongodb-on-windows/)

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| **I choose NoSQL , for the following reasons:**   * NoSQL is better for unstructured data like documents or JSON. * It’s more fast in comparison to SQL. * It’s more scalable in comparison to the SQL , so it can perform under an increased workload. * It can supports big amount of data , so in our case if we keep hourly environment measurements , the amount of data will be too big in a few years. |

* **How to run Mongodb**

1. Open Command-Line and type “cd ‘Mongodb bin source’ ”.



1. Then type ‘mongod’.

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| **Mongodb Application properties** |
| spring.data.mongodb.host=localhost  spring.data.mongodb.port=27017  spring.data.mongodb.database=WellicsDb |

* **Build the Project**

1. Open the Git Bash inside the project folder
2. Type this command to build the archive

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| mvn clean install |

* **How to run the Project**

1. Open Command-Line and type “ **‘JRE source’** –jar **‘ application jar file source ‘** ”

***Example:***

*"C:\Program Files\Java\jre1.8.0\_261\bin\java" -jar C:\Users\minas\Desktop\Wellics\Wellics.jar*

* **Important information for the project**

For the project I have chosen the following environmental variables:

* Light Levels
* Noise Levels
* Humidity Levels

And the 3 departments names are:

* departmentA
* departmentB
* departmentC
* **POSTMAN**

You will find attached ‘wellics.postman\_collection.json’ which includes 3 GET requests.