# **Development configuration report**



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# **Executive Summary**

This report talks about how the group configured their environments in order to start with the Acme Ans project. It will dissert about how we set up each component of the environment, including the database server, the IDE and the starter project.

# **Revision Table**

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| **Revision Number** | **Date** | **Description** |
| 1.0 | 20/02/2025 | Initial version – all sections added |

# **Introduction**

This report documents how we followed the provided guidelines to set up our projects, as well as how we solved the problems that showed up.

The report will be divided into sections: one for each of the components of the environment (Java, Firefox and the Gecko driver, MariaDB and DBeaver, Eclipse), another for repository the creation, and a final one for the conflicts we found and how we solved them. To finish off, this report will also include a conclusion.

# **Contents**

To start the configuration, every student downloaded the workspace from the EV platform. Then, we started following the guide.

## **Java**

To ensure the environment will use the right version of java, we modified our computer’s environment variables so they will point to the location of the jdk files stored in the workspace.

## **Firefox and the Gecko driver**

We installed the Firefox’s Developer’s Edition from the .exe installer included in the workspace and we added gecko driver to our computer’s path, so we can use the browser programmatically.

## **MariaDB and DBeaver**

In order to set up the database server, we launched the cmd script that was included in the workspace. Some of us had to kill processes that were already running in port 3306 for this to work properly. Once this was done, we opened up DBeaver and created the root connection to our new database server. This did not produce any issues, but for some of us, the creation of the user connection caused serious trouble, (more on this in the conflicts section below). Thankfully, this was not a problem for most of us, and we could simply create a new user connection and go on.

## **Eclipse, Lombock and plugins**

For this part, we only had to launch eclipse, install the plugins and configure the compiler and jdk version it needed to use. Then, we launched the installer for Lombok and followed the steps to get it going.

## **Repository creation**

Once one of us achieved to create a project from the starters, they uploaded it to git and the rest of us cloned it. Since this created a handful of problems, we will continue the explanation in the following section.

## **Conflicts**

As previously stated, we found trouble with the creation of the user connection in DBeaver and the cloning of the repository. The first problem consisted in the inability of creating a working user connection, since it will throw an “Access denied” exception no matter how many times we installed the database server. We solved it by creating a folder with all the configuration files of MariaDB once both connections were created, and replacing those files in the computers where we were unable to create the connections. The second problem was pretty unique for each member. In most cases it solved by clearing the workspace and modifying the .project file. In other cases, we needed to delete the project, clean the workspace and import it again.

# **Conclusion**

By following the provided guidelines, we were able to successfully configure our development environments and set up all necessary components for the project. While the process was mostly straightforward, we encountered several challenges, particularly with database connections and repository cloning, that required troubleshooting and collaboration to resolve.

Through problem-solving and knowledge-sharing, we found effective solutions that allowed us to move forward without compromising the integrity of our setups.

In the end, this experience not only provided us with a functional development environment but also strengthened our ability to diagnose and resolve technical issues as a team. The lessons learned throughout this process will be valuable for future projects, where similar configurations and problem-solving skills will undoubtedly be required.

# **Bibliography**

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