Development configuration report

* **Group Number**: C1.034
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**Table Of Contents**

[1. Executive Summary 3](#_Toc190968763)

[2. Revision Table 3](#_Toc190968764)

[3. Introduction 3](#_Toc190968765)

[4. Contents 3](#_Toc190968766)

[5. Conclusions 4](#_Toc190968767)

[6. Bibliography 4](#_Toc190968768)

# Executive Summary

Various issues arose while setting up the development environment and bringing the project into the workspace. These challenges, particularly during the import process, caused some delays. However, we successfully tackled each problem without major difficulties. As a result, there are no remaining blockers, allowing us to move forward and stay on track with our plan. A detailed report will outline the obstacles encountered throughout this process.

# Revision Table

|  |  |  |
| --- | --- | --- |
| **Revision Number** | **Date** | **Description** |
| 1.0 | February, Wednesday 19th 2025 | Initial version |
| 1.1 | February, Thursday 20th 2025 | Incorporated changes after feedback |
| 1.2 | [February, Thursday 20th 2025] | Final version |

# Introduction

This document will outline the steps we have taken to correctly set up the project and ensure it is ready for development. It will also detail the stages where we faced the most challenges, describing the difficulties encountered and the solutions implemented to successfully complete the configuration process.

# Contents

To set up the project, we first downloaded the virtual learning workspace, which provided a structured environment to follow the given guidelines.

This workspace includes all the essential tools for running the project. Key components of the infrastructure are Java 21.0.4, MariaDB 11.4.3, and Geckodriver 0.35.0. Additionally, it comes with Eclipse and DBeaver, along with various plugins and agents to facilitate development.

Once the workspace was installed, we proceeded with the following steps:

1. Configured system variables and installed Firefox.
2. Initialized the MariaDB database and properly set up DBeaver.
3. Configured Eclipse, installing the necessary plugins: CSVEdit, SonarLint, and Lombok.
4. Imported the Acme framework and the base project Hello-World.

At this stage, we encountered significant difficulties. Several team members experienced errors and warnings with no clear cause. After investigation, we traced the issue back to Maven. The solution was to run **Maven Clean → Maven Install → Maven Update**, which successfully resolved the problem.

Following the import, we renamed the project to Acme-AND-D01 and modified the pom.xml file, which led to further issues. These were eventually fixed by re-importing the project.

To finalize the setup, we uploaded the project to a GitHubrepository. During this process, we encountered unexpected errors, which we resolved by deleting the project and reinitializing it in the repository. Additionally, we faced issues with GitHub actions, particularly when performing pull and push operations. After executing these commands, some files were automatically modified. To prevent conflicts, we chose to discard the changes in these files.

# Conclusions

To conclude this document, we can confirm that the project setup was successfully completed, despite encountering more challenges than initially anticipated.

In the other hand, the difficulties faced were effectively resolved by the team, thanks to thorough problem analysis and strong communication among its members.

# Bibliography

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