18 DE FEBRERO DE 2024

SET UP REPORT

GROUP C-1.047

Acme SF, Inc.

Repository link: https://github.com/Cargarmar18/Acme-SF-D01.git

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1. Executive summary

The contents of this set up report present a description on how the set up of the development configuration on the carried project were done. For each crucial aspect of this set up, a concise explanation is provided.

2. Revision table

Revision number	Date	Description
1.0.0	18/02/2024	Document elaboration.

3. Introduction

The content of this document aims to conduct a comprehensive study of the set up of the development configuration carried out for the favourable implementation of the current project Acme-SF. By analysing and documenting it, it focuses on emphasizing the correct initialization of

the project, in such a way that achieves a stable and prosperous development environment for the success of the project itself.

The aspects have been divided into workspace and customization, tools, development and versioning and development configuration result, trying to delve into how the project is supported as clearly as possible.

The document is structured starting with a cover page containing relevant information about the document, such as its title, the project's repository, the group number, the author or authors' names with their corresponding corporate email addresses, and the date. The document proceeds with a table of contents, an executive summary, and an introduction before delving into its content. The set up report focuses on describing in detail how the team has set up the project's development configuration, without falling into redundant replication of the given guidelines. For each crucial aspect to be considered, a further detailed explanation regarding the key concepts to be taken into account will be given. Finally, the document ends with a conclusion summarizing the presented information and an appropriate bibliography. This structure, as described and used, is outlined in the "Annexes" document, provided by the University of Seville.

4. Contents

The following delineates, in segments, the features of the development environment in which the Acme-SF project will be executed.

4.1 Workspace and customization

Starting with the workspace, Acme-SF is situated in the "Projects" folder. Stemming from the starter project "Hello-World-24.1.0", found in the repository previously initialized by the manager of the team, Acme-SF has been customized according with the new project, providing a solid foundation for its subsequent implementation.

This customization, following the good practices for the task distribution system proposed by the University of Seville, has been carried out by the main developer of the team. In it, the necessary files have been changed, including, as an example, the contributors, the readme, or the pom.xml, and other files where it was necessary to change the company's name or information, in addition to being internationalised.

4.2 Tools

The project makes use of tools such as agents, Eclipse plug-ins, Integrated Development Environments (IDEs), and infrastructure. As an agent, Lombok is used to instrument the code classes of the project. Eclipse plug-ins, namely CSVEdit and Sonar's Lint, enrich Eclipse's functionalities by providing a CSV file editor and a static tester, respectively.

The Integrated Development Environment encompasses the aforementioned Eclipse, along with UMLet; providing a user-friendly interface for creating diagrams from plain text, VisualVM; allowing monitoring of the Java processes running on the Java Virtual Machine (JVM), and DBeaver; used to explore the MariaDB database server and to execute SQL scripts.

The project's infrastructure includes the Firefox browser with Gecko driver serving as a Java bridge, Java (virtual machine), the aforementioned MariaDB as the database server, and Olv, enabling the visualization of logs in a friendly manner.

All these tools have been integrated and/or installed following the procedures carefully indicated in the corresponding slides provided by the University of Seville. Due to their level of detail and explanation, these procedures have allowed the autonomous resolution of potential conflicts arising during the project's implementation.

4.3 Development and versioning

In the development, a version control system is being followed using the GitHub repository hosting tool, allowing for easy and convenient management of code storage, versioning, and conflict resolution.

It is important to highlight the project's necessity and dependence on the provided framework; Acme-Framework-24.1.0, which offers a foundational structure needing only to plug implementations for client requirements.

4.4 Development configuration result

It is emphasized that the previously mentioned guidelines for the set up of the development configuration provided by the University of Seville have been diligently adhered to. Consequently, the development team has successfully configured the development environment, poised for an efficient and collaborative work.

5. Conclusions

The execution of the development configuration set up has provided us with a stable and uniform development environment for all team members, thanks to the detailed guidelines mentioned earlier in this document. In this way, we ensure the project's stability with the versions of the tools used, and the additions made by team members to it, avoiding critical conflicts and issues in its development. Therefore, we can conclude that the project set up has been successful and is poised to function correctly.

6. Bibliography

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