Development Configuration Report

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# Introduction

In order to work on the project, we needed to set first the development configuration of the project, which consists of customizing key files so that the project’s backend, frontend and database work well together, and there is no problem when launching the project. We followed different steps to set the development configuration.

# Installing the tools

The first step was to install the tools that we are going to use to develop the project and customize some files and options inside these tools so that everything works fine.

## 2.2 The java platform

First, we configured the java platform so that its version and its environmental variables are the right ones. We had to change the environmental variables for the path and the Java\_Home, adding the right version of the jdk we are using.

## 2.3 Firefox and the Gecko driver

We installed the Firefox developer’s version and the Gecko driver to use it for testing purposes, customizing the path environmental variable again, so we have the right path of each of these tools when we use them.

## 2.4 Maria DB and DBeaver

To have a database with all the data of the project we needed to install Maria DB and set it up, so that we have a database server set on our computers, and then we created a connection with a new database in the database server we already have, creating at the same time the profile we are going to use to access and do operations in that database.

## 2.5 Eclipse, Lombok, and plug-ins

Finally, we needed to configure the IDE we are using, so we first installed the right version of eclipse, and configured it so that it works well, for example, changing the jdk so it’s the right version and changing the compiler to have the right version too. After that, we installed the necessary plug-ins in eclipse and Lombok, so it’s easier to work on the project.

# Instantiating the starter

In the third place, we started to prepare our specific project for this delivery following different steps.

First, we copied the starter “Hello-World” into our projects folder and changed its name to “Acme-ANS-D01”, which helped us to start working on the project having already a base of it and not starting it from zero.

Then, after changing some general configuration of the project as the pom.xml file, so that it matches the properties of our project, we imported the framework and our project to eclipse, so we could start working on it.

# Configuring the project

In this step, now that we have the project in eclipse, we had to change the configuration of the project by customizing some files of it, so the information of the project is the right one. The files we had to change are:

* CHANGELOG.txt -> Show the version of the project
* CONTRIBUTORS.txt -> Add the contributors of the project
* banner.txt -> Change the banner from “Hello World” to “Acme ANS”
* banner.png, logo.png, favicon.ico, favicon.png -> Change the image of the banner, logo and icon of the web to images related to the project
* Footer -> Edit the text of the footer of the web, both in Spanish and English
* Banner -> Customize the text of the banner of the web, both in Spanish and English
* Company -> Customize the information that appears on the web about the company, both in Spanish and English
* Title -> Change the title of the web, both in Spanish and English
* Welcome msg -> Edit the welcome message, both in Spanish and English

# Creating the database

When we have already configured the IDE with the project we are going to work on, we just needed to create the database of the project and populate it with the sample data we received. After doing this, we checked the database, so it worked fine and was populated.

# Testing the project

When finally, we launched the application to see if it worked well, testing the different sections of the web.

# Conclusion

The development configuration has different steps we had to follow to make the project work well with everything customized regarding the project.