

PCM WIKIPEDIA

PROJET DE DEVELOPPEMENT LOGICIEL

DOCUMENTATION

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INSTALLATION PROCESS AND IMPLEMENTATION OF THE PCM PROJECT

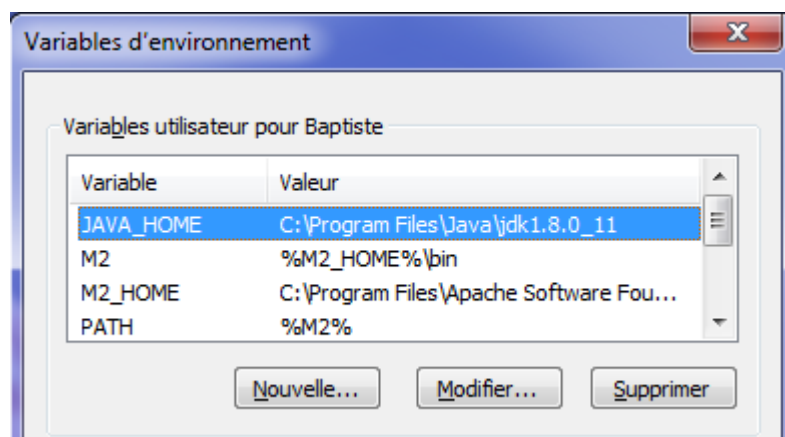
➤ **Tools and techniques used:**

- IntelliJ IDEA
- Github
- Maven

➤ **First step: Installation of Maven**

1. Download and extract the last version of Maven. Move it to the directory you wish to install Maven. For example: *C:\Program Files\Apache Software Foundation*.
2. Go to the "Environment Variable" in System Properties/Advanced and add the *M2_HOME* environment variable with the value of the path where you have installed Maven. For example : *C:\Program Files\Apache Software Foundation\apache-maven-3.2.3*
3. Then, add a new environment variable called *M2* with the value *%M2_HOME%\bin*
4. Make sure that the *JAVA_HOME* environment variable is present and contains the value of the path of your JDK. For example: *C:\Program Files\Java\jdk1.8.0_11*. If not, create it.
5. Update or Create the *PATH* environment variable with the value *%M2%*
6. Verify that Maven is well configured by opening your command terminal and enter *mvn -version*
7. To complete the installation, you must have git installed on your computer

Your environment variables should look like this:

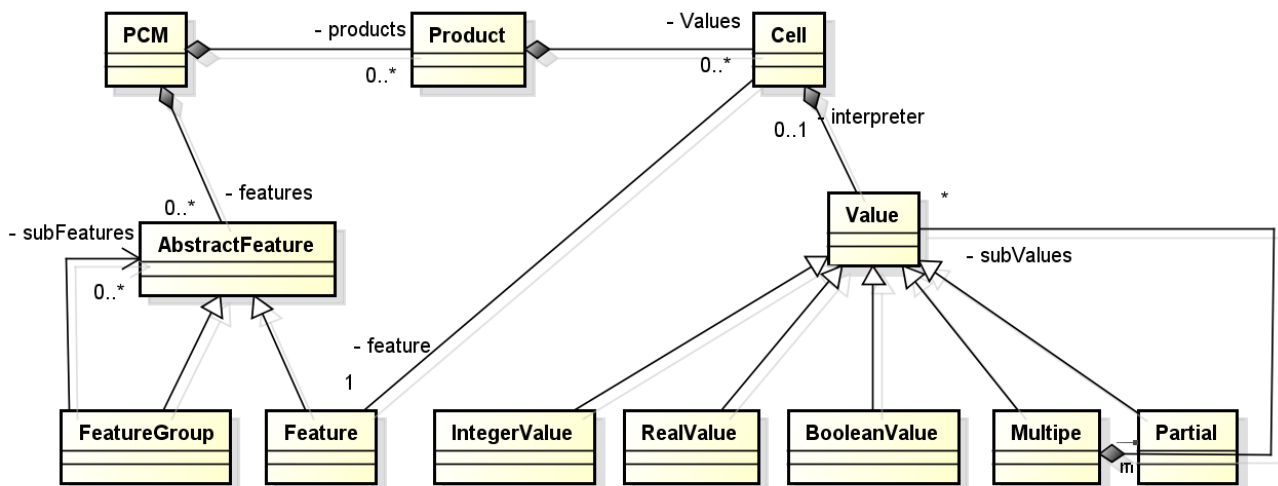


➤ **Second step: Implementation of the project**

1. Open your IntelliJ Idea
2. clone <https://github.com/gbecan/PCM.git>
3. clone <http://github.com/dukeboard/Kevoree-modeling-framework.git>
4. cd Kevoree-modeling-framework
5. git checkout a758cf07ded04e3dfc44b26bca7fcff8426d5495
6. mvn clean install
7. open your project PCM
8. mvn clean install – You’re going to have a build failure but it is a normal issue if the fail concerns the org.diverse.PCM.play-app.
9. If you want to install “play”, download it.

CONCEPTION

➤ **Class Diagram**



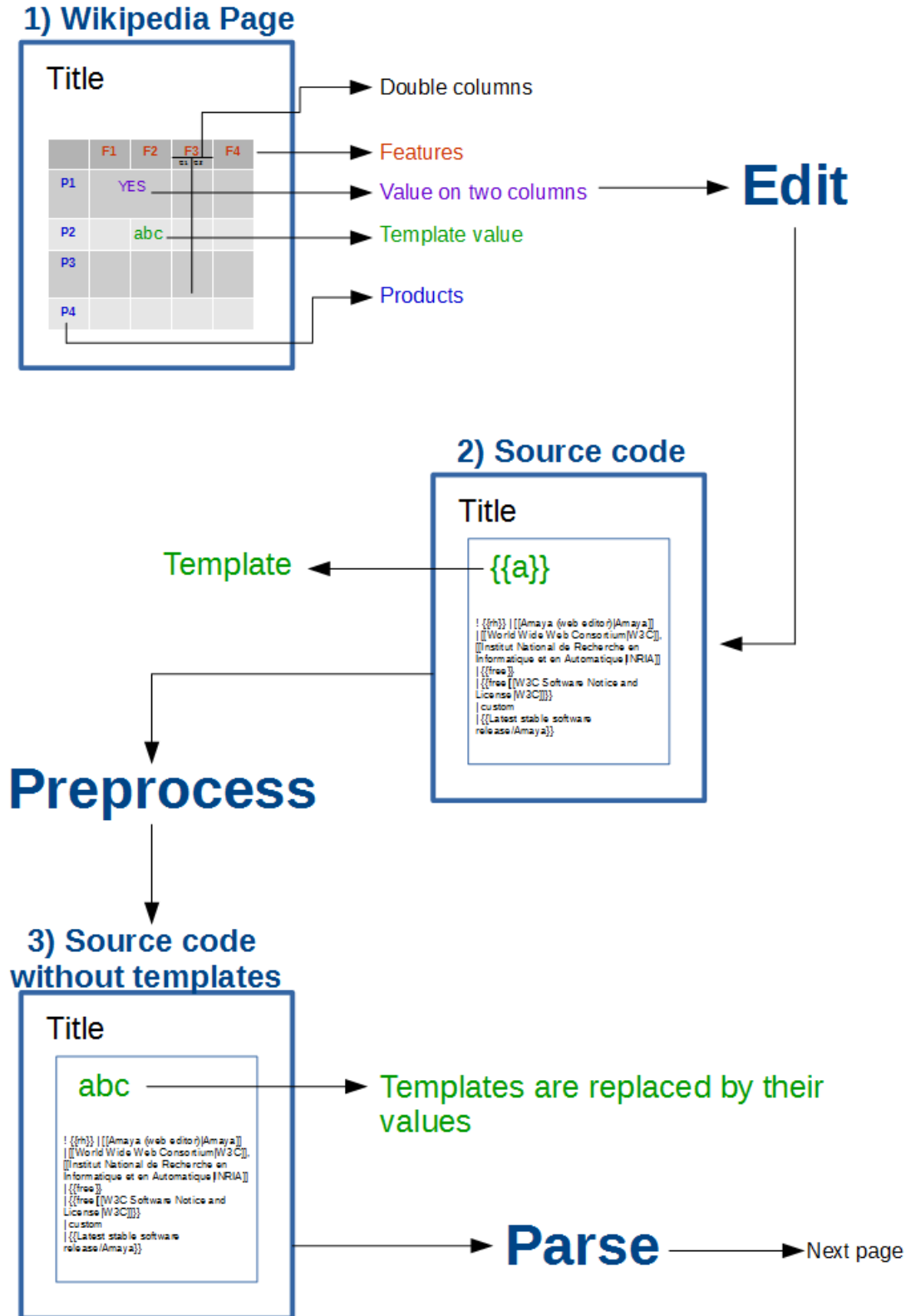
The second step is the preprocess function, it will parse the code to replace all of the templates by its real value.

The third step is the parse function, where the Product Comparison Matrice will be normalized.

That means every multiple column or multiple line will be divided in few simples.

To finish, we can export the new PCM in HTML, CSV or PCM.

The diagram below summarizes what we have just described.



4) Normalized PCM

