

Setup of the *Pro*CAKE Framework

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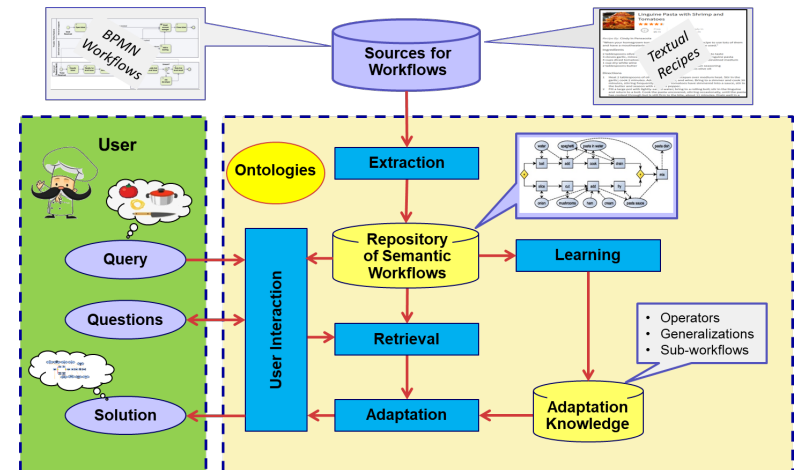
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<http://wi2.uni-trier.de/>



ProCAKE = Process-Oriented Case-Based Knowledge Engine

- Generic framework for the realization of experience-based learning systems
- In development since 2005 (predecessor CAKE)
- Semantic modeling of case data
- Case-based reasoning with configurable similarity measures
- Generic adaptation framework
- Access to various deep learning frameworks
- Freely available under open-source license (GPLv3)



Bergmann, R.; Grumbach, L.; Malburg, L.; and Zeyen, C. ProCAKE: A Process-Oriented Case-Based Reasoning Framework. In: Workshops of the International Conference on Case-Based Reasoning (ICCBR), volume 2567, of CEUR Workshop Proceedings, 2019.

Requirements

- Required for working with ProCAKE:
 - Java 17 (<https://openjdk.org/projects/jdk/17/>)
 - Git (<https://git-scm.com/>)
- We recommend the use of IntelliJ IDEA (<https://www.jetbrains.com/idea/>)
 - Community Edition is freely available
 - Support in the wiki during setup
- Setup instructions can be found at <https://procake.pages.gitlab.rlp.net/procake-wiki/setup/>

- ProCAKE framework: <https://gitlab.rlp.net/procake/procake-framework>
 - Source code
 - Generic domain-independent framework
- GUI project: <https://gitlab.rlp.net/wi2/procake/procake-gui/>
 - Provides graphical user interfaces for ProCAKE framework
- Application / demo project: <https://gitlab.rlp.net/procake/procake-demos>
 - Illustrates usage of the ProCAKE framework
 - Contains 4 sample domains
 - Extends ProCAKE framework and ProCAKE GUI project via Maven dependencies

Setup of Demo Project

- Check out the ProCAKE demo project from <https://gitlab.rlp.net/procake/procake-demos>
 - In IntelliJ IDEA select `VCS | Checkout from Version Control | Git`
 - Ensure, that project is imported as Maven project
- If desired, also check out ProCAKE framework project from <https://gitlab.rlp.net/procake/procake-framework>
 - Same procedure in IntelliJ IDEA
 - Add module via `Project Structure | Modules | Import Module`
- Enjoy working with ProCAKE!