

Bachelor's Thesis Assignment



148230

Institut: Department of Intelligent Systems (UITs)
Student: **Pindur Daniel**
Programme: Information Technology
Specialization: Information Technology
Title: **Unified Access to Requirements in JIRA**
Category: Web applications
Academic year: 2022/23

Assignment:

1. Study the tools for developing OSLC adapters (e.g., Eclipse Lyo) and the Requirements Management for Jira (R4J) app.
2. Study the OSLC Requirements Management (RM) specification.
3. Design an OSLC adapter providing RM-compliant information about requirements.
4. Implement the OSLC adapter to provide RM-compliant access to the requirements in the R4J app.
5. Demonstrate the functionality of the implemented adapter by accessing and editing requirements in one or more R4J projects through the adapter's OSLC interface.

Literature:

- OSLC: <https://open-services.net/>
- OSLC Requirements Management specification: <https://docs.oasis-open-projects.org/osl-op/rm/v2.1/os/requirements-management-spec.html>
- Eclipse Lyo: <https://www.eclipse.org/lyo/>
- R4J: <https://marketplace.atlassian.com/apps/1213064/r4j-requirements-management-for-jira>

Requirements for the semestral defence:
First three items of the assignment.

Detailed formal requirements can be found at <https://www.fit.vut.cz/study/theses/>

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