FACULTY
OF INFORMATION
TECHNOLOGY
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ASSIGNMENT OF BACHELOR'S THESIS

Title:	Android-based mobile client for LinkedPipes ETL
Student:	David Paleček
Supervisor:	RNDr. Jakub Klímek, Ph.D.
Study Programme:	Informatics
Study Branch:	Web and Software Engineering
Department:	Department of Software Engineering
Validity:	Until the end of summer semester 2020/21

Instructions

The student will get to know the Linked Data principles [1][3] and the RDF data model and serializations [2][4].
The student will study the architecture of the LinkedPipes ETL tool to get to know its API [5].
The student will design, implement, document and evaluate an Android-based mobile application serving as an alternative client to the current LinkedPipes ETL frontend.
The application will provide pipeline and execution management and notification capabilities for multiple LinkedPipes ETL instances.

References

[1] Christian Bizer, Anja Jentzsch. State of the LOD Cloud. http://www4.wiwiss.fu-berlin.de/lodcloud/state/
[2] W3C. RDF Primer. http://www.w3.org/TR/rdf-primer/
[3] Linked Data. http://linkeddata.org/
[4] SPARQL Query Language for RDF. W3C Recommendation 15 January 2008. http://www.w3.org/TR/rdf-sparql-query/
[5] LinkedPipes ETL, https://etl.linkedpipes.com

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