



Final project proposal

Type	Undergraduate /Master
Title	<i>Code execution visualization and web based debugging</i>
Supervisor	Prof. Dejan Gjorgjevikj
e-mail	dejan.gjorgjevikj@finki.ukim.mk
Department / Group	
Software Engineering	
Topic(s)	
Software engineering, Computer education, SaaS, Cloud computing	
Project can start from	01.04.2014 – 01.03.2015
Project duration	4 months
Short description	
The goal of the project is research and development of techniques for code execution visualization. Project should provide a review of current techniques with special attention on techniques that can be implemented independent of the programming language. Other aspect of the project is research in debugging using only web-based editor, proposal of technologies and architectural considerations and prototype implementation.	
Results and assessment	
Development and implementation of prototype for visualization of code execution and debugging using only web-based environment that will work on at least two different programming languages (C, Java). The results will be tested and evaluated in the settings of current web-based programming environment Code.	
Other (additional) information	