



**FACULTY  
OF INFORMATION  
TECHNOLOGY  
CTU IN PRAGUE**

## ASSIGNMENT OF MASTER'S THESIS

**Title:** Git-based Wiki System  
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**Study Programme:** Informatics  
**Study Branch:** Web and Software Engineering  
**Department:** Department of Software Engineering  
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### Instructions

The goal of this thesis is to create a wiki system suitable for community (software) projects, focused on technically oriented users. The system must meet the following requirements:

- All data is stored in a Git repository.
- System provides access control.
- System supports AsciiDoc and Markdown, it is extensible for other markup languages.
- Full-featured user access via Git and CLI is provided.
- System includes a web interface for wiki browsing and management. Its editor works with raw markup and offers syntax highlighting, live preview and interactive UI for selected elements (e.g. image insertion).

Proceed in the following manner:

1. Compare and analyse the most popular F/OSS wiki systems with regard to the given criteria.
2. Design the system, perform usability testing.
3. Implement the system in JavaScript. Source code must be reasonably documented and covered with automatic tests.
4. Create a user manual and deployment instructions.

### References

Will be provided by the supervisor.

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