

# Bachelor Thesis Assignment

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Study Programme: B2647 Information and Communication Technology

Study Branch: 2612R025 Computer Science and Technology

Title: **Development of Modern Web Applications**  
**Vývoj moderních webových aplikací**

The thesis language: English

## Description:

The aim of this thesis focused on nowadays platforms of web applications development. This thesis gives manual, how to select a proper technology framework and how to use it.

1. Analyze and describe nowadays web frameworks and connected technologies/tools.
2. Select one particular way of web app development and describe it in more detail.
3. Design case study of some application and describe development process including environment and related tools.
4. Implement designed application.
5. Evaluate selected framework and environment.

## References:

- [1] Jon Duckett: JavaScript and JQuery: Interactive Front-End Web Development, Wiley, 2014, ISBN: 978-1118531648
- [2] Sasha Vodnik: HTML5 and CSS3, Illustrated Complete, Course Technology, 2015, ISBN: 978-1305394049
- [3] Jason Beaird: The Principles of Beautiful Web Design, SitePoint, 2014, ISBN: 978-0992279448
- [4] Erirc Elliot: Programming JavaScript Applications: Robust Web Architecture with Node, HTML5, and Modern JS Libraries, O'Reilly Media, 2014, ISBN: 978-1491950296

Extent and terms of a thesis are specified in directions for its elaboration that are opened to the public on the web sites of the faculty.

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