Bachelor Thesis Assignment

Student: **Huy Tai Le**

Study Programme: B0613A140010 Computer Science

Title: Development of the Client Application for Task Managemet System

Vývoj klientské části systému správy úkolů

The thesis language: English

Description:

The objective of this thesis is to design and implement the client-side application of the Get Things Done system, focusing on the interaction between authors (managers) and solvers. The client will consume the REST API developed in the server part.

The thesis should include:
1. User authentication and session management.
2. Interface for authors to create, edit, and assign tasks to solvers stored in the database.
3. Task state management: authors can monitor progress, approve completed tasks, or reject them (which resets the task status to "started").
4. Interface for solvers to view assigned tasks, start them, and mark them as completed.
5. Implementation of notifications to solvers when a task is approved or rejected.
6. Emphasis on usability, responsive design, and clear task lifecycle visualization.

Expected Output: A working client application (web or desktop) for both authors and solvers, integrated with the REST API, tested with real scenarios, and accompanied by user documentation.

References:

[1] Laurence Lars Svekis, Maaike van Putten, Rob Percival: JavaScript from Beginner to Professional, 2021, Packt Publishing Ltd. ISBN 978-1-80056-252-3

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.

Supervisor: **prof. Ing. Ivo Vondrák, CSc.**

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