Laboratory Inventory Management Plugin for the Electronic Lab Notebook in TUM Workbench

Context:
TUM Workbench is a virtual research environment that provides modules for research data and project management, including an electronic lab notebook. More information on the Workbench as well as the source code can be found here:
https://www.ub.tum.de/workbench
https://eworkbench.github.io/

Implementation of new features is conducted by an external company on behalf of TUM University Library.

About the Project:
In collaboration with the Institute for Medical Microbiology, Immunology and Hygiene and TUM University Library, plugins are to be created that extend the features of the TUM Workbench electronic lab notebook to better meet the needs of lab scientists. This includes a laboratory inventory management system for tracking reagents and other consumables in the lab.

The Workbench is open source software and so should the plugins be.

Supervision will be supplied by the Institute for Medical Microbiology, Immunology and Hygiene and TUM University Library.

Your tasks:
• Setup and configuration of a database
• Development of a frontend as Workbench plugin. Workbench plugins use iframes and can be based e.g. on JavaScript.
• Documentation of the plugin to enable maintenance after the IDP.

We offer:
• Participation in an open source project.
• If desired, contribution to bi-weekly sprint plannings with the developing company.

Proposals for further IDPs in the context of TUM Workbench plugins for other disciplines are also welcome!

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