



ILIAS open source e-Learning e.V.

Geschäftsstelle

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Berrenrather Straße 177

D-50937 Köln

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E-Mail: verein@ilias.de

Web: www.ilias.de

Fax: +49 221 56 07 84 58

Call for Bids

Name of Project: ILIAS Development Tutorial
Deadline: 15 May 2025
Hand in bids to: Matthias Kunkel, ILIAS open source e-Learning e.V., verein@ilias.de
Latest date of delivery: 15 August 2025

Objective and Benchmark

We are seeking contributors to create markdown articles for a tutorial aimed at introducing newcomers to ILIAS development. The primary goal of this tutorial is to equip new members of the ILIAS community with the foundational knowledge needed to support bug fixing and independently resolve issues. Several articles have already been written by volunteer authors. However, we understand that potential contributors are often busy with their own projects, making voluntary contributions difficult. Therefore, we are offering compensation for the creation of these selected articles.

The tutorial is designed for individuals with no prior experience in ILIAS development. It provides a structured introduction, guiding them step by step through the initial phases of engagement. A predefined structure for the chapters has already been established with the support of the Technical Board, ensuring a logical progression through the content. The full list of planned topics and their sequence can be found in the attached planning list.

Reference

To ensure accessibility, the tutorial is hosted in the trunk-branch of our Git repository: [ILIAS Development Tutorial](#).

For reference, please review the article template, which defines the expected structure: [Tutorial Article Template](#).

Additionally, here are some of the articles that have already been written and can be used as examples:

- [02-tools/03-setup.md](#)
- [04-coding/04-ui-framework.md](#)
- [05-contributing/03-ui-component.md](#)

Haben Sie Fragen?
verein@ilias.de

Geschäftsführer:
Matthias Kunkel
VR 16017 / Amtsgericht Köln
USt-ID: DE 815 319 517

Vorstand:
1. Vorsitzender: Oliver Samoila
2. Vorsitzende: Yvonne Fischer
Schatzmeister: Thomas Schroeder

Bankverbindung:
IBAN: DE26 3705 0198 1902 5687 14
SWIFT-BIC: COLSDE33
Sparkasse KölnBonn

Content

Here is a summarized list of the planned topics for the tutorial. You can make a bid for one or multiple files. We do not expect to get all texts from one author. The full list of planned topics and their sequence can be found in the attached planning list (DevTutorial_Structure.pdf).

Chapter (Folder)	Topic (File)	Expected Content
/o2-tools	/o1-environment.md	Webserver environment / LAMP Stack (please also refer to doil)
	/o2-dependencies.md	Composer / Node
	/o4-toolstack.md	Toolstack: PHPStorm incl. Config / Git-Hooks / Unit-Tests
/o3-development	/o1-directories.md	Explain directory structure, also historically (incl. namespaces)
	/o2-versioning.md	Versioning / Release-Management
	/o3-endpoints.md	Important Endpoints: cron.php, setup.php, ilias.php, webservices.php
/o4-coding	/o1-components.md	Dependency Injection, Services vs. Modules
	/o2-control.md	Control Flow
	/o3-repository.md	Tree (ref_id) / IObject (obj_id)
	/o5-ui-inputs.md	UI-Framework (Focus on inputs, refinery)
	/o6-globalscreen.md	GlobalScreen
/o5-contributing	README.md	Overview and explanation of contributing options (Patch, Plugin, Core)
	/o1-bugfixes.md	Focus on rules/procedures regarding bugfixing in our community. Give info regarding branching and how to submit a PR for a bugfix.
	/o2-plugin.md	Which plugin interfaces does ILIAS offer and how do I develop a suitable plugin?
/o6-extending	/o1-xml-handling.md	Structure, XML-directory, Module-export, User-Import/Export
	/o2-webservices.md	SOAP, REST



Deliverables

- **Creation of Markdown Articles:** Authors will develop structured, beginner-friendly articles that follow the predefined sequence and structure.
- **Quality Assurance through Peer Review:** We recommend a "tandem principle," where one expert drafts the article and another individual performs a review to ensure clarity and quality.
- **Integration into the Existing Repository:** Articles will be added to the already established directory structure on the trunk-branch, which follows a numbered sequence to maintain order and readability.
- **Alignment with the Planning List:** Topics and order are predefined in a planning list developed with the support of the Technical Board. This list is attached to this Call for Bids.

Conditions

- Articles should be written in Markdown format and follow the provided tutorial article template for consistency.
- To ensure a logical flow, authors should follow the predefined sequence and numbering structure in Git.
- The planning list includes an overview of existing articles to help contributors avoid duplication.
- Editorial support is offered by the Technical Documentation department.

We invite interested contributors to submit their bids. For further details, please refer to the attached planning list and the Git repository structure.

In case of questions, please contact Ann-Christin Gruber: acgruber@ilias.de