Call for Bids

Name of Project:	Input Security, Refinery Interface
Deadline for Bids:	08.02.2019
Hand in Bids to:	Matthias Kunkel, ILIAS e.V., info@ilias.de

Dear All,

the Technical Board of the ILIAS society hereby calls for bids for the aforementioned project.

The Technical Board published an investigation on Input Security by PR https://github.com/ILIAS-eLearning/ILIAS/pull/1371. In this paper, we "show the current state of art of input processing in ILIAS and outlines a way to improve that processing by proposing changes regarding code as well as procedures". In the section "Improve Transformation and Validation" we propose to unify the two concepts "Transformation" and "Constraint" on a library level and propose "Refinery" as name for the new library.

This project has the main goal to propose an interface of this refinery as outlined in the above mentioned paper on Input Security, discuss the interface with the community and implement a first version of this library. Along with the interface we ask to also propose a set of processes and guidelines which describe how this library can be extended in future by various developers.

Details of the project are outlined on the next page. Please hand in your bids and a corresponding statement of work by email according to the information in the header.

Bids will be judged by the offered price and the details outlined in the statement of work. We are looking forward to your submissions.

Best regards,

Matthias Kunkel

on behalf of the Technical Board of the ILIAS society

Office:
Ebertplatz 14-16 · D-50668 Koeln
General Manager: Matthias Kunkel
VR 16017 / Amtsgericht Köln

Technical Board:
Timon Amstutz   Michael Jansen
Richard Klees   Alexander Killing

Contact:
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Project Details

Name of Project:	Input Security, Refinery Interface
Latest date of delivery:	15.03.2019 (PR for the Interface)
	03.05.2019 (Implementation of accepted Interface)
Goals and Benchmarks:	Have a PR to discuss which proposes a concrete interface for the refinery.
	Have an implementation of the refinery based on the discussed interface.
	Have at least the Alphanumeric and one additional Data type of your choice (please specify in your offer) being implemented as outlined in the paper (see bellow).
	Have a set of guidelines and process description that make transparent, how other can contribute to the library.
	Have a readme for the library along with examples, that make it easy to use and extend the refinery.
Deliverables:	PR for the Refinery Interface in the ./src including a readme with examples and a documentation of the processes and guidelines for contributing to this library.
	PR for the implementation of the accepted Refinery Interface.
General Conditions:	The library is expected to make use of the coordinator model (see: https://github.com/ILIAS-eLearning/ILIAS/blob/trunk/docs/documentation/maintenance-coordinator.md)
	If some aspect of the model needs to be changed to for this library to work well with it, we expect, that those changes are proposed along with the interface of the service.
	The contractor is expected to be one of the coordinators of this future service.

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The contractor may propose other developers to support her/him in the task of coordinating the new service.

The library must follow the rules set for the ./src folder (see: https://github.com/ILIAS-eLearning/ILIAS/tree/trunk/src) Or propose changes for those rules along with the interface.

The PR for the interface must include a readme and examples which explain the usage of the library and how to extend it.

Please indicate in the offer, which set of groups and structures proposed in the section "Improve Transformation and Validation" (e.g. kindlyTo, toNew, inParallel etc.) you intend to include in this first iteration of this library other than the Alphanumeric and the one additional Data type of your choice indicated above.

Please set at least two separate price tags, one for the interface and one for the implementation. This might be necessary to have some additional options concerning the billing.