

Call for Bids

Name of Project: Streamlining and Abandoning Legacy Services

Deadline for Bids: 31. March, 2020

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.

ILIAS currently ranks as 2. largest PHP-Project when it comes to the number of tokens used (see: <https://www.exakat.io/largest-php-applications-2018/>). Since developer resources are scarce and maintaining that much code comes with very high costs, we regard this fact as an issue when it comes to the quality of the software, which is one of the key concerns of the Technical Board (see: https://docu.ilias.de/goto_docu_grp_5089.html). Therefore, we aim to change that by reducing this number bit by bit. Further we try to simplify the learnability and readability of the code, by eliminating or moving components, which are not under maintenance or residing in folders or structures that we believe not to be necessary anymore. Bellow we listed a set of services that can either be moved and refactored or maybe even abandoned completely. Note that we do not want to get rid of any features on a user level at this point. Important if you are listed as maintainer of one of the listed services bellow, further note, that your offer for moving or abandoning the service will be considered before others. Also, if you are listed as maintainer and believe that no change on the component is necessary, let us know, we will ignore this component in this case.

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

Project Details

- Name of Project:** Streamlining and Abandoning Legacy Services
- Latest date of delivery:** 1. June, 2020
- Goals and Benchmarks:** The goal of this project is to reduce the complexity of the code of the ILIAS application by abandoning or refactoring and moving legacy services. The TB suspects the following candidates as being subjects, which might fall this category.

Services that we suspect might be moved and refactored:

- Services/Clipboard -> (Maybe move to Services/Mediaobjects)
- Services/History -> (Maybe move to Modules/LM / Modules/WebResource)
- Services/Javascript -> (Maybe move to respective components)
- Services/Multilingualism -> (Maybe move to Services/Object or Services/Language)
- Services/Preview -> (Maybe move to File)
- Services/Math -> (Maybe move to /src/Refinery)
- Services/Randomization -> (Maybe move to /src/Refinery)
- Services/Transformation -> (Maybe move to /src/Refinery)
- Services/Verificatio -> (Maybe move to Certificate)

Services that we suspect might be abandoned:

- Services/Dom
- Services/Environment
- Services/jQuery
- Services/JSON
- Services/XHTMLPage
- Services/XHTMLValidator
- Services/YUI

- Deliverables:**
- For **each** component you like to tackle provide:
 - A PR show-casing to work done including possible changes in components that consume the service.
 - A description in the above PR for other devs. concerning needed refactoring in components consuming this service if not included in the PR.

- General Conditions:**
- You may provide an offer on only a subset of the components listed above.

- You may include components not listed above. If you do so, briefly point out, why this component might also be worthwhile to be considered.
- You may indicate in your offer, if you believe that your offer should get higher priority than others (e.g. if you are maintainer or if other code of yours heavily relies on the service in question).
- Your offer needs to include the following key aspects for **each** component tackled:
 - The time and effort needed
 - A brief summary of what you intend to do with the component (abandon, move to X, refactor etc.)
 - A brief description of how you will manage clients that might consume the component (provide a PR fixing occurring issues, notify maintainers by giving some concept of how to adapt their component, nothing at all, etc.)
- All PRs will be discussed in a JF until the 1. of June 2020. In this respective JF your (virtual) presence will be required to answer possible questions. Further we expect you to be available for answering questions around the respective PR in GitHub.