Project Brief Data & Information

Kick-In / iDB - Document portal

The iDB builds the system used by the Kick-In Committee to organise the Kick-In. It exists since 2005 and was originally built to ease several procedures at and around the first day of the Kick-In. In 2004, lots of unnecessary time was spent and the organising committee of 2005 decided that this was to be fixed once and for all. The result of this effort is the iDB. Since the introduction in 2005, lots of things have changed and the functionality of the iDB was extended every year since. At the end 2012, development of the new iDB version was started, designed to completely replace the old version. Today, the iDB consists of a combination of web-applications and regular desktop applications. Many modules provide functionality like the applications for participants, payment, registration for do-groups and the planning of all activities.

The Case

Every year, a lot of associations help organise parts of the Kick-In. This ranges from study associations organising dogroups to smaller associations present at the various markets. All these associations get a load of documents from the organising committee, ranging from enrolment forms to codes of conduct. These documents, however, are often overlooked or lost by associations, which causes a lot of headaches for the organising committee.

As such, there has long been a desire to offer a central platform where associations can find all documents relevant to them. It should allow association contacts to easily search for a specific document, and to either download it or view it online. There should also be some form of access control to ensure only the right associations can view a given document.

Requirements

- The application should be usable on all screen-sizes (wide-screen, laptop, tablet, smartphone)
- The application should allow searching emails and attached documents.
- Users can be granted access to documents either individually, per activity or per organisation type.
- Searching the documents will require some database work. You can choose to either extend/modify our existing schema, or to start from scratch. We will provide you with an excerpt from our schema and some data to test with.

Optional extensions

If you have time left over, or want to take on a challenge, you can choose to implement one or more of the options below.

- The documents discussed above are all sent via email, so it would be helpful if the system can automatically pick up on emails that have been sent using the iDB. This can be done in various different ways, but we want to change as little as possible on our end.
- To authenticate users, the iDB has an OAuth2.0 server, integrating with this would allow us to deploy your code a lot easier.
- In the organisation of the Kick-In, quite some jargon is used. Think for example about aunts, uncles and extra dogroup parents, all of which are basically the same. It might prove worthwhile to match queries against these synonyms.

- Sometimes associations claim to not have received or seen documents. Access logging would help us refute such arguments.
- We're moving towards a docker-based deployment architecture, it would be tremendously helpful if you include a deployable image.
- Feel free to come up with your own ideas. If you think something might be beneficial to the Kick-In, the Kick-In Committee or the iDB itself, we'd love to see it.

Contact

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We're looking for new committee members! Do you want to make the Kick-In even more awesome? Send us an email.