

Survey

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In this project named Survey I led the team and also I was responsible for creating web interface of the application. Except that I made two Java classes for easier processing of the data. They are *Response.java* and *XMLmanagement.java*.

Leading

As a leader I created the repository for the source code, web page about the project, parts of the documentation and I was trying to coordinate work on the project.

For communication between members of the project, we were using web service Gitter. This we used for text messaging in a chat room about problems and ideas for the project.

Web interface

Web interface is used primarily for answering questions from users and storing responses from users. It was written in languages HTML, CSS, JavaScript and Java. For nicer output is used web framework Bootstrap.

After the user run the web interface, Survey loads list of available questionnaires on the page. User selects one of them and form with questions is rendered. There the user will fill answers in given questionnaire. Once the user fills in answers and submits them, the application sends responses to the server. There they are processed through the JSP scriptlet. Then they are saved on the server in *responses.xml* file.

Loading of the data is made via AJAX requests from the page to the server. For rendering is used HTML, CSS, JavaScript and Bootstrap. Every questionnaire with questions and answers is saved in *survey.xml* file. Processing of responses is handled on the server by Java and its JSP scriptlet.

Response.java

This class creates XML document for storing responses. Questions and answers are stored in a hash map and then from it is made a XML document with response.

XMLmanagement.java

This class is used for easier importing and exporting XML documents into files.