

Chapter - Jersey

In our project we built a REST-API for [stemmaweb](#) an online tool for textual scholars willing to explore their texts. For this REST-API we needed a simple and easy to use Java framework and chose Jersey.

Jersey is an open source framework for developing RESTful Web Services in Java that is built upon JAX-RS and serves as a JAX-RS Reference Implementation. It adds additional features and utilities in order to further simplify development of REST-APIs. It abstracts away low-level details of the client-server communication which made it more easy for us to concentrate on the actual implementation of the user stories. In our project it is deployed with GlassFish, a Java EE Application Server. Jersey can help support exposing the data in very different media types, including JSON, which we used very frequently.

Jersey uses Annotations which made it very easy to use for us.

Here as an example the method declaration of duplicateReading:

```
@POST
@Path("duplicatereading/fromtradition/{tradId}")
@Consumes(MediaType.APPLICATION_JSON)
@Produces(MediaType.APPLICATION_JSON)
public Response duplicateReading(DuplicateModel duplicateModel)
```

At the top the „POST“ annotation states the http method. Then the „Path“ annotation lets us set the url path with parameters in curly braces. Furthermore the method can „consume“ data, in this case JSON. The „DuplicateModel“ is passed with the call as a JSON object and then gets parsed in a POJO. Last but not least the method „produces“ a response, in this case also in JSON.