Roles

Last week, we introduced you to our project. Now that we had more time to discuss it in detail, in this weeks blog-post, we'd like to introduce you to the RUP Roles defined by IBM and our final decision on technologies.

RUP is short for Rational Unified Process and it basically defines, who is responsible for which part of the project. This doesn't necessarily mean that this person has to do all the work there, but he / she is in charge of making sure that everything concering this topic is done properly and in time. In the following table, you can see how we split up the roles in our project team. We also included the associated YouTrack role. If you want to find out more about RUP, you can follow the link under the table.

Discipline	Breadth Role	Depth Role	YouTrack Role	Team Member
Business Modeling	**Business Process Analyst**	**Business Designer**	Business Process Analyst	Henning Sextro
Requirements	**Systems Analyst**	**Requirements Specifier** (Backend)	Systems Analyst	Patrick Müller
Analysis and Design	**Software Architect**	**Designer**	Software Architect	Patrick Müller
Implementation	**Integrator**	**Implementer**	Integrator	Georg Reichert, Henning Sextro, Patrick Müller
Test	**Test Manager Test Analyst Test Designer**	**Test Designer Tester**	Test Manager	Georg Reichert, Henning Sextro, Patrick Müller
Deployment	**Deployment Manager**	**Tech Writer, Course Developer, Graphic Artist**	Deployment	Henning Sextro

Discipline	Breadth Role	Depth Role	YouTrack Role	Team Member
Project Management	**Project Manager**	**Project Manager**	Project Manager	Patrick Müller
Environment	**Process Engineer**	**Tool Specialist**	Process Engineer	Georg Reichert
Configuration and Change Management	**Configuration Manager Change Control Manager**	**Configuration Manager Change Control Manager**	Configuration Manager	Georg Reichert

[Explanation of the Roles](#)

Technology

We already mentioned the technologies we would like to use in last week's blog post, but now we made our final decision which is explained in the following paragraph:

- **Backend:** Node.JS
- **Frontend**: Angular
- **Database:** mariaDB
- **Server:** Debian GNU/Linux 10 vServer

Furthermore, we are going to use the following tools for development:

- **IDE:** IntelliJ IDEA Ultimate
- **Project Management:** JetBrains YouTrack
- **VCS:** Git with GitHub

We decided to use Angular and Node.JS as we don't have too much experience with both of these yet but are eager to lern new stuff. Also, they should work together quite well which makes life easier for us :D. For the database, we chose mariaDB as we already have a mariaDB server running and know this SQL-dialect. mariaDB is also very performant. Both the database server and our webapp are going to be run on one of our vServers which runs on Debian. No special thoughts behind this, we just already had this server and this way, it's convenient for us as we don't have to invest time in setting up a new service at Azure, AWS or Heroku.

As IDE, we settled for IntelliJ IDEA Ultimate as it, despite originally being a Java-IDE, also

has the capabilites to work with JavaScript / TypeScript. It also has some advantages over e.g. WebStorm as it supports basically every language and technology where webstorm is somewhat limited as it is intended as web-development only IDE.

We hope that we were able to give you a more detailed view on the technical aspects of our project and hope that we see you here again in next weeks post!

Have a great week,
The Betterzon team