Software Architecture Document

AMOS Group 5 - Portfolio Quick Check

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1 Runtime Components

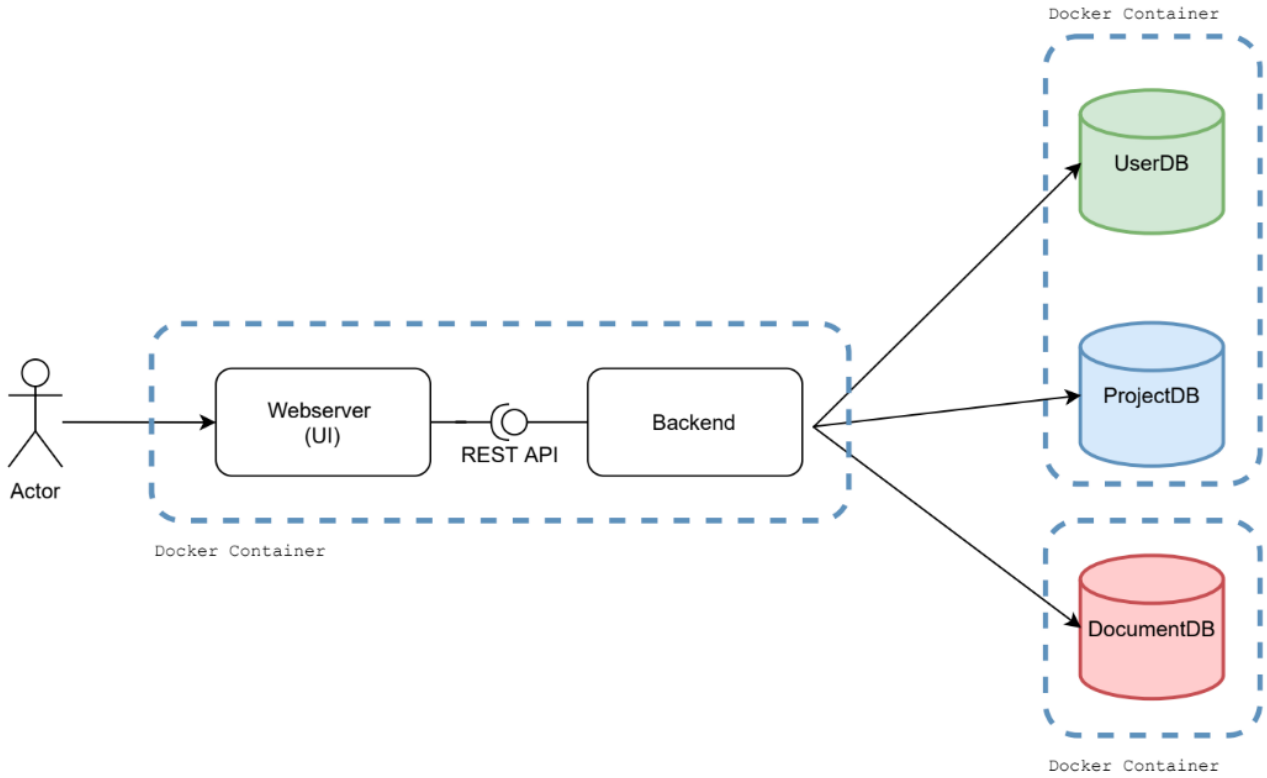

Figure 1: Architecture Model of Runtime Components

2 Code Components

This diagram shows the class structure of the part of our project which is independent from frameworks or similar things (like the different controllers required by Spring Boot for the REST API).
Each project has a name and a specific number of product areas . In the current version a project can have three different product areas kredit, payment, and customer. Since the number of product areas can increase it's shown as a one-to-many relationship. A project must have at least one product area.
A product area has a name and at least one product. A product can have variants and consists further of name and economic and complexity reviews. The complexity reviews are ordered by complexity drivers. A review consists of a title (a name or question), an answer, the score given by a user and an explanation for the score as well as a list of sources.

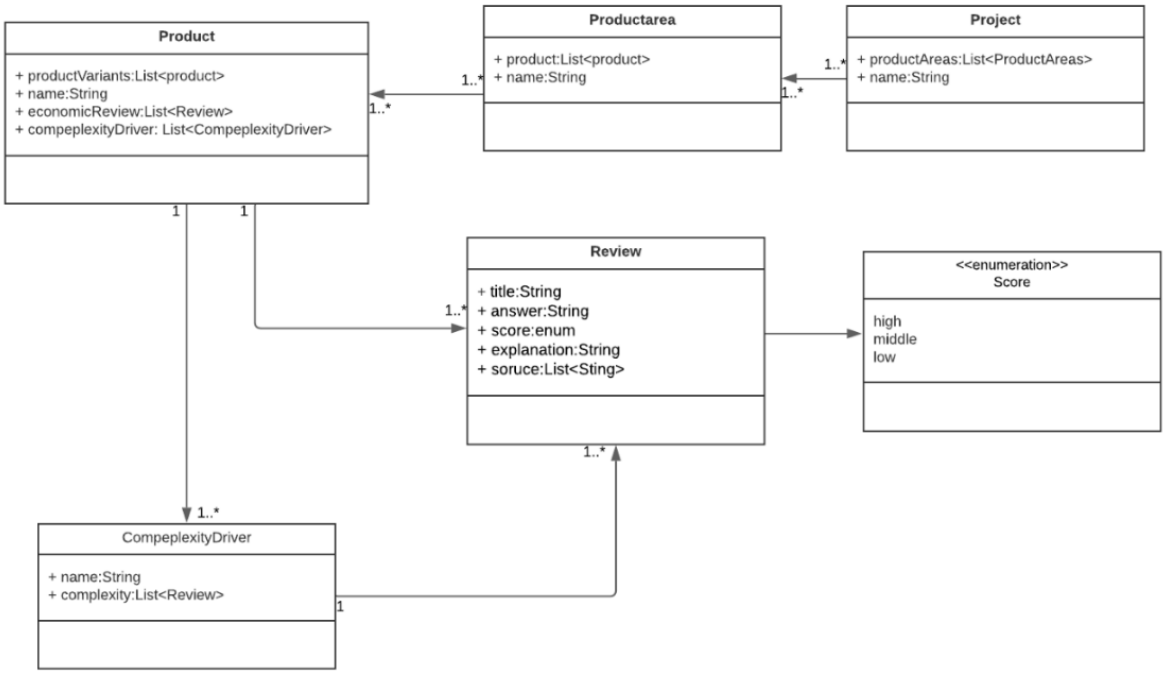

Figure 2: UML Diagram of Code Components

Area	Infrastructure		
Tech	**Summary**	**Version**	**License**
Github Actions	CI/CD Tool for running automated tests, building docker images and deployment.	-	-
Docker Engine	Docker engine is used to run applications in a container	v20.10	Apache License 2.0
Docker CLI	Tool to build containerized applications as docker images.	v20.10	Apache License 2.0
Area	Backend		
Tech	**Summary**	**Version**	**License**
Spring Boot	Used for REST API and microservice architecture	2.5.6	Apache License, Version 2.0
HyperSQL	Deployment of database applications	2.6.2	BSD License
Area	Frontend		
Tech	**Summary**	**Version**	**License**
React	UI Framework and handler for the view layer of web and mobile apps	17.0.1	MIT License

Figure 3: Tech Stack used in Portfolio Quick Check