

AMOS WS22

Project #04 specitem-database

Project name	SpecItem Database
Project mission	<p>Maintaining SpecItems is simplified by creating an online database with a browser-based frontend.</p> <p>The user is able to view the SpecItems in the browser.</p> <p>They can also search for specific SpecItems.</p> <p>Moreover, the user can change SpecItems in the web browser.</p> <p>So in other words the database (service) shall allow to:</p> <ul style="list-style-type: none">- import new revisions of SpecItems from input files- search and view SpecItem data in web-browser- compare revisions of a SpecItem- edit specific SpecItem metadata in web-browser- export SpecItem data to output files- trigger the actions above by REST API.
Industry partner	develop group
Team logo	

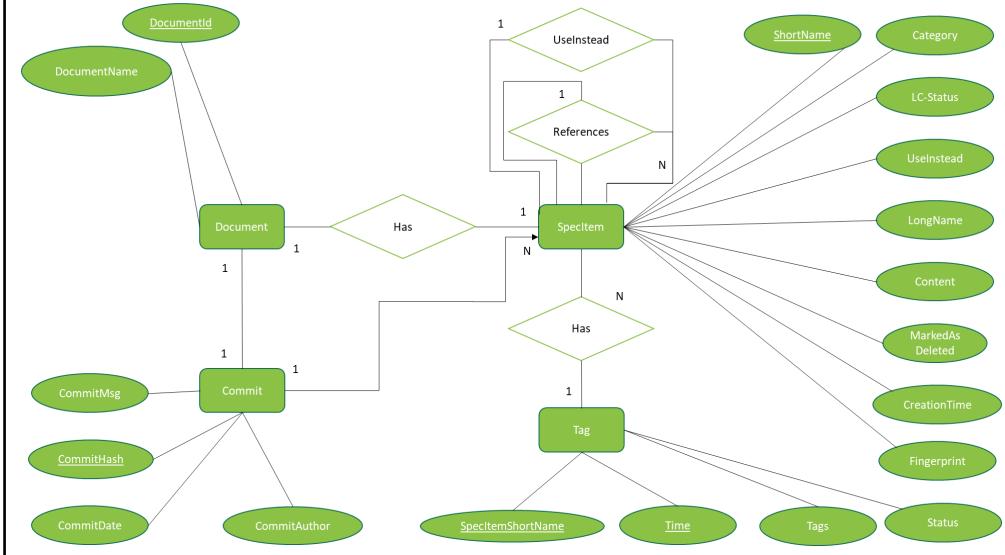
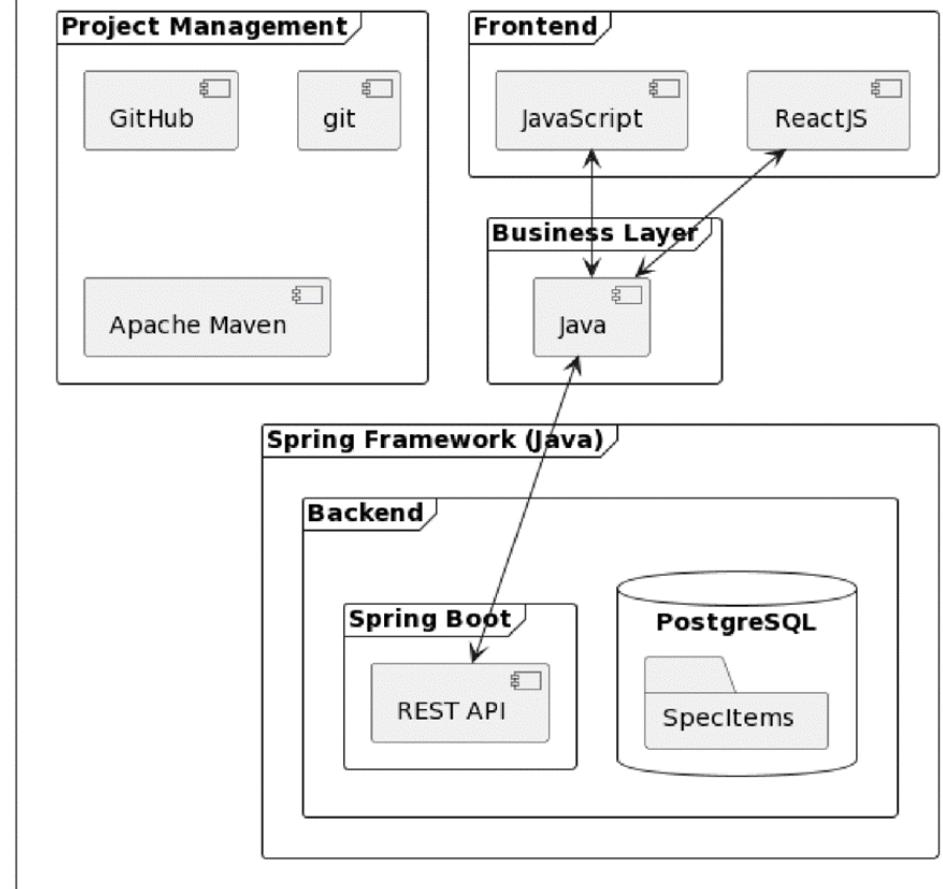
Project summary

The SpecItem-Database manages Specification Documents. They contain technical requirements for different automotive electronic control units. The goal of the software is to facilitate the maintenance of those documents. Therefore, we developed an interactive UI using ReactJS/ JavaScript and integrated a PostgreSQL database in the backend, which contains all the SpecItems.

In the browser-based frontend, the user is able to view, search, edit and delete SpecItems. One can import SpecItems / Documents and export SpecItems to files. Furthermore, the user can also compare versions of SpecItems. The functionalities mentioned above are implemented as HTTP-Requests that are sent to the backend. There they are handled and executed by the Spring Framework.

Project illustration

AMOS SpecItem Database



Team photo	
Project repository	https://github.com/amosproj/amos2022ws04-specitem-database
Additional information	