**Software design**

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# User stories

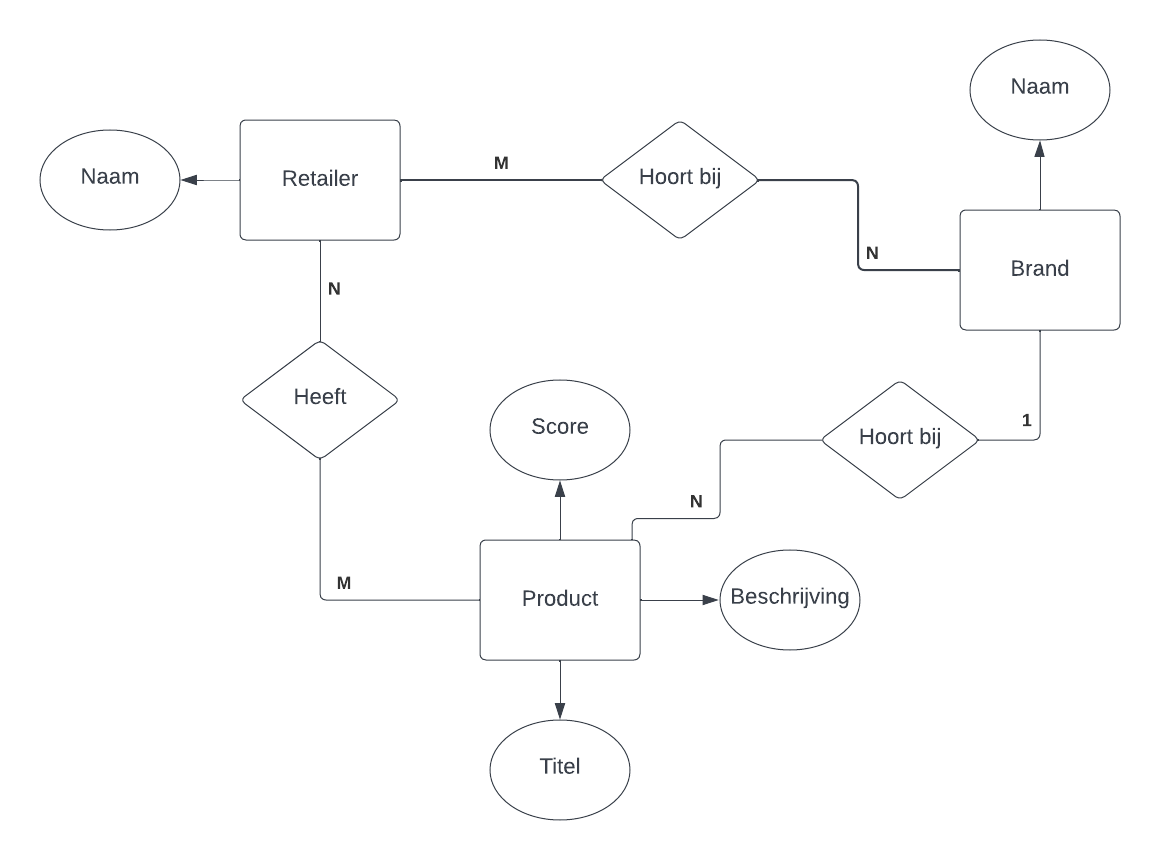
After an introductory talk, the group wrote down all the things we heard in user stories. We then extracted the functional and non-functional requirements from the user stories and put them into a document. We shared this file with the stakeholder who verified the requirements.

[Requirements on GitHub](https://github.com/WJJCN/Documentation/blob/main/Documentatie/Requirements.md)

# Concepts

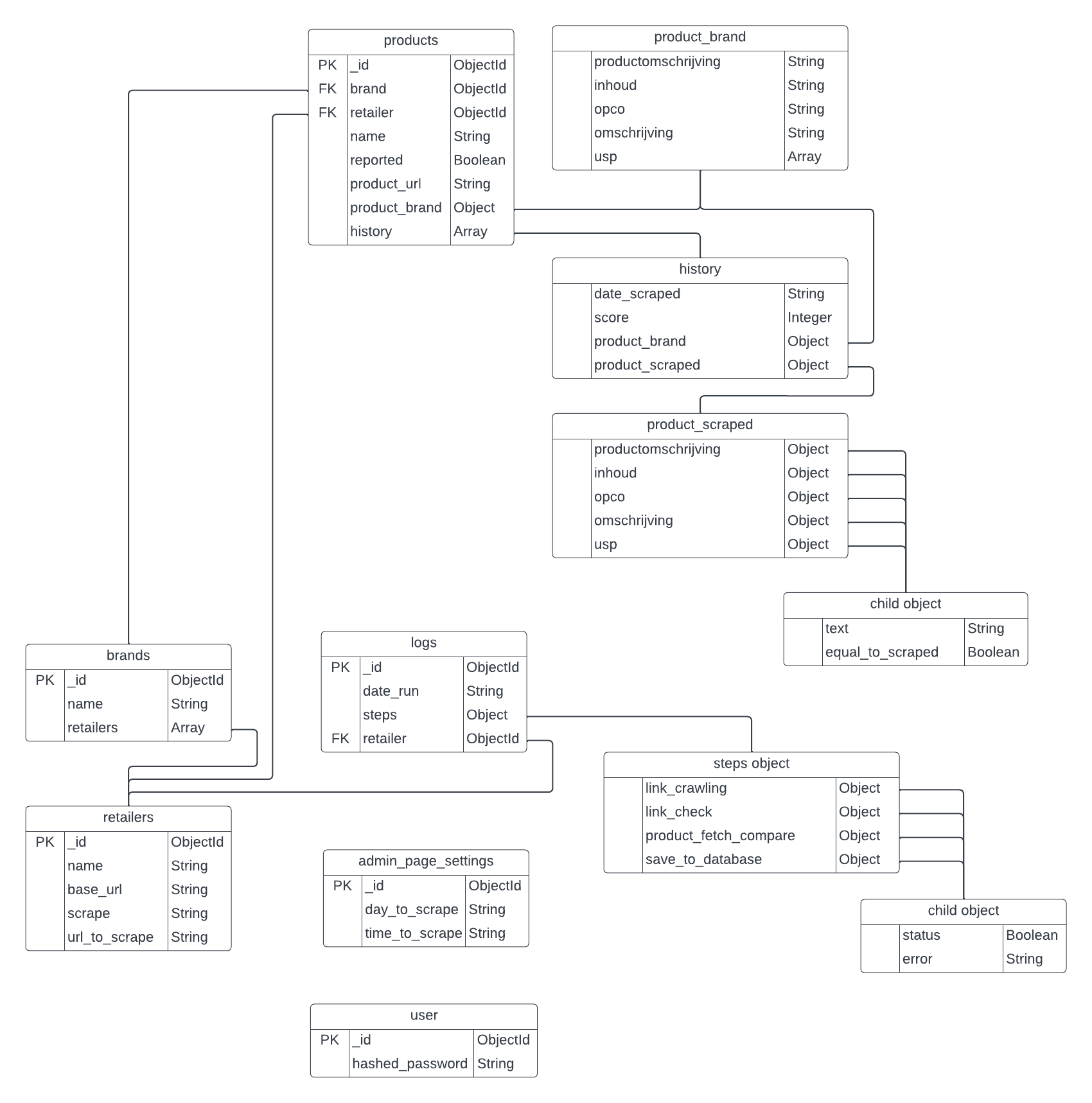
## Concept diagram

To have a clear thread for ourselves on how the particular classes should communicate with each other, we created a concept diagram. This also made it easier for us to base the application and ERD on.



## ERD

Because our data varies a lot in what the names and such are, we cannot use clear fixed tables. Therefore, we chose to use postgressql with no-sql for our database. In the image below, you can see the ERD containing the coarse tables with all the tables' communication with each other.



# Software architecture

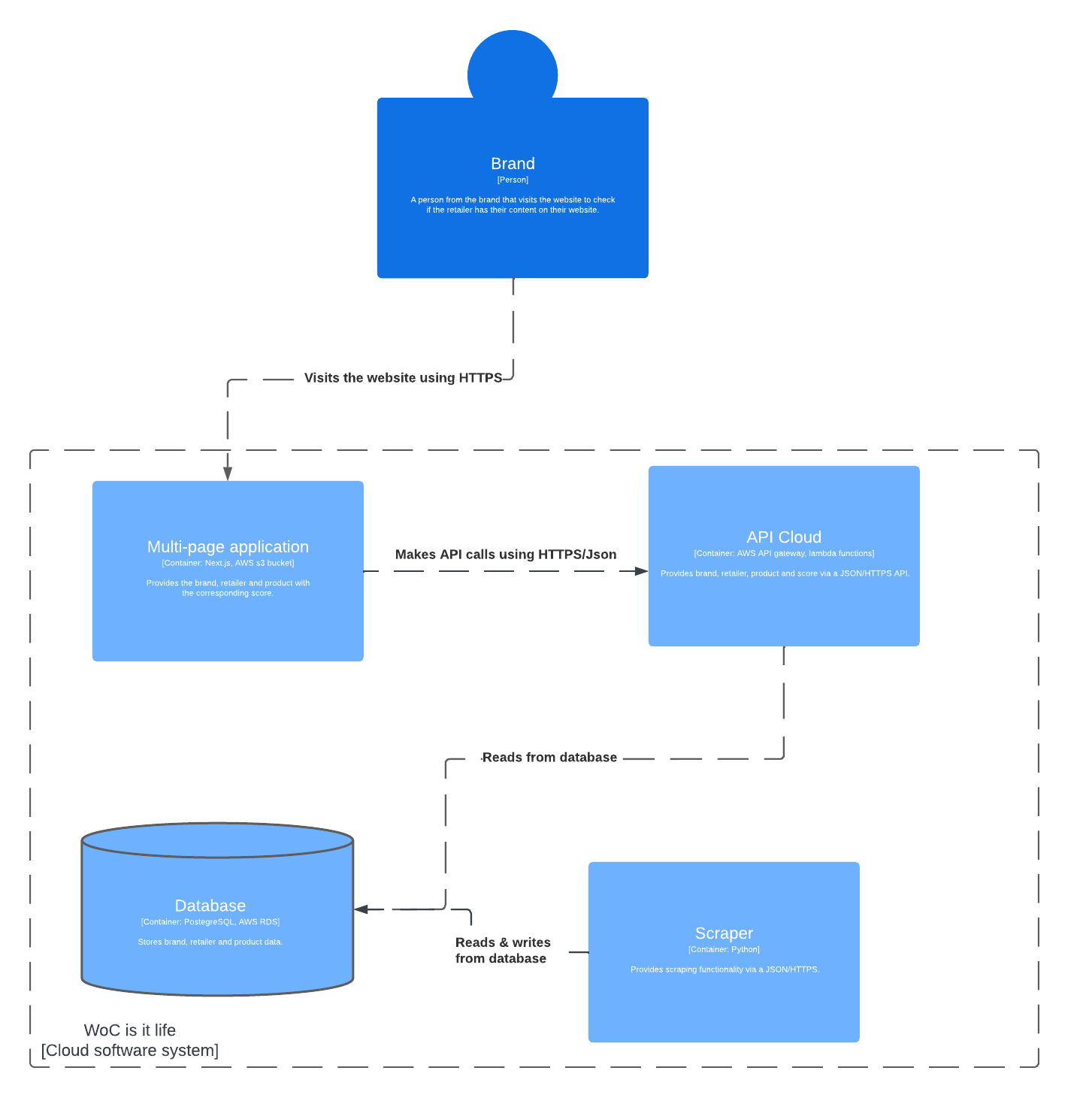
Figure 1 shows the structure of how users interact with the application over the internet. The same image also shows the communication within the application with the different components. Figure 2 on the next page shows how our architecture is structured on the AWS server. 

Figure 1

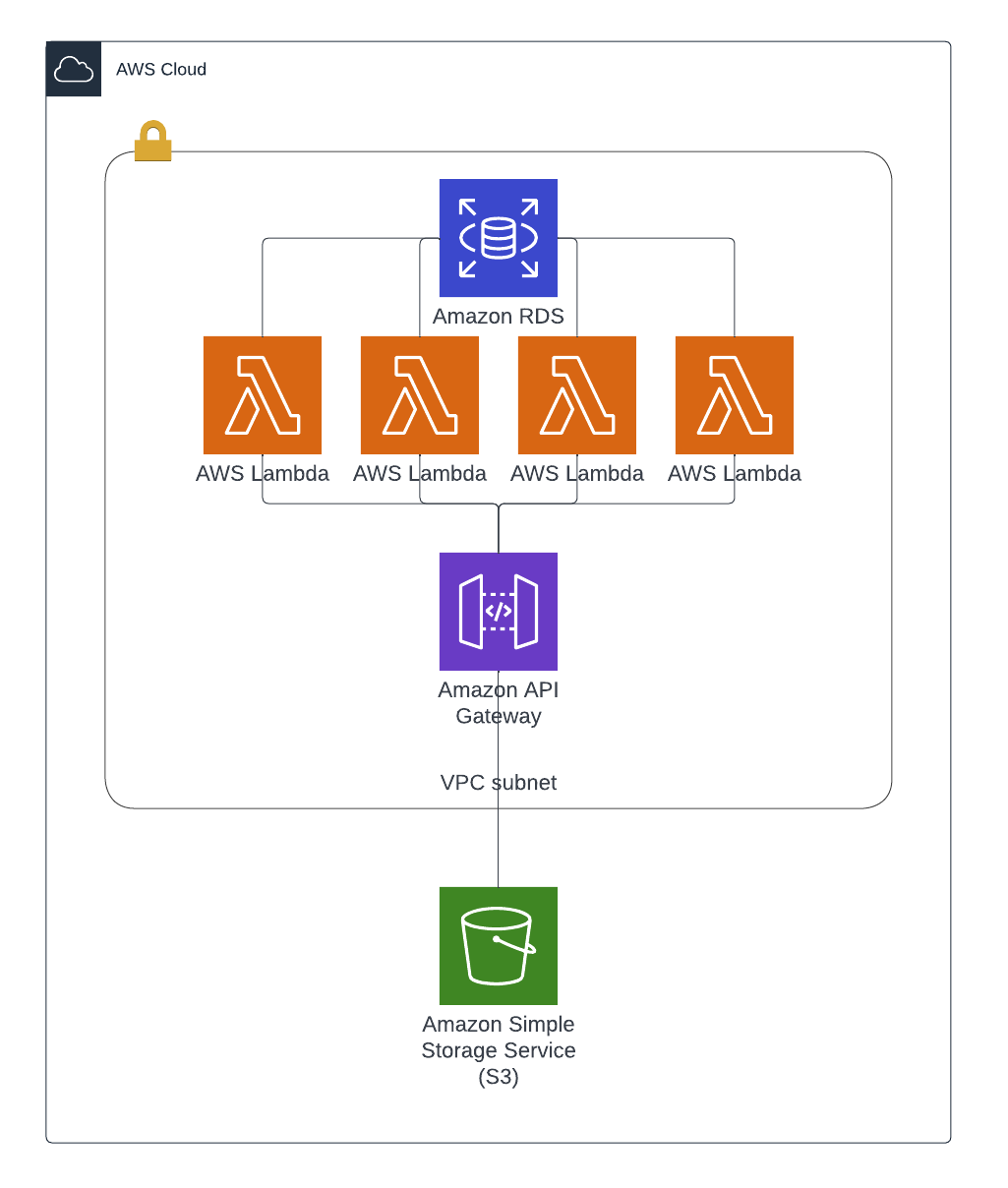


Figure 2