**AMOS WS21 Project 6**

**Explainable Similarity Detector**

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| Project name | Explainable Similarity Detector |
| Project mission | The mission of this project is to utilize the machine learning algorithm given by Siemens to find functionally similar electronic components. This is supposed to be given based on one or more Component and with the help of filters. However, functionalities that cannot be completed by the end of the project should be prepared for later implementation (as Mock-Up). |
| Industry partner | Siemens |
| Team logo |  |
| Project summary | In this project, in cooperation with our industrial partner Siemens, we  worked on a program for finding functionally similar and thus interchangeable components. Finding these similarities should be based on a machine learning model that although did not work as initially expected. However, all necessary interfaces are already implemented for later implementation. The program offers various comfort functions such as the easy creation of filters and the ability to directly compare component properties. |
| Project illustration |  |
| Project repository | https://github.com/amosproj/amos2021ws06-exp-similarity-detector |