This is the assessment for backend developers at adesso. Feel free to use any framework or tooling you like. Preferably use a code hosting platform such as GitHub and send us the URL or optionally send a zip-file with the source code.

**Assessment**

For one of our clients in the automotive industry you are asked to create a Java based back-end application to manage car manufacturers and their models. A car model has a base price and also has a set of optional features which each come at an extra cost. Make sure that the backend is connected to a database of your choice.

The backend is expected to provide at least following functionality as REST endpoints:

* Give an overview of all models for a specific manufacturer.
* Be able to add, remove or update a model.
* Provide the total price given a specific model and an optional set of features.

Note that it is not required to provide a front-end for the assessment.  
Sample data for all three entities is provided in separate csv files.

Make sure to include an explanation on how to run and build your solution, and provide initialization resources (e.g. scripts,...) as well.

**What we will be looking for**

* We don’t expect a fully production grade application, but will be looking for quality code and best practices.
* We want you to express your best design and coding skills.
* We prefer self-documenting code.
* If you are using a version control system, commits can help to show us how you tackle the problem and organize your solution. Commit as often as you like, the more the better.