

### **PHP Test: API Microservice for a Car Showroom**

**Please write a REST API** that covers functionality of the following scenario:

Car manufacturers are producing cars, whereas car models belong to different car classes B, C, E, etc. and customers can buy cars from different brands.

**Present the following as a domain model.**

A multi-brand car showroom sells different car brands and models, which are in stock. A customer can sell his car to trade in for a new one.

**Please cover the API with necessary endpoints** which will allow the following:

Customer comes into Showroom

- sells his car with trade in
- fetches models available for sale per brand defined
- pays the difference and buys a new car

Show room manager

- Removes client and client shopping activity

**Present the API history call that does the above. Cover some models with unit tests.**

Code implementation requirements: SQL lite, PHP 7.3 and above, any convenient framework (Symfony preferred).

**Publish project to Git and share the link with us.**