

Task Description

It's required to create a simple REST API for the catalog of products. The application should contain:

- Product categories
- Products which belong to some category (one product may belong to several categories)
- Users, who can authorize

The following actions should be implemented:

- Getting the list of all categories
- Getting the list of products of the concrete category
- Users authorization
- Create/update/delete of category for authorized users only
- Create/update/delete of product for authorized users only

Technical requirements

1. The application should be written in one of the strictly typed languages (Golang, Java)
2. Response results should support JSON and XML encoding
3. The assignment results should be published on github including a short ReadMe about how to deploy the application

Evaluation criterias

- Architectural organization of API
 - Code readability
 - Error handling
 - Unit tests coverage
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