

Backend engineer trial

Before you begin

Estimated time for the task is 3 hours. You don't need to perform any specific configuration for your machine, SQLite database will be provided.

Technical requirements:

- Language: C#
- Framework: ASP.NET Core
- Utilize REST principles for API endpoints

Initial API application will be provided.

Statement

Extend the initial API application with the following functionality:

- Add endpoint to be able to get a product
- Add endpoint to be able to create a product
- Add endpoint to be able to delete a product
- Add endpoint to be able to update a product

Create and update endpoints should have the following validation:

- Product fields should have basic validation (required, type, min/max length) according to the existing database structure.
- A product can have from 1 to 5 categories.
- If a product has an expiration date it should expire not less than 30 days since now.
- If a product rating is greater than 8 it should automatically become "featured" product.

Optional

This part is not required but would be considered an advantage:

- The solution should have unit tests
- Test coverage of the solution should be at least 80%