

# TP05

## Spring Thymeleaf (Template Engines)

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### Remark

- Spring boot: Spring project generator
- Java Template Engine: allows web designers and developers to work with web templates to automatically generate custom web pages, such as the results from a search. This reuses static web page elements while defining dynamic elements based on web request parameters. Web templates support static content, providing basic structure and appearance. Developers can implement templates from content management systems, web application frameworks, and HTML editors.
- Thymeleaf: a modern server-side Java template engine for both web and standalone environments.

### TP05.1. Task 1

Using SpringBoot, generate a web application that includes dependencies such as Spring Web, Thymeleaf, and Spring Boot Dev Tools. Write an endpoint that will serve path `http://localhost:8080/TP05/task1`

It will display a “Product list page”. The list of products is taken from a **static List<Product>** object (with some predefined products) and is rendered from server using a template file.

### TP05.2. Task 2

Add a link in product listing page of previous task. The link will open a web page called Add Product Page. A product contains information such as product code, product name, origin country, price, cost, image, and description.

### TP05.3. Task 3

Add another link in each product row of product list page of previous task. The link will open a web page called Edit Product Page that is used to change selected product information.