Homepage:

[Spring | Home](https://spring.io)

Description:

A Java framework that can be used for web applications.

Pros:

* Versatile
* Open source
* Good for api design
* High level of infrastructure support (essentially a template rather than having to worry about all the smaller details)
* Scalable
* Secure – features offered are authentication, authorization but also protection against common vulnerabilities
* Pre-defined templates , including JDBC
* Compatible with Java development environment, such as Maven, Junit, Checkstyle, Surefire

Cons:

* High amount of learning time expected
* Framework complexity and class number harder for beginners to grasp
* High percentage of XML in development of a spring application
* Not good to use if development experience low

# What possibly need to learn:

* Gradle or Maven Wrapper
* HTTP communication (to exchange information between different webpages)
* JSON (data structure)

Where it is typically used:

* Large-scale enterprise applications ( has support for services like transaction management and security management
* Security-intensive applications but also less security-intensive applications
* Can also be used for simple web applications

Tutorial:

[Getting Started | Building a RESTful Web Service](https://spring.io/guides/gs/rest-service/)