1. Goal

Learn the basics of Content Negotiation and enable XML support for the API in Spring (starting with Spring 4.1).

2. Lesson Notes

The Maven Dependencies

```xml
<dependency>
    <groupId>com.fasterxml.jackson.dataformat</groupId>
    <artifactId>jackson-dataformat-xml</artifactId>
</dependency>
<dependency>
    <groupId>org.codehaus.woodstox</groupId>
    <artifactId>woodstox-core-asl</artifactId>
    <version>4.4.1</version>
</dependency>
```

Advantages of using Jackson for XML

Using the new Jackson Spring support for XML has quite a few advantages over using another XML library (such as XStream):

- we're already using Jackson for JSON

- we can re-use the exact same configuration that we're already using for JSON

- no need to add extra annotations to the DTOs

- JSON Views support

Why change the default STAX implementation

Woodstox has a few advantages over the default STAX impl in the JDK:

- it's faster

- has extra features

- it's more mature and well maintained

Basics of Content Negotiation

- a JSON Request:

```
GET http://localhost:8082/api/privileges
Accept: application/json
[ {
  "id" : 1,
  "name" : "ROLE_PRIVILEGE_READ",
  "description" : null
},
... ]
```

- an XML Request:

```
GET http://localhost:8082/api/privileges
Accept: application/xml
<List>
  <item>
    <id>1</id>
    <name>ROLE_PRIVILEGE_READ</name>
    <description/>
  </item>
  ...
</List>
```

Quick note - starting with Spring 4.3.2, we now have support for multiple Accept headers in the HeaderContentNegotiationStrategy.

3. Resources

- Content negotiation