

LabXpert Documentation

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Introduction

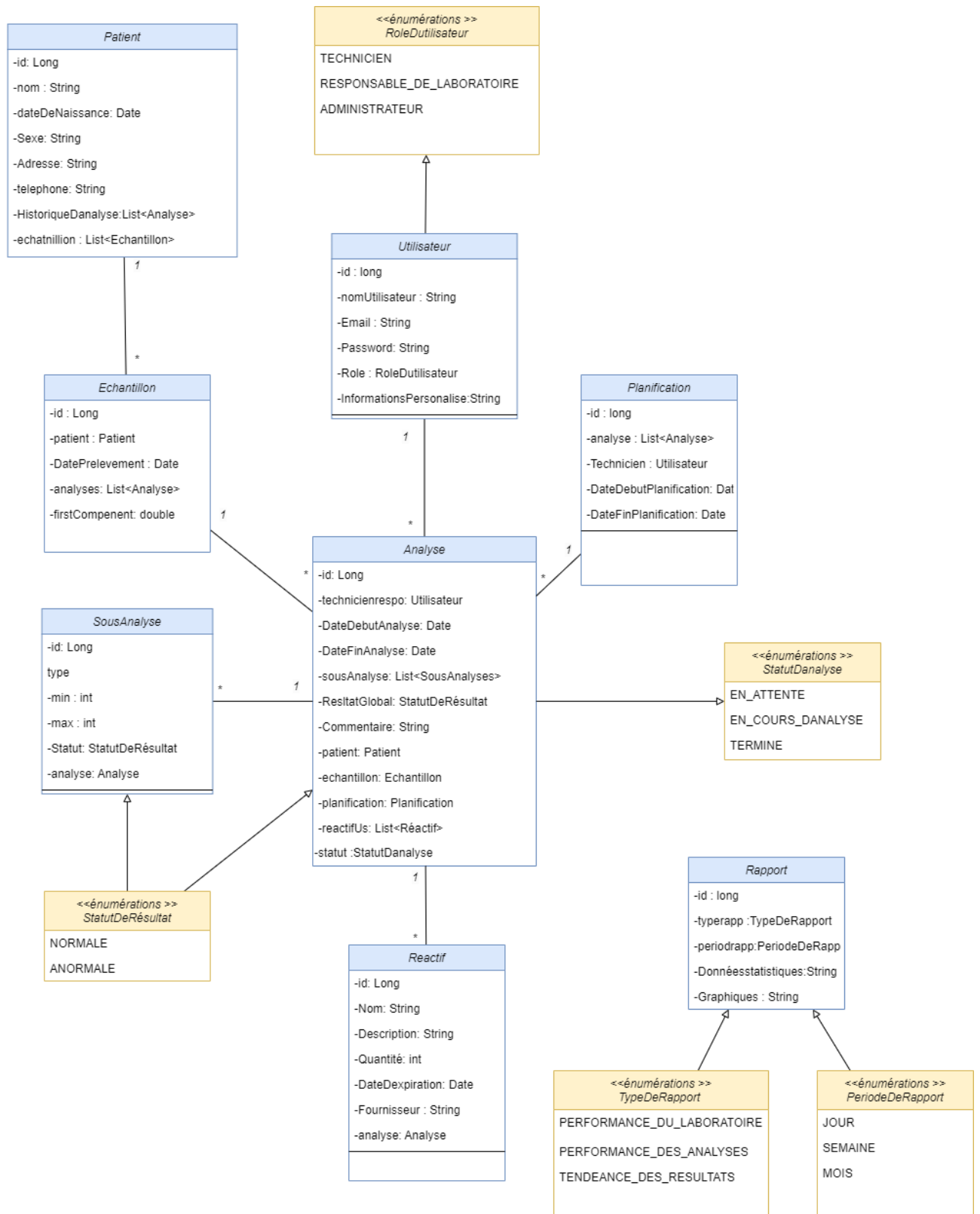
Le laboratoire médical TechLab, soucieux d'offrir un service médical de qualité, entreprend l'implémentation d'un système de gestion novateur baptisé "LabXpert". L'objectif principal de cette initiative est d'optimiser l'ensemble de ses opérations, visant à améliorer l'efficacité et la précision du traitement des analyses médicales. Confronté aux défis complexes de la gestion des échantillons et des résultats, TechLab aspire à une transition vers ce système complet afin de garantir un service plus rapide et plus précis à ses patients. LabXpert couvre divers aspects de la gestion, allant du suivi des échantillons à la gestion minutieuse des résultats, offrant ainsi une solution intégrée pour répondre aux besoins croissants du laboratoire médical TechLab.

Conception

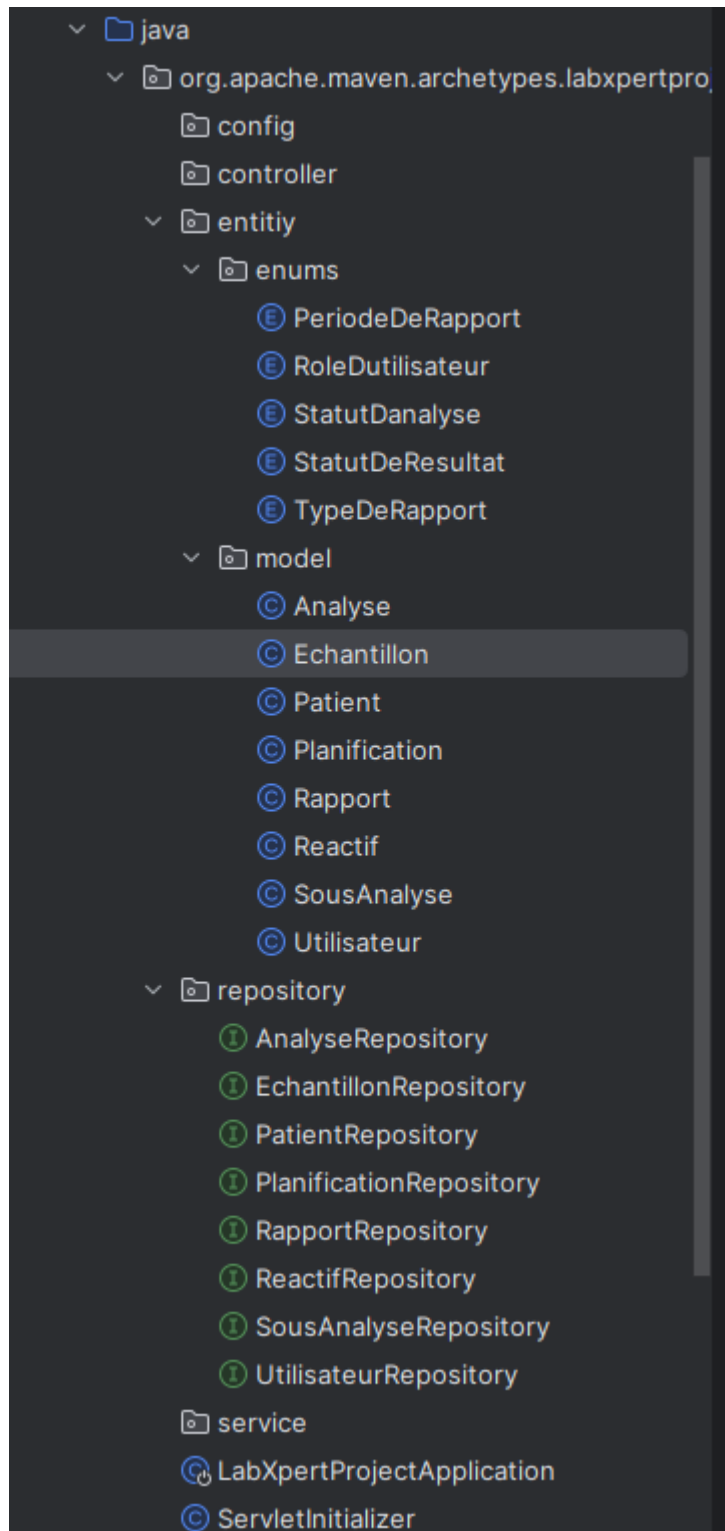
Diagramme de cas d'utilisation :



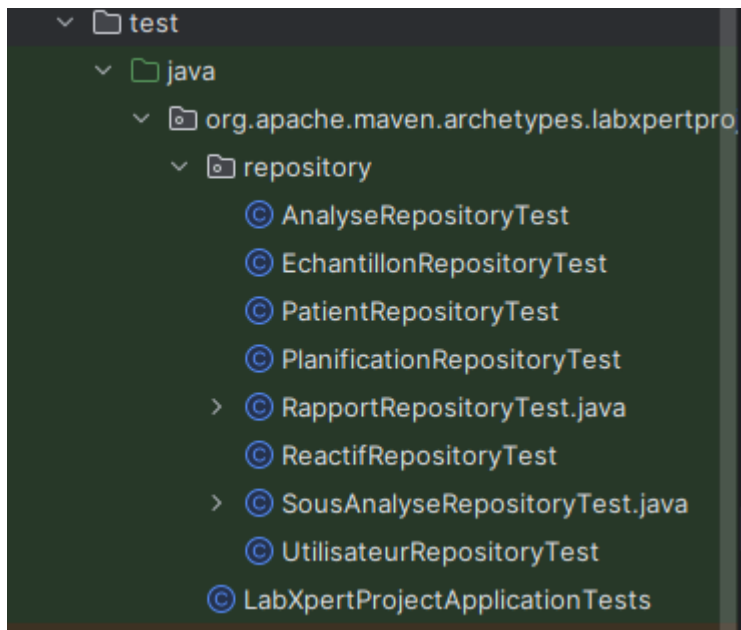
Diagramme de class :



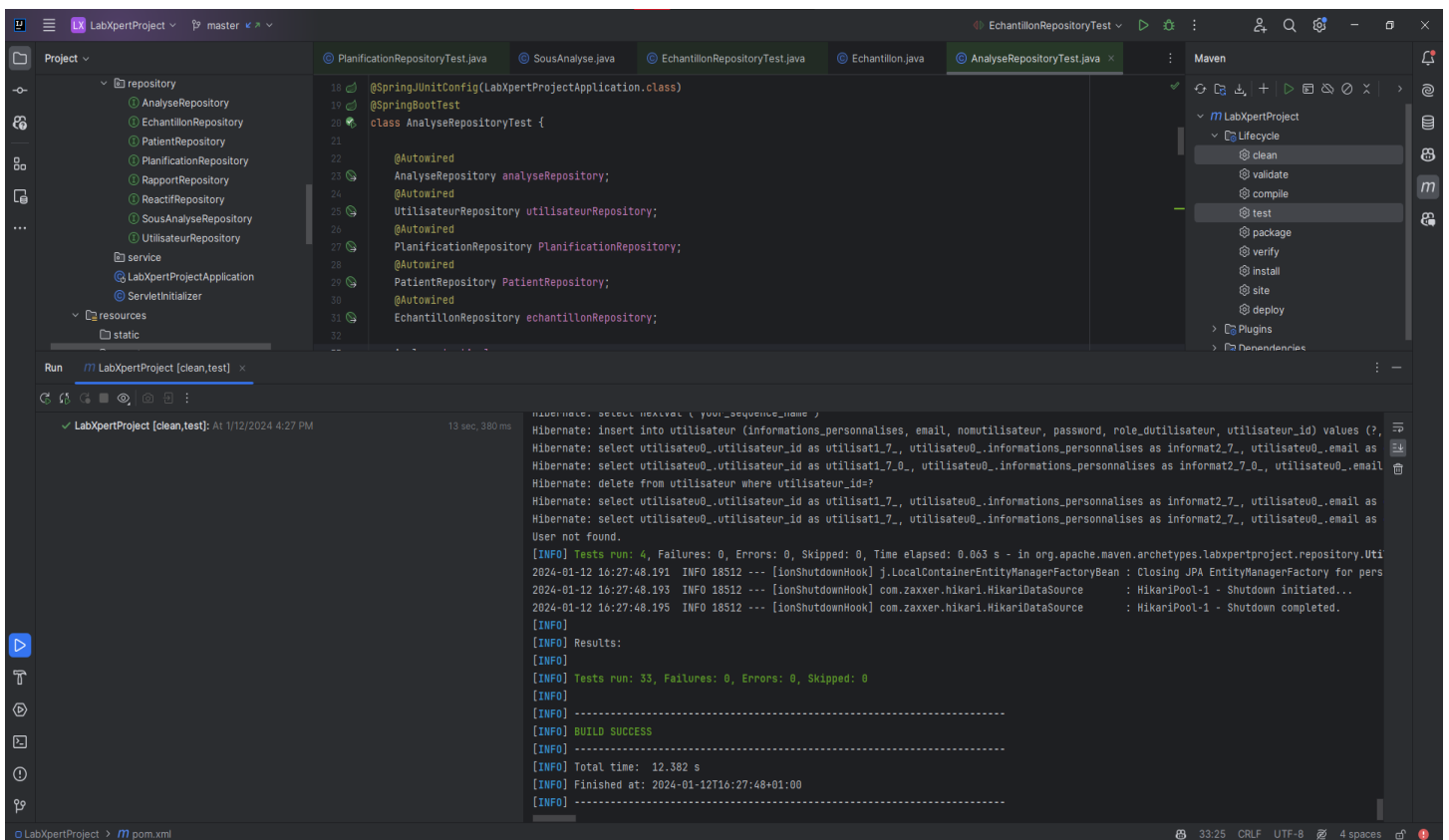
Architecture de project :



Les tests :



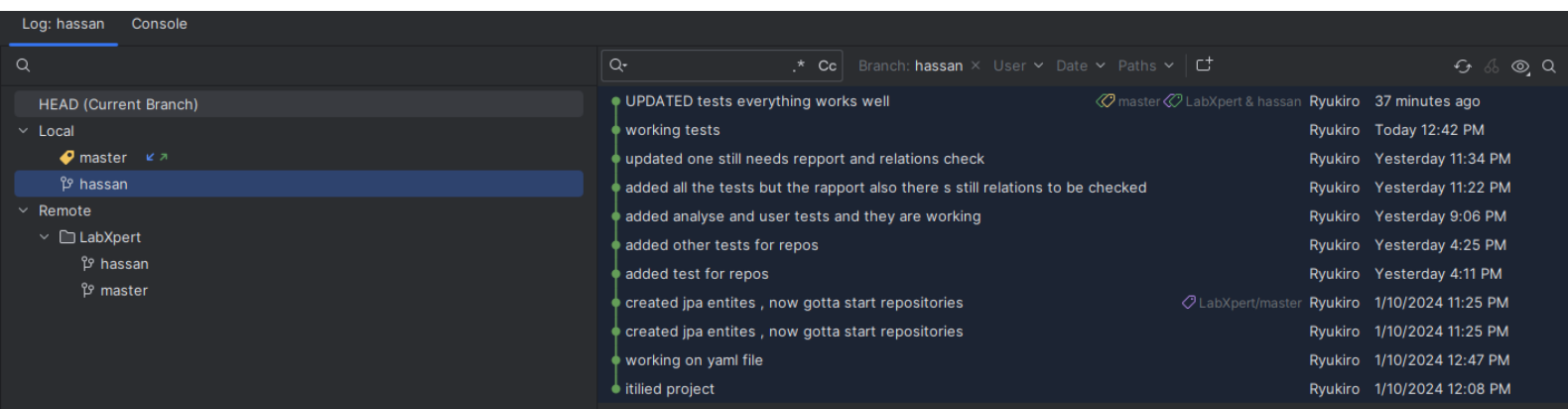
Validation des tests :



Base de donnes :

▼	📦	LabXpert
>	🔗	Casts
>	📖	Catalogs
>	🔄	Event Triggers
▼	🔗	Extensions (1)
	🔗	plpgsql
>	📦	Foreign Data Wrappers
>	🗨️	Languages
▼	📡	Publications
▼	🔗	Schemas (1)
▼	🔗	public
>	📊	Aggregates
>	📉	Collations
>	🏠	Domains
>	📄	FTS Configurations
>	📖	FTS Dictionaries
>	📖	FTS Parsers
>	📖	FTS Templates
>	📖	Foreign Tables
>	🔗	Functions
>	📊	Materialized Views
>	🔗	Operators
>	🔗	Procedures
>	1.3	Sequences
▼	📖	Tables (8)
	📖	analyse_data
	📖	echantillon
	📖	patient
	📖	planification
	📖	rapport
	📖	reactif
	📖	sous_analyse
	📖	utilisateur
>	🔗	Trigger Functions
>	📖	Types
>	📊	Views

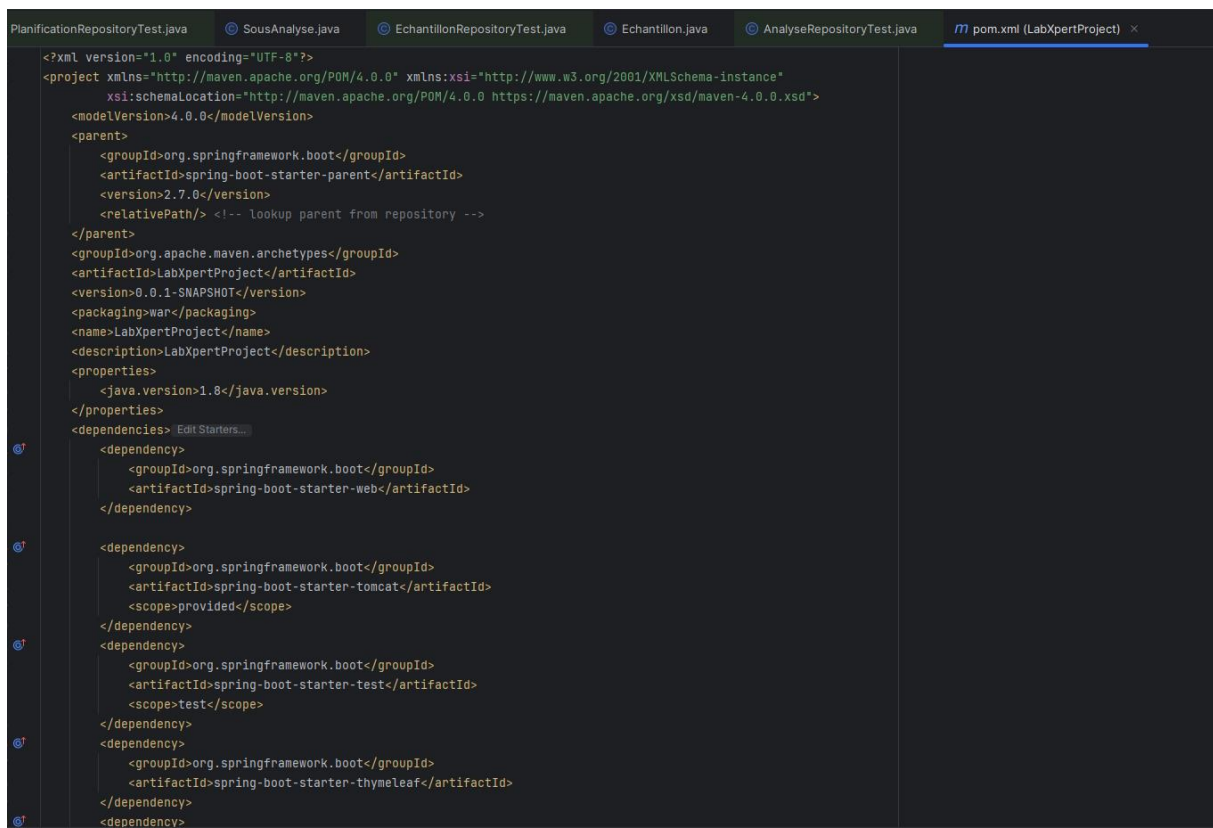
Contrôle de version avec git et github :



The screenshot shows a Git GUI interface. On the left, the 'HEAD (Current Branch)' is 'hassan'. Below it, the 'Local' branches are 'master' and 'hassan'. The 'Remote' branches are 'hassan' and 'master'. The main area displays a list of commits, each with a green circle icon, a commit message, and the author's name and time. The commits are listed in reverse chronological order, starting from the most recent one at the top.

Commit Message	Author	Time
UPDATED tests everything works well	Ryukiro	37 minutes ago
working tests	Ryukiro	Today 12:42 PM
updated one still needs repport and relations check	Ryukiro	Yesterday 11:34 PM
added all the tests but the rapport also there s still relations to be checked	Ryukiro	Yesterday 11:22 PM
added analyse and user tests and they are working	Ryukiro	Yesterday 9:06 PM
added other tests for repos	Ryukiro	Yesterday 4:25 PM
added test for repos	Ryukiro	Yesterday 4:11 PM
created jpa entites , now gotta start repositories	Ryukiro	1/10/2024 11:25 PM
created jpa entites , now gotta start repositories	Ryukiro	1/10/2024 11:25 PM
working on yaml file	Ryukiro	1/10/2024 12:47 PM
itilled project	Ryukiro	1/10/2024 12:08 PM

Gestion des dépendances :



The screenshot shows a Maven `pom.xml` file in an IDE. The file is titled 'pom.xml (LabXpertProject)'. The XML content defines the project's dependencies and properties. The dependencies are listed in the `<dependencies>` section, including Spring Boot Starter Web, Tomcat, Test, and Thymeleaf. The properties section includes the Java version (1.8).

```
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>
    <parent>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-starter-parent</artifactId>
        <version>2.7.0</version>
        <relativePath><!-- lookup parent from repository -->
    </parent>
    <groupId>org.apache.maven.archetypes</groupId>
    <artifactId>LabXpertProject</artifactId>
    <version>0.0.1-SNAPSHOT</version>
    <packaging>war</packaging>
    <name>LabXpertProject</name>
    <description>LabXpertProject</description>
    <properties>
        <java.version>1.8</java.version>
    </properties>
    <dependencies>
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-web</artifactId>
        </dependency>
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-tomcat</artifactId>
            <scope>provided</scope>
        </dependency>
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-test</artifactId>
            <scope>test</scope>
        </dependency>
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-thymeleaf</artifactId>
        </dependency>
    </dependencies>
</project>
```