Spring boot with View as

Thymeleaf -→ dynamic html

Controller layer

Service layer

Doa layer -→ JdbcTemplate

https://start.spring.io/

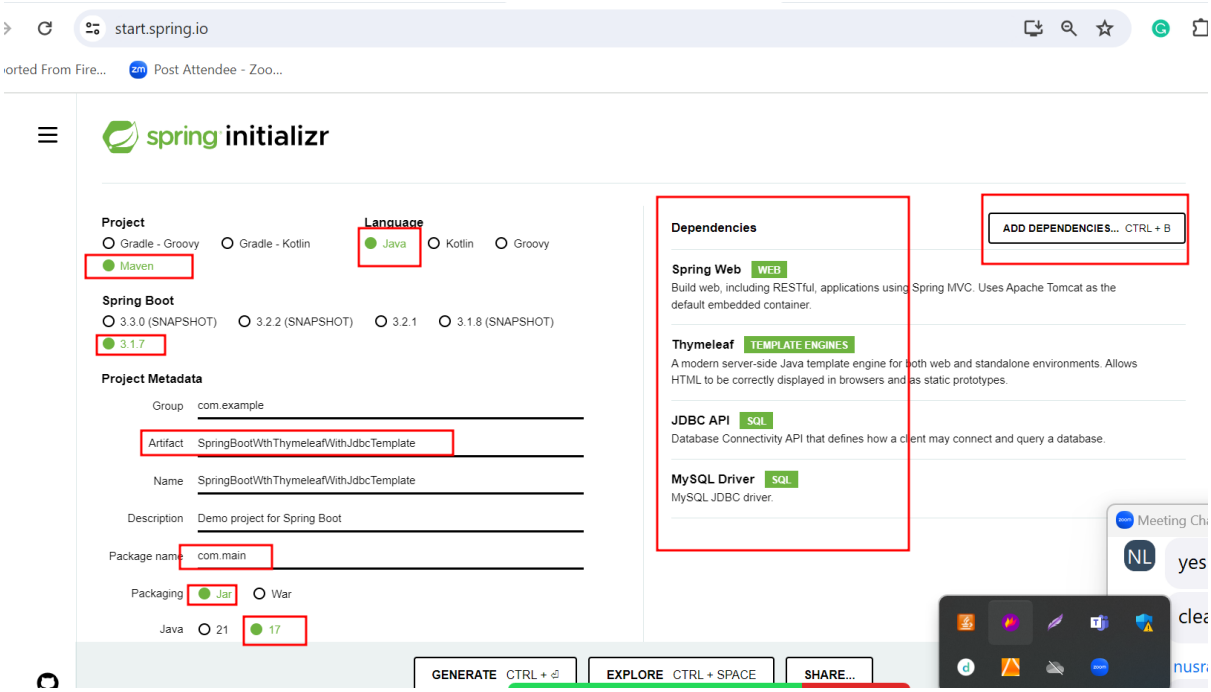
spring boot 3.x version we need minimum version of java 17.

Web starter : for web application

Thymeleaf → for view

Jdbc starter → to get features of DataSource or JdbcTemplate

Mysql connector → mysql database (dependencies)



We added jdbc starter.

Spring boot search data base details.

In spring boot we need to write database details like url, username, password and drivername in application.properties files.

From view it html or jsp we are passing the value to controller or servlet.

In servlet or spring controller using HttpServletReqeust object we are receiving the value and doing type casting and then set the value of JavaBean class object.

Application.properties file contains database details.

In Dao layer we done di for JdbcTemplate

Web Service

Giving the service for Web Application when more than one application running using different technologies.

It develop using spring boot or servlet/jsp etc.

	Java req		
Amazon --→	payment	paypal	python
XML/JSON		Paytml	java
	non	Google pay	php
	java res	Phone pay	.net
		Credit card / debit card	
		Net banking	

Xml : eXtensible markup language

JSON : JavaScript object notation

Web service help to communicate more than one application when both application running using same or different language. Like java, python, php, angular, react etc.

Web service is platform independent, language independent and browser independent.

Java platform independent but language dependent.

SOAP : only xml

Rest Full Web Service : xml as well as non xml format. Ie json, plain text, html etc.

If we want to develop rest full web service using spring boot.

@Controller annotation is replace by @RestController annotation.

In JAX_RS we use @Path annotation

We need to create spring boot project with web starter

Then create more than one controller classes and those classes replace by @RestController remaining annotation are same

@Service, @Repository (database connection using jdbcTemplate or Jpa etc).

In Rest full web service no view as html, jsp or thymeleaf etc. View must be Angular Framework.

In Rest Full web service view can be

Angular

React JS

Normal JS as front end technologies.

Python

Asp.net

Php etc.