**Day 30:**

RestTemplate :

Feign client : This API provided by spring boot. It is a part of Netflex. Which help to call micro web service in declarative manner(we create an interface and spring generate the implementation). Very easy to use only we need create the interface and use few annotation and call web service.

Eureka Server Account Micro Service Phonepay Service Feign Client

8761 8383 8484 8585

Database database call

Mysql H2 account micro

Service or phone pay

Micro service in

declarative manner

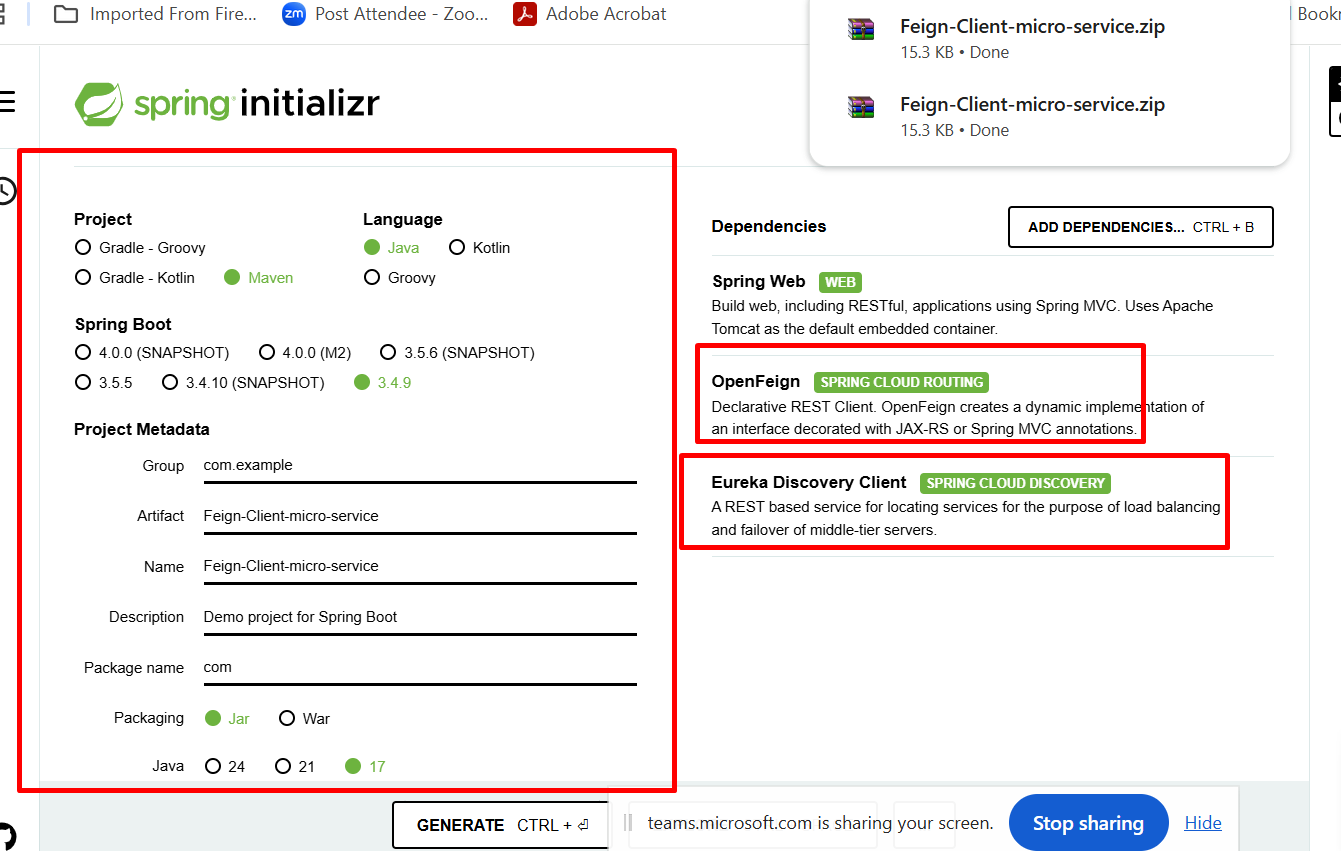
Creating another micro service project 8585

Starter 🡪 Web Starter

Starter 🡪 Eureka Discovery client

Starter 🡪 Feign client

Etc



Reactive Programming : it is use to achieve asynchronous and non block concept.

Mono : 0 or 1

Flux 1 or many

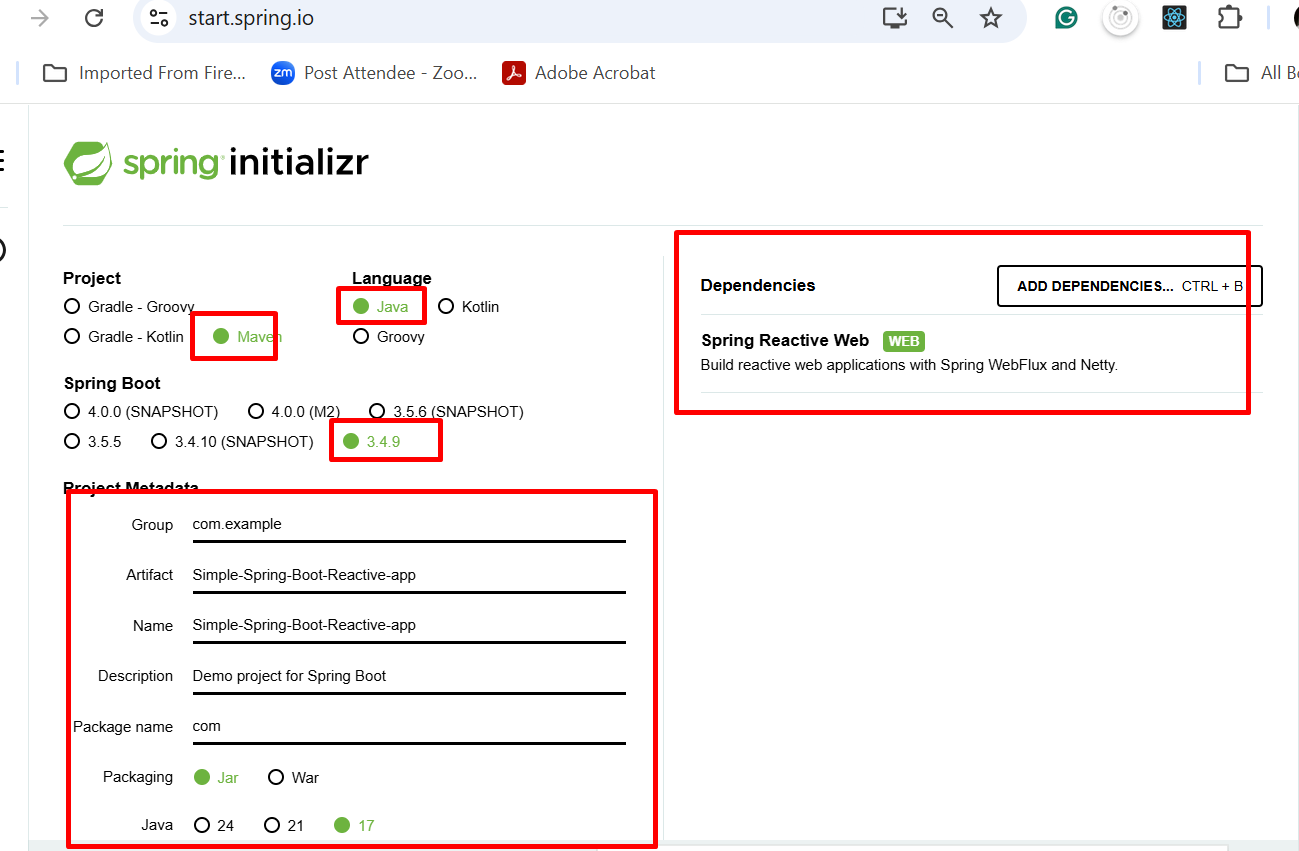
If we want to develop asynchronous Rest API using spring boot

Starter 🡪 WebFlux which provide use Mono and Flux features.

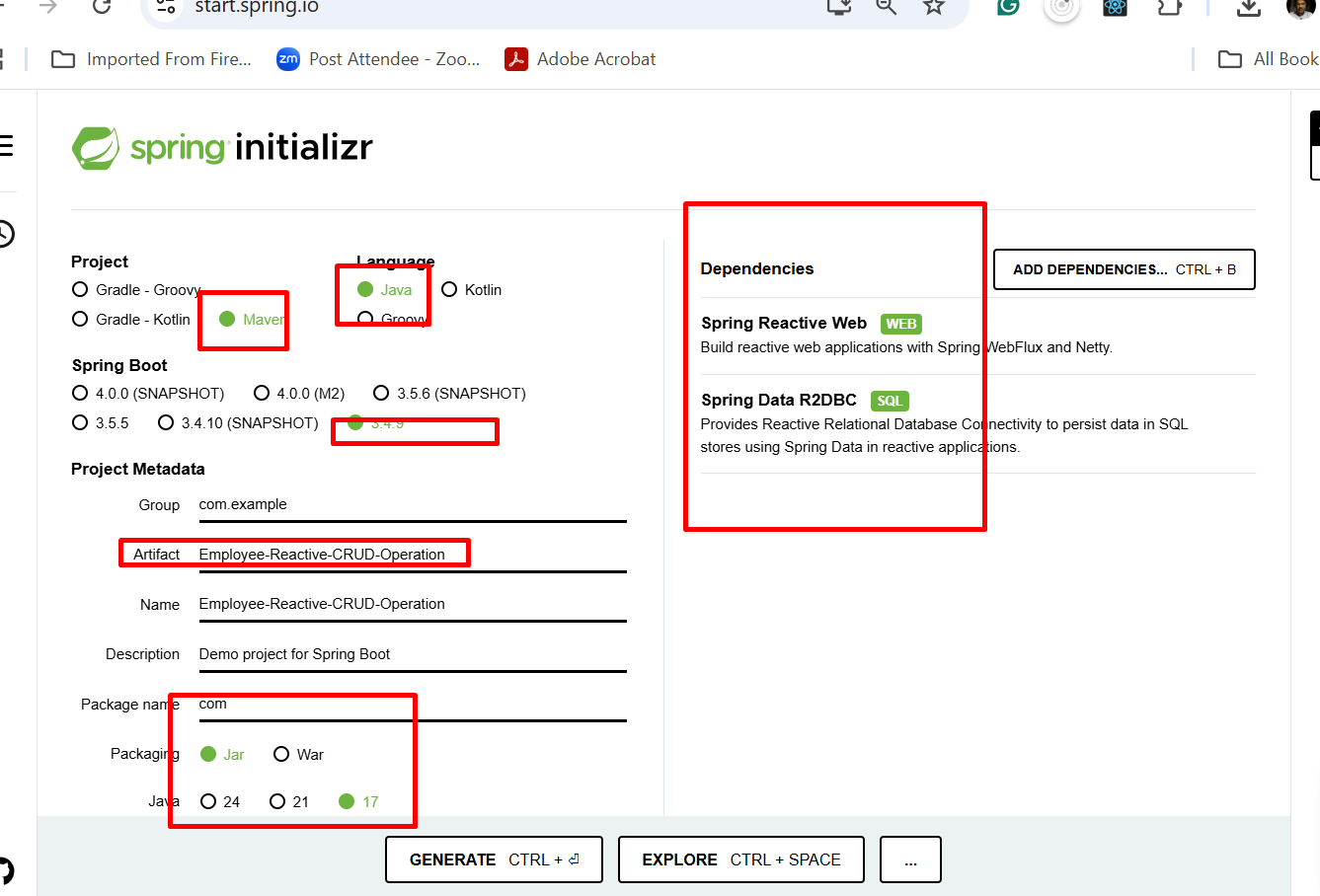
Mono<String> simple string message.

Mono<Employee> one employee

Flux<Employee> many employees



**Creating Reactive Rest API Crud Operation 🡪 EmpoyeeReactiveCrudOperation**



Add adding r2-dbc-mysql manually without version.

<!-- https://mvnrepository.com/artifact/io.asyncer/r2dbc-mysql -->

<dependency>

<groupId>io.asyncer</groupId>

<artifactId>r2dbc-mysql</artifactId>

<scope>test</scope>

</dependency>