API Workshop

Build REST APIs with Spring Boot

Software Architecture

Agenda

What are RESTful web services?

Intro to Spring Boot

Overview of Lab 1

RESTFUL WEB SERVICES

- RESTful Web Service APIs adhere to REST constraints
- HTTP commonly used as the transport layer
- URLs identify resources
 - http://www.api-workshop.com/todos
 - http://www.api-workshop.com/todos/1
- Operations
 - Create, Read, Update, Delete supported by HTTP Methods

REST OVER HTTP

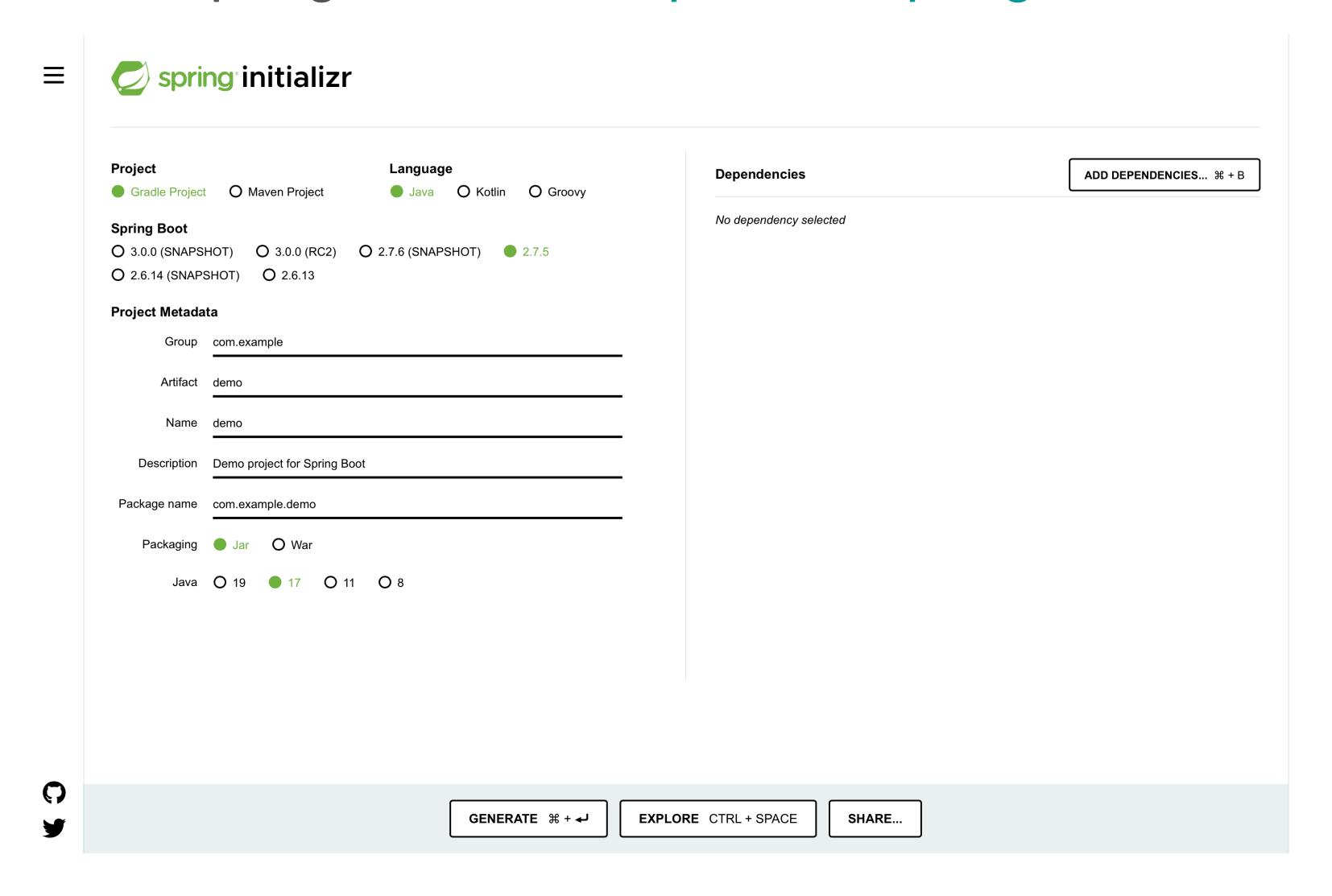
- HTTP verbs for operations
 - POST, GET, PUT, DELETE
- HTTP status codes represent the result of a request
 - HTTP 2xx Success
 - HTTP 3xx Redirection
 - HTTP 4xx Client errors
 - HTTP 5xx Server errors

RESTFUL WEB SERVICES WITH SPRING BOOT

SpringBoot makes it straightforward to build and deploy HTTP based web services

Spring Web spring-boot-starter-web	Starter for building web applications using Spring MVC. Uses Tomcat as the default embedded servlet container
Spring Reactive Web spring-boot-starter-webflux	Starter for building event-driven reactive web applications with Spring WebFlux and Netty

Spring Initializr - http://start.spring.io



Lab 1 - Spring Boot

https://github.com/nickebbitt/api-workshop