

HTTP Methods

Defines how clients interact with resources in a RESTful system.

Get

Used to retrieve data from the server without modifying it.

Typical responses: 200, 404

Post

Used to create a new resource on the server

Typical responses: 201, 400

Put

Used to modify data on the server

Typical responses: 200, 204, 201, 404

Delete

Used to remove data from the server

Typical responses: 204, 404

Spring Framework

Web

Provides tools for web applications like rest APIs

Data

Simplifies accessing data

AOP

Enables modularization of cross-cutting concerns

Core

Provides the Inversion of Control and Dependency Injection

Test

Provides utilities for unit and integration testing

Spring Boot

Simplifies setting up the spring framework by automatically configuring setup for web servers, databases, and beans

Configuration

You can configure spring boot in the application.properties file

Annotations

@SpringBootApplication	Used on the main class
@RestController	Marks a class as a RESTful controller
@RequestMapping	Maps HTTP requests to handler methods
@GetMapping	HTTP Get
@PostMapping	HTTP Post
@PutMapping	HTTP Put
@DeleteMapping	HTTP Delete

@Autowired	Injects dependencies automatically
@Service	Marks a class as a service component
@Repository	Marks a class a data repository
@Entity	Marks a class as a JPA entity for database mapping
@Value	Injects values from properties