Spring Boot

@Controller : used to make java class as a controller in Spring MVC

@ResponseBody : used to convert java objects into JSON

@RestController : combination of @Controller & @ResponseBody, It is used to mark java class as a rest controller in Spring Rest API.

@GetMapping :- used to fetch data

@PathVariable:- variable in the path I.e url

@RequestParam :- parameters in path

@PostMapping :- used to insert/save data

@RequestBody:- retrieving HTTP request body and automatically converting into java object

@PutMapping :- used to update data

@DeleteMApping:- used to delete data

@RequestMapping :- base url at class level

DTO Pattern
Data Transfer Object

Mapping Libraries to Map Entity to DTO
  1. ModelMapper
  2. MapStruct

@ExceptionHandler :- to handle the specific exception

@ControllerAdvice :- to handle the exception globally

Bean Validation
@NotNull
@NotEmpty
@Email
@Size

Spring Boot Actuator
  – It is a module provides production-ready features such as

monitoring,metrices and health checks.
- Spring-boot-starter-actuator library
- localhost:8080/actuator
- /info
- /health
- /beans
- /conditions

Swagger OPENAPI