

# Spring Boot 4-Week Learning Schedule

## WEEK 1: Spring Boot Fundamentals

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|  | Day 1: Intro to Spring, Spring Boot, Initializr |
|  | Day 2: Spring Boot Annotations                  |
|  | Day 3: Create first REST API (GET, POST)        |
|  | Day 4: RequestBody and PathVariable             |
|  | Day 5: DevTools, application.properties         |
|  | Day 6: Mini Project: Student API (in-memory)    |
|  | Day 7: Revision + Recap                         |

## WEEK 2: Spring Boot + Database (MySQL)

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|  | Day 8: Intro to MySQL + Spring Boot DB Connect |
|  | Day 9: @Entity, @Repository, CRUD              |
|  | Day 10: Auto-generating tables                 |
|  | Day 11: @Id, @GeneratedValue, @Column          |
|  | Day 12: Service Layer, @Service                |
|  | Day 13: Mini Project: Employee CRUD            |
|  | Day 14: Postman Testing + Fixes                |

## WEEK 3: Advanced Concepts

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|  | Day 15: Exception Handling         |
|  | Day 16: DTOs & ModelMapper         |
|  | Day 17: Logging + application.yml  |
|  | Day 18: @Component, @Autowired, DI |
|  | Day 19: Pagination & Sorting       |
|  | Day 20: API: Library Management    |

## Spring Boot 4-Week Learning Schedule

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Day 21: Review + Practice

### WEEK 4: Final Project + Extras

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Day 22: Final Project (e.g., Expense Tracker)

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Day 23: Add Validations

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Day 24: Swagger Docs

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Day 25: Basic Auth / JWT (optional)

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Day 26: Test APIs

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Day 27: Push to GitHub

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Day 28: Final Review + Resume Update