## Spring Boot开发手册

Macbook笔记本，位置在：~/jwork/demo

集成开发环境：IDEA

手动开发环境：VS Code、maven命令行

《Spring Boot+Vue 3大型前后端分离项目实战》(2023)

掘金小册：<https://juejin.cn/book/6844733826191589390>

1. 建立项目

使用IDEA创建demo项目，基于Spring Boot 2.6.0，JDK 1.8

1. Lombok数据实体

导入依赖：pom.xml

<dependency>

<groupId>org.projectlombok</groupId>

<artifactId>lombok</artifactId>

</dependency>

创建data/User.java

@Data注解，可以避免写getter/setter，简化代码

1. Mybatis对接数据库

导入依赖：pom.xml

<dependency>

<groupId>mysql</groupId>

<artifactId>mysql-connector-java</artifactId>

<scope>runtime</scope>

</dependency>

<dependency>

<groupId>com.baomidou</groupId>

<artifactId>mybatis-plus-boot-starter</artifactId>

<version>3.5.2</version>

</dependency>

实体类：data/User.java，要继承Serializable

用@TableName注解表名，用@TableId注解主键，用@TableField注解字段

注意字段中的下划线要转换为大小写驼峰写法

@TableName("tb\_user")

@Data

public class User implements Serializable

映射类：dao/UserMapper.java，继承BaseMapper<User>

public interface UserMapper extends BaseMapper<User>

映射声明：resources/mapper/UserMapper.xml，指向映射类

<mapper namespace="com.hifiax.demo.dao.UserMapper">

配置参数：resources/application.properties，指向映射声明

spring.datasource.name=testdb-datasource

spring.datasource.driverClassName=com.mysql.cj.jdbc.Driver

spring.datasource.url=jdbc:mysql://localhost:3306/test\_db?useUnicode=true&serverTimezone=Asia/Shanghai&characterEncoding=utf8&autoReconnect=true&useSSL=false&allowMultiQueries=true

spring.datasource.username=hifi

spring.datasource.password=hifi

mybatis-plus.mapper-locations=classpath:mapper/\*Mapper.xml

初始化配置：DemoApplication.java

@MapperScan("com.hifiax.demo.dao")

使用前要声明，然后才能用：DemoApplicationTests.java

@Autowired

private UserMapper userMapper;

User user=userMapper.selectById(1);

1. Swagger接口定义

导入依赖：pom.xml

<dependency>

<groupId>io.springfox</groupId>

<artifactId>springfox-swagger2</artifactId>

<version>2.9.2</version>

</dependency>

<dependency>

<groupId>io.springfox</groupId>

<artifactId>springfox-swagger-ui</artifactId>

<version>2.9.2</version>

</dependency>

注册类：config/Swagger2Config.java

@Configuration

@EnableSwagger2

public class Swagger2Config {

@Bean

public Docket api() {

return new Docket(DocumentationType.SWAGGER\_2)

.apiInfo(apiInfo())

.select()

.apis(RequestHandlerSelectors.basePackage("ltd.newbee.mall.controller"))

.paths(PathSelectors.any())

.build();

}

private ApiInfo apiInfo() {

return new ApiInfoBuilder()

.title("swagger-api文档")

.description("swagger文档 by 13")

.version("1.0")

.build();

}

}

用@ApiOperation注解函数信息

可访问：<http://localhost:8080/swagger-ui.html>

1. REST接口

前后端分离，采用RestController，仅返回数据而非页面。样例如下：

@RestController  
@RequestMapping("/api/v1")  
public class NotifyController {

@PutMapping("/notify")  
public String notifyMessage() {

return "ok";  
 }  
}

访问命令：

curl -X PUT hz1.hifiax.com:8080/api/v1/notify