

# springboot 和 mybatis-plus

## 创建项目

create-springboot-project: <https://qq829.cn/book/books/bbcbf/page/create-springboot-project>

## 配置文件

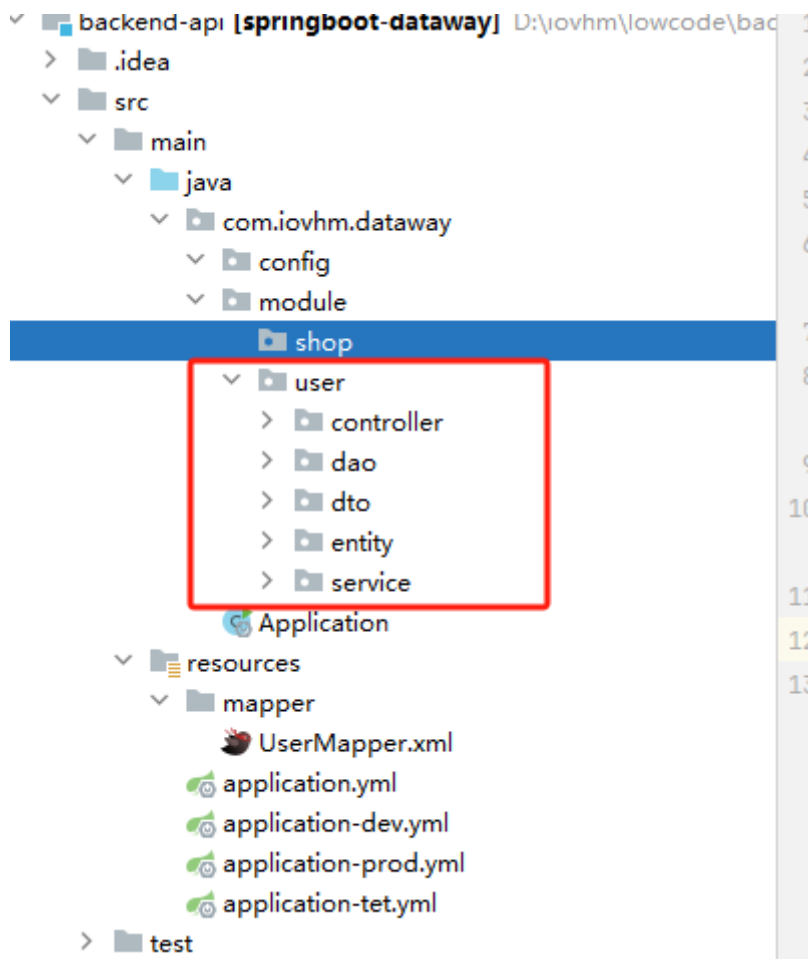
创建 create-springboot-project 项目

```
# application.yml
spring:
  autoconfigure:
    # 关闭 Spring Boot 自动配置
    exclude: org.springframework.boot.autoconfigure.jdbc.DataSourceAutoConfiguration
```

## 数据库配置

- entity 包
- DAO 包 spring-boot 包 Mapper
- DTO 包 DTO 包 entity 包, entity 包

## 测试



## pom

```
<dependencyManagement>
  <dependencies>
    <dependency>
      <groupId>com. baomidou</groupId>
      <artifactId>mybatis- plus- bom</artifactId>
      <version>3. 5. 10</version>
      <type>pom</type>
      <scope>import t</scope>
    </dependency>
  </dependencies>
</dependencyManagement>

<!-- mysql -->
<dependency>
  <groupId>mysql</groupId>
  <artifactId>mysql- connector- java</artifactId>
  <version>8. 0. 30</version>
```

```
</dependency>
<!--mybatis-->
<!-- mybatis plus  mybatis  mybatis plus ----->
<dependency>
    <groupId>org.mybatis.spring.boot</groupId>
    <artifactId>mybatis-spring-boot-starter</artifactId>
    <version>3.0.3</version>
</dependency>
<dependency>
    <groupId>com.baomidou</groupId>
    <artifactId>mybatis-plus-spring-boot3-starter</artifactId>
    <version>3.5.10</version>
</dependency>
```

数据库配置

```
spring:
  datasource:
    url: jdbc:mysql://127.0.0.1:33306/dataway?charset=utf8mb4&serverTimezone=Asia/Shanghai
    username: <root>
    password: <password>
    driver-class-name: com.mysql.cj.jdbc.Driver
```

数据库表

名称	类型	长度	小数点	不是 null	虚拟	键	注释
id	int	11		<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	
name	varchar	255		<input checked="" type="checkbox"/>	<input type="checkbox"/>		
age	int	11		<input type="checkbox"/>	<input type="checkbox"/>		
email	varchar	255		<input type="checkbox"/>	<input type="checkbox"/>		

Entity

**@Data @TableName("user")**

```
@Data
@TableName("user")
public class UserEntity {
    private Integer id;
    private String name;
    private Integer age;
    private String email;
}
```

## DTO

DTO 继承 Entity 并添加 @Data

```
@Data
public class UserDTO extends UserEntity {

}
```

## DAO

Mybatis 的 **BaseMapper** 继承 Mapper 并添加 Entity 接口

```
@Mapper
public interface UserDao extends BaseMapper<UserEntity> {

}
```

## Service

```
public interface UserService {
```

```

        List<UserDTO> selectList();

        List<UserDTO> selectList2();
    }

    @Service
    public class UserServiceImpl implements UserService {

        private final UserMapper userMapper;
        private final UserDao userDao;

        public UserServiceImpl(UserMapper userMapper, UserDao userDao) {
            this.userMapper = userMapper;
            this.userDao = userDao;
        }

        @Override
        public List<UserDTO> selectList() {
            List list = userDao.selectList(null);
            return list;
        }

        @Override
        public List<UserDTO> selectList2() {
            return userMapper.selectList();
        }
    }
}

```

## Controller

```

// Controller
@RequestMapping("/")
// Controller

```

```
@RestController
@Slf4j
public class HomeController {

    private UserService userService;

    public HomeController(UserService userService) {
        this.userService = userService;
    }

    @RequestMapping("/")
    public Object hello() {
        List list = userService.selectList();
        List list2 = userService.selectList2();
        return Map.of("list", list, "list2", list2);
    }
}
```

## 📁Application

```
@MapperScan("com.iovhm.dataway.**.dao")
```

```
@SpringBootApplication
@MapperScan("com.iovhm.dataway.**.dao")
public class Application {
    public static void main(String[] args) {
        SpringApplication.run(Application.class);
    }
}
```

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