3.1环境配置与技术

3.1.1概述

我们依据B/S架构,使用前后端完全分离的方式进行开发.我们使用了Spring Boot, Hibernate-jpa,vue等框架,使用了Java,Kotlin,JavaScript等开发语言,使用了git,maven,postman等辅助工具辅助开发,在Windows,Android双平台上实现了数据库互通的投顾系统.

具体技术特性和优势等在此不做赘述,详情见维基百科.完整技术栈罗列如下.

3.1.2技术栈

|  |  |
| --- | --- |
| 一、使用框架 | |
| Spring Boot | 服务器端框架 |
| Hibernate-jpa | 数据库框架 |
| Vue+Vue Router+Vuex | web端框架 |
| 二、环境搭建 | |
| Windows10 | 开发环境 |
| Linux | 服务器环境 |
| Android | 移动端平台 |
| Mysql | 数据库支持 |
| JRE8 | Java运行环境 |
| Chrome | Web端测试环境 |
| 三、编程语言 | |
| Java | 服务器端、安卓端开发语言 |
| JavaScript | Web端开发语言 |
| XML | 安卓端开发语言 |
| HTML | Web端开发语言 |
| 四、开发工具 | |
| IntelliJ Idea | Java开发IDE |
| Web Storm、VS Code | web端开发IDE |
| Android Studio | 安卓端开发IDE |
| Git | 版本控制工具 |
| Maven | Java项目依赖整合工具 |
| NPM | JS 包管理工具 |
| Postman | 接口测试工具 |

3.1 Environmental configuration and technique

3.1.1 Overview

We use the B/S architecture to develop and completely separate the frontend from the backend. We will use Spring Boot, Hibernate-JPA, Vue and other frameworks, and use Java, Kotlin, JavaScript and other development languages, using git, maven, postman, etc. dev-tools to assist our development. we will build an interoperability investment system on Windows and Android upon the same database.

Specific technical characteristics and advantages will not be described here. You can see Wikipedia for details. The complete technology stack is listed below.

3.1.2 Technology Stack

|  |  |
| --- | --- |
| 1、Framework | |
| Spring Boot | Web server framework |
| Hibernate-JPA | Database framework |
| Vue+Vue Router+Vuex | Web frontend framework |
| 2、Environment | |
| Windows10 | Development environment |
| Linux | Server environment |
| Android | Mobile platform |
| Mysql | Database support |
| JRE8 | Java runtime environment |
| Chrome | Web test environment |
| 3、program language | |
| Java | Server and Android development language |
| JavaScript | Web development language |
| XML | Android development language |
| HTML | Web development language |
| 4、development tool | |
| IntelliJ Idea | Java development IDE |
| Web Storm、VS Code | Web development IDE |
| Android Studio | Android development IDE |
| Git | Version control tool |
| Maven | Java Project dependent integration tool |
| NPM | JS Package management tool |
| Postman | Interface test tool |