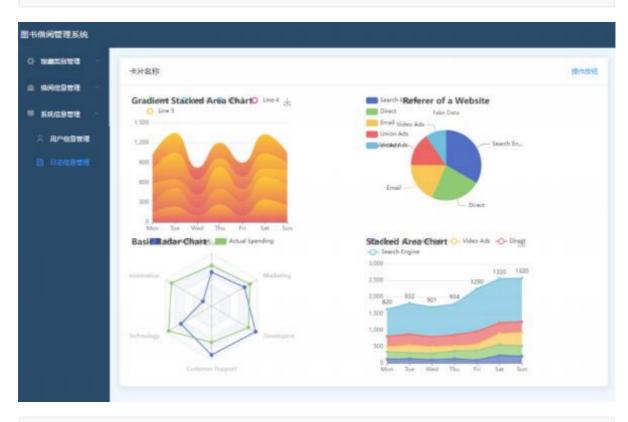
第一节 基于Mybatis+Spring/SpringBoot前后端分离图书借阅数据分析系统设计与实现

该系统主要完成图书借阅数据分析功能,该系统包含图书类别模块功能实现、馆藏图书模块功能实现、图书借阅模块功能实现、系统操作日志模块功能实现、用户模块功能实现、借阅数据分析模块查看等、该系统采用目前企业流行的前后端分离开发模式,后端采用java语言开发,mysql作为数据存储库、使用mybatis或mybatisPlus(JDBC封装框架)作为数据持久层技术、使用spring或springoot作为整合mybatis、mybatisPlus框架,让开发变得更加简单、快速、易用;使用swagger技术作为前后端分离开发后端提供前端开发API文档、前端使用目前最流行的VUE技术作为前端技术栈、使用饿了么团队研发的基于VUE的Element框架,不过对于学习者而言都要会,为全栈开发打下坚实基础,最后主要是目前企业开发主流是低代码平台或企业自己研发平台加AI进行辅助开发,大大提高开发效率,降低企业开发成本。



```
/*
SQLyoq Ultimate v9.10
MySQL - 8.0.22 : Database - book
********************
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0
*/;
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;
/*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES, SQL_NOTES=0 */;
CREATE DATABASE /*!32312 IF NOT EXISTS*/`book` /*!40100 DEFAULT CHARACTER SET
COLLATE utf8_bin */ /*!80016 DEFAULT ENCRYPTION='N' */;
USE `book`;
/*Table structure for table `book` */DROP TABLE IF EXISTS `book`;
CREATE TABLE `book` (
`bid` INT NOT NULL AUTO_INCREMENT,
`cateid` INT DEFAULT NULL COMMENT '图书类别表外键',
`bnum` VARCHAR(50) CHARACTER SET utf8 COLLATE utf8_bin DEFAULT NULL COMMENT '图书
编
`bname` VARCHAR(50) CHARACTER SET utf8 COLLATE utf8_bin DEFAULT NULL COMMENT '\[ \]
```

```
书名
称',
`price` INT DEFAULT NULL COMMENT '单价',
`author` VARCHAR(50) CHARACTER SET utf8 COLLATE utf8_bin DEFAULT NULL COMMENT '作
`ddesc` TEXT CHARACTER SET utf8 COLLATE utf8_bin COMMENT '简介',
`quantity` INT DEFAULT NULL COMMENT '库存数量',
`deleted` INT DEFAULT '0' COMMENT '0未删除、1已删除,默认是0',
`createtime` VARCHAR(30) CHARACTER SET utf8 COLLATE utf8_bin DEFAULT NULL
COMMENT
'创建时间',
`modifytime` VARCHAR(30) CHARACTER SET utf8 COLLATE utf8_bin DEFAULT NULL
COMMENT
'修改时间',
PRIMARY KEY (`bid`)
) ENGINE=INNODB AUTO_INCREMENT=26 DEFAULT CHARSET=utf8 COLLATE=utf8_bin;
/*Data for the table `book` */
INSERT INTO
`book`(`bid`,`cateid`,`bnum`,`bname`,`price`,`author`,`ddesc`,`quantity`,`delete
atetime`, `modifytime`) VALUES (1,2,'1001','红楼梦',100,'曹雪芹','《红楼梦》,中国古代
篇小说,中国古典四大名著之一,一般认为是清代作家曹雪芹所著。小说以贾、史、王、薛四大家族的兴衰为
富贵公子贾宝玉为视角,以贾宝玉与林黛玉、薛宝钗的爱情婚姻悲剧为主线,描绘了一批举止见识出于须眉之
佳人的人生百态,展现了真正的人性美和悲剧美,可以说是一部从各个角度展现女性美以及中国古代社会世态
诗性著作。',99,0,NULL,'2021-07-27 17:05:26'),(2,1,'1002','我这一辈子',100,'老
舍','《我这一辈
子》是老舍先生创作于1937年抗战前夕的一部著名的中篇小说。描写了一个旧时代普通巡警的坎坷一生。
日载于《文学》第9卷第1号。《我这一辈子》是老舍第一个创作黄金时期的压轴作品,格外具有挺拔于时代的
息',80,0,NULL,'2021-07-27 17:06:04'),(3,1,'1003','平凡的世界',100,'路遥','《平凡的世
国作家路遥创作的一部全景式地表现中国当代城乡社会生活的百万字长篇小说。全书共三部。1986年12月首次
该书以中国70年代中期到80年代中期十年间为背景,通过复杂的矛盾纠葛,以孙少安和孙少平两兄弟为中心,
刻画了当
时社会各阶层众多普通人的形象;劳动与爱情、挫折与追求、痛苦与欢乐、日常生活与巨大社会冲突纷繁地交
织在一
起,深刻地展示了普通人在大时代历史进程中所走过的艰难曲折的道路',99,0,NULL,'2021-07-16
14:56:35'),
(4,1,'1004','梦里花落知多少',100,'郭敬明','《梦里花落知多少》是当代作家郭敬明创作的一部长篇
以北京、上海等大都市为背景,讲述了几个年轻人的爱情故事,故事情节曲折,语言幽默生动,大量的引入口
幽默的比喻。 [1] \n主人公是一些即将走出校门的大学生,在成长的过程中,友情、爱情都在经历着蜕变。
出版便在市场上取得重大成功,销量上成为2004年全国文学类畅销书第一名。',999,0,'2021-06-25
11:15:37','2021-07-16 14:57:16'),(6,2,'1005','三国演义',100,'罗贯中','三国演义三国演义
三国演义
三国演义',1000,0,'2021-07-15 16:16:51','2021-07-27 17:04:29'),(7,1,NULL,'三国演义
1',99,NULL,NULL,NULL,0,NULL,NULL),(8,1,NULL,'三国演义
2',99,NULL,NULL,NULL,0,NULL,NULL),
(24, NULL, NULL, '23', 23, '23', '2323', 23, NULL, NULL, NULL);
/*Table structure for table `borrow` */
DROP TABLE IF EXISTS `borrow`;
CREATE TABLE `borrow` (
```

```
`boid` INT NOT NULL AUTO_INCREMENT,
`sid` INT DEFAULT NULL,
`bid` INT DEFAULT NULL,
`otime` VARCHAR(50) CHARACTER SET utf8 COLLATE utf8_bin DEFAULT NULL,
`itime` VARCHAR(50) CHARACTER SET utf8 COLLATE utf8_bin DEFAULT NULL,
`quantity` INT DEFAULT NULL,
`deleted` INT DEFAULT '0',
`uid` INT DEFAULT NULL, `stat` INT DEFAULT '0' COMMENT '0已借出、1已归还',
PRIMARY KEY (`boid`)
) ENGINE=INNODB AUTO_INCREMENT=35 DEFAULT CHARSET=utf8 COLLATE=utf8_bin;
/*Data for the table `borrow` */
`borrow`(`boid`,`sid`,`bid`,`otime`,`itime`,`quantity`,`deleted`,`uid`,`stat`)
VALUES
(27,1,1,'2021-07-16\ 14:56:10','2021-07-27\ 17:04:26',1,0,1,1),(28,2,2,'2021-07-16
14:56:18','2021-07-27 17:04:27',1,0,1,1),(29,1,6,'2021-07-16 14:56:27','2021-07-
17:04:29',1,0,1,1),(30,2,3,'2021-07-16 14:56:35',NULL,1,0,1,0),(31,1,1,'2021-07-
14:57:05', NULL, 1, 0, 1, 0), (32, 1, 4, '2021-07-16 14:57:16', NULL, 1, 0, 1, 0),
(33,1,1,'2021-07-27
17:05:20','2021-07-27 17:05:26',1,0,1,1),(34,1,2,'2021-07-27
17:06:04', NULL, 20, 0, 1, 0);
/*Table structure for table `category` */
DROP TABLE IF EXISTS `category`;
CREATE TABLE `category` (
`cateid` INT NOT NULL AUTO_INCREMENT,
`catename` VARCHAR(50) CHARACTER SET utf8 COLLATE utf8_bin DEFAULT NULL COMMENT
'类
别名称',
`deleted` INT DEFAULT '0' COMMENT '0未删除、1已删除',
`createtime` VARCHAR(30) CHARACTER SET utf8 COLLATE utf8_bin DEFAULT NULL
COMMENT
'创建时间',
`modifytime` VARCHAR(30) CHARACTER SET utf8 COLLATE utf8_bin DEFAULT NULL
COMMENT
'修改时间',
PRIMARY KEY (`cateid`)
) ENGINE=INNODB AUTO_INCREMENT=27 DEFAULT CHARSET=utf8 COLLATE=utf8_bin;
/*Data for the table `category` */
INSERT INTO `category`(`cateid`, `catename`, `deleted`, `createtime`, `modifytime`)
VALUES (1,'近代小说类',0,NULL,NULL),(2,'古典小说类',0,NULL,NULL),(3,'计算机
类',0,NULL,NULL),
(4, '考研类', 0, '2021-06-25 10:55:42', '2021-06-25 10:56:49'), (6, '探索
类',0,NULL,'2021-07-13
14:38:18'),(11,'探索类1',0,NULL,'2021-08-09 19:24:28'),(12,'ouio',1,NULL,NULL),
(13, 'uip',1,NULL,NULL),(14, 'sdgh',1,NULL,NULL),(15, 'fjf',1,NULL,NULL),
(16, 'adsfsd',1,NULL,NULL),(17, '56768768',1, '2021-07-13 10:20:57',NULL);
/*Table structure for table `logs` */
DROP TABLE IF EXISTS `logs`;
CREATE TABLE `logs` (
`operid` INT NOT NULL AUTO_INCREMENT,
`sid` INT DEFAULT NULL,
`uid` INT DEFAULT NULL COMMENT '用户外键',
`opertime` VARCHAR(50) CHARACTER SET utf8 COLLATE utf8_bin DEFAULT NULL COMMENT
'操
作时间',
`opername` VARCHAR(50) CHARACTER SET utf8 COLLATE utf8_bin DEFAULT NULL COMMENT
'操
作人',
```

```
`ip` VARCHAR(50) CHARACTER SET utf8 COLLATE utf8_bin DEFAULT NULL COMMENT '操作
IP',
`methods` TEXT CHARACTER SET utf8 COLLATE utf8_bin COMMENT '操作模块方法',
`ddesc` TEXT CHARACTER SET utf8 COLLATE utf8_bin COMMENT '描述',
PRIMARY KEY (`operid`)
) ENGINE=INNODB AUTO_INCREMENT=180 DEFAULT CHARSET=utf8 COLLATE=utf8_bin;
/*Data for the table `logs` */INSERT INTO
`logs`(`operid`,`sid`,`uid`,`opertime`,`opername`,`ip`,`methods`,`ddesc`) VALUES
(66, NULL, NULL, '2021-07-15 16:22:39', '张
飞','127.0.0.1','com.xls.app.controller.BorrowController.backBook','归还图书操作'),
(67, NULL, NULL, '2021-07-15 16:23:10', '张
飞','127.0.0.1','com.xls.app.controller.BorrowController.borrowBook','借阅图书操
作'),
(68, NULL, NULL, '2021-07-15
16:23:35', 'admin', '127.0.0.1', 'com.xls.app.controller.BookController.find', '分页查
询图书信
息'),(69,NULL,NULL,'2021-07-15
16:23:36','admin','127.0.0.1','com.xls.app.controller.BookController.find','分页查
息'),(70,NULL,NULL,'2021-07-15
16:23:36', 'admin', '127.0.0.1', 'com.xls.app.controller.BookController.find', '分页查
息'),(71,NULL,NULL,'2021-07-15
16:23:37', 'admin', '127.0.0.1', 'com.xls.app.controller.BookController.find', '分页查
询图书信
息'),(72,NULL,NULL,'2021-07-15
16:23:37', 'admin', '127.0.0.1', 'com.xls.app.controller.BookController.find', '分页查
询图书信
息'),(73,NULL,NULL,'2021-07-15
16:23:37', 'admin', '127.0.0.1', 'com.xls.app.controller.BookController.find', '分页查
息'),(74,NULL,NULL,'2021-07-15
16:23:37', 'admin', '127.0.0.1', 'com.xls.app.controller.BookController.find', '分页查
息'),(75,NULL,NULL,'2021-07-15
16:39:47', 'admin', '127.0.0.1', 'com.xls.app.controller.BookController.find', '分页查
询图书信
息'),(76,NULL,NULL,'2021-07-15
16:49:32', 'admin', '127.0.0.1', 'com.xls.app.controller.BookController.find', '分页查
询图书信
息'),(77,NULL,NULL,'2021-07-15 16:50:09','刘
备','127.0.0.1','com.xls.app.controller.BookController.find','分页查询图书信息'),
(78, NULL, NULL, '2021-07-15 16:50:23', '张
飞','127.0.0.1','com.xls.app.controller.BorrowController.backBook','归还图书操作'),
(79, NULL, NULL, '2021-07-15 16:51:01', '张
飞','127.0.0.1','com.xls.app.controller.BorrowController.borrowBook','借阅图书操
作'),
(80, NULL, NULL, '2021-07-15 16:51:16', '刘
备','127.0.0.1','com.xls.app.controller.BookController.find','分页查询图书信息'),
(81,NULL,NULL,'2021-07-15 16:51:49','刘
备','127.0.0.1','com.xls.app.controller.BookController.find','分页查询图书信息'),
(82,NULL,NULL,'2021-07-15 16:51:53','刘
备','127.0.0.1','com.xls.app.controller.BookController.find','分页查询图书信息'),
(83,NULL,NULL,'2021-07-15 16:52:08','刘
备','127.0.0.1','com.xls.app.controller.BookController.find','分页查询图书信息'),
(84, NULL, NULL, '2021-07-15 16:52:40', '刘
备','127.0.0.1','com.xls.app.controller.BookController.find','分页查询图书信息'),
(85, NULL, NULL, '2021-07-15 16:53:18', '刘
备','127.0.0.1','com.xls.app.controller.BookController.find','分页查询图书信息'),
(86, NULL, NULL, '2021-07-16
```

```
10:53:47', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(87,NULL,NULL,'2021-07-16
10:54:35', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
统计读者喜欢借书信息'),(88,NULL,NULL,'2021-07-16
10:55:23', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
统计读者喜欢借书信息'),(89,NULL,NULL,'2021-07-16
10:56:55', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book'.'
统计读者喜欢借书信息'),(90,NULL,NULL,'2021-07-16
10:56:55', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(91,NULL,NULL,'2021-07-16
10:57:36', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike \\
统计读者喜欢借书信息'),(92,NULL,NULL,'2021-07-16
10:57:36', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike \\
Book','
统计读者喜欢借书信息'),(93,NULL,NULL,'2021-07-16
10:59:14', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(94,NULL,NULL,'2021-07-16
10:59:14', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book' '
统计读者喜欢借书信息'),(95,NULL,NULL,'2021-07-
1610:59:45', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLi
统计读者喜欢借书信息'),(96,NULL,NULL,'2021-07-16
10:59:45', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book'.'
统计读者喜欢借书信息'),(97,NULL,NULL,'2021-07-16
11:00:11','admin','127.0.0.1','com.xls.app.controller.BookController.find','分页查
询图书信
息'),(98,NULL,NULL,'2021-07-16
11:03:03', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
统计读者喜欢借书信息'),(99,NULL,NULL,'2021-07-16
11:03:03', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
统计读者喜欢借书信息'),(100,NULL,NULL,'2021-07-16
11:03:07', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book'.'
统计读者喜欢借书信息'),(101,NULL,NULL,'2021-07-16
11:03:07', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(102,NULL,NULL,'2021-07-16
11:04:18', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
统计读者喜欢借书信息'),(103,NULL,NULL,'2021-07-16
11:04:18', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book'.'
统计读者喜欢借书信息'),(104,NULL,NULL,'2021-07-16
11:04:20', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
统计读者喜欢借书信息'),(105,NULL,NULL,'2021-07-16
11:04:20', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(106,NULL,NULL,'2021-07-16
```

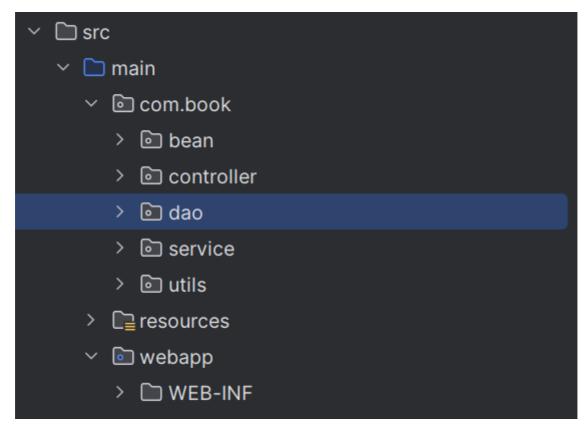
```
11:10:39', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(107,NULL,NULL,'2021-07-16
11:10:39', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
统计读者喜欢借书信息'),(108,NULL,NULL,'2021-07-16
11:11:33', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book'.'
统计读者喜欢借书信息'),(109,NULL,NULL,'2021-07-16
11:11:33', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book'.'
统计读者喜欢借书信息'),(110,NULL,NULL,'2021-07-16
11:11:35', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(111,NULL,NULL,'2021-07-16
11:13:11', \texttt{'admin'}, \texttt{'127.0.0.1'}, \texttt{'com.xls.app.controller.BorrowController.countLike}
统计读者喜欢借书信息'),(112,NULL,NULL,'2021-07-16
11:13:34', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(113,NULL,NULL,'2021-07-16
11:14:33', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(114,NULL,NULL,'2021-07-16
11:15:28', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(115,NULL,NULL,'2021-07-16
11:17:55', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
统计读者喜欢借书信息'),(116,NULL,NULL,'2021-07-16
11:20:07', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book'.'
统计读者喜欢借书信息'),(117,NULL,NULL,'2021-07-16
14:32:42', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(118,NULL,NULL,'2021-07-16
14:37:39', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
统计读者喜欢借书信息'),(119,NULL,NULL,'2021-07-16
14:48:42', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
统计读者喜欢借书信息'),(120,NULL,NULL,'2021-07-16
14:48:58', 'admin', '127.0.0.1', 'com.xls.app.controller.UsersController.changeStat
s','更改
用户状态'),(121,NULL,NULL,'2021-07-16
14:49:00', 'admin', '127.0.0.1', 'com.xls.app.controller.UsersController.changeStat
s','更改
用户状态'),(122,NULL,NULL,'2021-07-16 14:53:22','张
飞','127.0.0.1','com.xls.app.controller.BorrowController.backBook','归还图书操作'),
(123,NULL,NULL,'2021-07-16 14:53:25','张
飞','127.0.0.1','com.xls.app.controller.BorrowController.backBook','归还图书操作'),
(124,NULL,NULL,'2021-07-16 14:53:28','张
飞','127.0.0.1','com.xls.app.controller.BorrowController.backBook','归还图书操作'),
(125,NULL,NULL,'2021-07-16 14:53:30','张
飞','127.0.0.1','com.xls.app.controller.BorrowController.backBook','归还图书操作'),
(126, NULL, NULL, '2021-07-16 14:53:37', '张
飞','127.0.0.1','com.xls.app.controller.BorrowController.backBook','归还图书操作'),
(127, NULL, NULL, '2021-07-16 14:53:57', '张
飞','127.0.0.1','com.xls.app.controller.BorrowController.backBook','归还图书操作'),
(128,NULL,NULL,'2021-07-16 14:53:59','张
```

```
飞','127.0.0.1','com.xls.app.controller.BorrowController.backBook','归还图书操作'),
(129, NULL, NULL, '2021-07-16 14:54:00', '张
飞','127.0.0.1','com.xls.app.controller.BorrowController.backBook','归还图书操作'),
(130, NULL, NULL, '2021-07-16 14:54:02', '张
飞','127.0.0.1','com.xls.app.controller.BorrowController.backBook','归还图书操作'),
(131, NULL, NULL, '2021-07-16
14:54:49', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(132,NULL,NULL,'2021-07-16 14:56:10','张
飞','127.0.0.1','com.xls.app.controller.BorrowController.borrowBook','借阅图书操
作'),
(133, NULL, NULL, '2021-07-16 14:56:18', '张
飞','127.0.0.1','com.xls.app.controller.BorrowController.borrowBook','借阅图书操
作'),
(134, NULL, NULL, '2021-07-16 14:56:27', '张
飞','127.0.0.1','com.xls.app.controller.BorrowController.borrowBook','借阅图书操
(135,NULL,NULL,'2021-07-16 14:56:35','张
飞','127.0.0.1','com.xls.app.controller.BorrowController.borrowBook','借阅图书操
作'),
(136, NULL, NULL, '2021-07-16
14:56:45', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(137,NULL,NULL,'2021-07-16 14:57:05','张
飞','127.0.0.1','com.xls.app.controller.BorrowController.borrowBook','借阅图书操
作'),
(138, NULL, NULL, '2021-07-16 14:57:16', '张
飞','127.0.0.1','com.xls.app.controller.BorrowController.borrowBook','借阅图书操
作'),
(139, NULL, NULL, '2021-07-16
14:57:25', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book'.'
统计读者喜欢借书信息'),(140,NULL,NULL,'2021-07-16
14:58:22', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(141,NULL,NULL,'2021-07-16
14:58:29', 'admin', '127.0.0.1', 'com.xls.app.controller.BookController.find', '分页查
息'),(142,NULL,NULL,'2021-07-17
11:18:00', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
统计读者喜欢借书信息'),(143,NULL,NULL,'2021-07-17
11:41:50', 'admin', '127.0.0.1', 'com.xls.app.controller.BookController.find', '分页查
询图书信
息'),(144,NULL,NULL,'2021-07-17
11:42:19', 'admin', '127.0.0.1', 'com.xls.app.controller.BookController.find', '分页查
询图书信
息'),(145,NULL,NULL,'2021-07-17
11:44:17', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
统计读者喜欢借书信息'),(146,NULL,NULL,'2021-07-17
13:59:53', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book'.'
统计读者喜欢借书信息'),(147,NULL,NULL,'2021-07-19
17:00:54', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book'.'
统计读者喜欢借书信息'),(148,NULL,NULL,'2021-07-19
17:01:07', 'admin', '127.0.0.1', 'com.xls.app.controller.UsersController.changeStat
s','更改
用户状态'),(149,NULL,NULL,'2021-07-19
```

```
17:01:10', 'admin', '127.0.0.1', 'com.xls.app.controller.UsersController.changeStat
s','更改
用户状态'),(150,NULL,NULL,'2021-07-27
17:03:03', 'admin', '127.0.0.1', 'com.xls.app.controller.BookController.find', '分页查
息'),(151,NULL,NULL,'2021-07-27
17:03:30', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
统计读者喜欢借书信息'),(152,NULL,NULL,'2021-07-27 17:04:26','张
飞','127.0.0.1','com.xls.app.controller.BorrowController.backBook','归还图书操作'),
(153, NULL, NULL, '2021-07-27 17:04:27', '张
飞','127.0.0.1','com.xls.app.controller.BorrowController.backBook','归还图书操作'),
(154,NULL,NULL,'2021-07-27 17:04:29','张
飞','127.0.0.1','com.xls.app.controller.BorrowController.backBook','归还图书操作'),
(155, NULL, NULL, '2021-07-27 17:05:20', '张
飞','127.0.0.1','com.xls.app.controller.BorrowController.borrowBook','借阅图书操
作!).
(156,NULL,NULL,'2021-07-27 17:05:26','张
飞','127.0.0.1','com.xls.app.controller.BorrowController.backBook','归还图书操作'),
(157, NULL, NULL, '2021-07-27 17:05:57', '张
飞','127.0.0.1','com.xls.app.controller.BorrowController.borrowBook','借阅图书操
作'),
(158, NULL, NULL, '2021-07-27 17:06:04', '张
飞','127.0.0.1','com.xls.app.controller.BorrowController.borrowBook','借阅图书操
作'),
(159, NULL, NULL, '2021-07-27 17:06:40', '刘
备','127.0.0.1','com.xls.app.controller.BookController.find','分页查询图书信息'),
(160, NULL, NULL, '2021-07-27 17:07:21', '刘
备','127.0.0.1','com.xls.app.controller.BookController.find','分页查询图书信息'),
(161, NULL, NULL, '2021-07-27
17:16:12', 'admin', '127.0.0.1', 'com.xls.app.controller.BookController.find', '分页查
询图书信
息'),(162,NULL,NULL,'2021-07-27
17:16:42', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(163,NULL,NULL,'2021-07-27
17:20:00', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
统计读者喜欢借书信息'),(164,NULL,NULL,'2021-07-30
14:38:08', 'admin', '127.0.0.1', 'com.xls.app.controller.BookController.find', '分页查
息'),(165,NULL,NULL,'2021-07-30
14:39:22', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(166,NULL,NULL,'2021-08-02
14:21:24', 'admin', '127.0.0.1', 'com.xls.app.controller.BorrowController.countLike
Book','
统计读者喜欢借书信息'),(167,NULL,NULL,'2021-08-02
14:21:28','admin','127.0.0.1','com.xls.app.controller.BookController.find','分页查
询图书信
息'),(168,NULL,NULL,'2021-08-12 11:08:27','管理
员','127.0.0.1','com.xls.app.controller.UsersController.update','更新用户信息'),
(169,NULL,NULL,'2021-08-12 11:09:15','管理
员','127.0.0.1','com.xls.app.controller.UsersController.update','更新用户信息'),
(170, NULL, NULL, '2021-08-12 11:10:24', '管理
员','127.0.0.1','com.xls.app.controller.UsersController.update','更新用户信息'),
(171,NULL,NULL,'2021-08-12 11:10:27','管理
员','127.0.0.1','com.xls.app.controller.UsersController.update','更新用户信息'),
(172, NULL, NULL, '2021-08-12 11:10:40', '管理
员','127.0.0.1','com.xls.app.controller.UsersController.update','更新用户信息'),
```

```
(173, NULL, NULL, '2021-08-12 11:11:39', '管理
员','127.0.0.1','com.xls.app.controller.UsersController.update','更新用户信息'),
(174,NULL,NULL,'2021-08-12 11:12:56','管理
员','127.0.0.1','com.xls.app.controller.UsersController.update','更新用户信息'),
(175,NULL,NULL,'2021-08-12 11:13:12','管理
员','127.0.0.1','com.xls.app.controller.UsersController.update','更新用户信息'),
(176, NULL, NULL, '2021-08-12 14:16:45', '管理
员','127.0.0.1','com.xls.app.controller.UsersController.update','更新用户信息'),
(177, NULL, NULL, '2021-08-12 14:16:46', '管理
员','127.0.0.1','com.xls.app.controller.UsersController.update','更新用户信息'),
(178,NULL,NULL,'2021-08-12 16:17:12','管理
员','127.0.0.1','com.xls.app.controller.UsersController.update','更新用户信息'),
(179, NULL, NULL, '2021-08-12 16:17:13', '管理
员','127.0.0.1','com.xls.app.controller.UsersController.update','更新用户信息');
/*Table structure for table `users` */
DROP TABLE IF EXISTS `users`;
CREATE TABLE `users` (
`uid` INT NOT NULL AUTO_INCREMENT,
`password` VARCHAR(200) COLLATE utf8_bin DEFAULT '000000',
`uname` VARCHAR(50) CHARACTER SET utf8 COLLATE utf8_bin DEFAULT NULL,
`images` TEXT CHARACTER SET utf8 COLLATE utf8_bin,
`stats` TINYINT(1) DEFAULT '1' COMMENT '0表示启用、1禁用状态',
`deleted` INT DEFAULT '1',
`createtime` VARCHAR(30) CHARACTER SET utf8 COLLATE utf8_bin DEFAULT NULL,
`modifytime` VARCHAR(30) CHARACTER SET utf8 COLLATE utf8_bin DEFAULT
NULL, PRIMARY KEY (`uid`)
) ENGINE=INNODB AUTO_INCREMENT=6 DEFAULT CHARSET=utf8 COLLATE=utf8_bin;
/*Data for the table `users` */
INSERT INTO
`users`(`uid`,`password`,`uname`,`images`,`stats`,`deleted`,`createtime`,`modify
time`)
VALUES (1,'000000','张
'2021-08-12 14:16:46'),(2,'000000','李
逵','https://img2.baidu.com/it/u=661539886,3900694712&fm=26&fmt=auto&gp=0.jpg',1,
0.NULL,
'2021-08-12 14:16:45'),
(3,'000000','admin','https://img1.baidu.com/it/u=3960132582,584653904&fm=15&fmt=
auto&gp
=0.jpg',1,0,NULL,NULL),(4,'000000','対
备','https://img1.baidu.com/it/u=3960132582,584653904&fm=15&fmt=auto&gp=0.jpg',1,
-06-24 09:27:02','2021-08-12 16:17:13'),(5,'000000','嬴
政','https://img1.baidu.com/it/u=2179921797,2025214210&fm=26&fmt=auto&gp=0.jpg',1
1-06-24 14:48:53','2021-06-26 09:29:31');
/*!40101 SET SQL_MODE=@OLD_SQL_MODE */;
/*!40014 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS */;
/*!40014 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS */;
/*!40111 SET SQL_NOTES=@OLD_SQL_NOTES */
```

第二节: 图书借阅工程目录结构及开发环境构建



2.1: 工程pom配置文件

```
<dependencies>
       <!--
             springmvc依赖包-->
       <dependency>
          <groupId>org.springframework
          <artifactId>spring-webmvc</artifactId>
          <version>5.3.31
       </dependency>
       <!-- spring集成jdbc依赖包-->
       <dependency>
          <groupId>org.springframework</groupId>
          <artifactId>spring-jdbc</artifactId>
          <version>5.3.31
       </dependency>
       <!-- spring集成mybatis依赖包-->
       <dependency>
          <groupId>org.mybatis
          <artifactId>mybatis-spring</artifactId>
          <version>3.0.0
       </dependency>
       <!--
               spring集成mysql数据库驱动-->
       <dependency>
          <groupId>com.mysql</groupId>
          <artifactId>mysql-connector-j</artifactId>
          <version>8.0.33
       </dependency>
                 spring集成谷歌json-->
       <dependency>
          <groupId>com.google.code.gson
          <artifactId>gson</artifactId>
          <version>2.9.1
       </dependency>
```

```
<!-- spring集成lombok包-->
   <dependency>
       <groupId>org.projectlombok</groupId>
       <artifactId>lombok</artifactId>
       <version>1.18.28
   </dependency>
            spring事务依赖包-->
   <!--
   <dependency>
       <groupId>org.springframework
       <artifactId>spring-tx</artifactId>
       <version>5.3.31
   </dependency>
   <!--
            spring集成阿里数据源-->
   <dependency>
       <groupId>com.alibaba
       <artifactId>druid</artifactId>
       <version>1.1.15
   </dependency>
</dependencies>
```

2.2.工程web.xml配置

```
<!DOCTYPE web-app PUBLIC</pre>
       "-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN"
       "http://java.sun.com/dtd/web-app_2_3.dtd" >
<web-app>
   <servlet>
       <servlet-name>dispatcherServlet
       <servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>
           <param-name>contextConfigLocation</param-name>
           <param-value>WEB-INF/springmvc.xml</param-value>
       </init-param>
   </servlet>
   <servlet-mapping>
       <servlet-name>dispatcherServlet</servlet-name>
       <url-pattern>/</url-pattern>
   </servlet-mapping>
</web-app>
```

2.2.工程springmvc.xml配置

```
<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:context="http://www.springframework.org/schema/context"
    xmlns:mvc="http://www.springframework.org/schema/mvc"
    xsi:schemaLocation="
    http://www.springframework.org/schema/beans
    http://www.springframework.org/schema/beans/spring-beans.xsd
    http://www.springframework.org/schema/context
    https://www.springframework.org/schema/context/spring-context.xsd
    http://www.springframework.org/schema/mvc
    https://www.springframework.org/schema/mvc
    https://www.springframework.org/schema/mvc/spring-mvc.xsd">
    <context:component-scan base-package="com.book.controller"/>
    <mvc:annotation-driven/>
    </beans>
```

第三节: 图书借阅数据分析系统框架集成

3.1: application配置文件

```
<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"</pre>
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xmlns:context="http://www.springframework.org/schema/context"
xmlns:tx="http://www.springframework.org/schema/tx"
      xsi:schemaLocation="http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans.xsd
http://www.springframework.org/schema/context
http://www.springframework.org/schema/context/spring-context.xsd
http://www.springframework.org/schema/tx
http://www.springframework.org/schema/tx/spring-tx.xsd">
           配置spring上下文扫描业务层-->
   <!--
   <context:component-scan base-package="com.book.service"/>
           配置spring容器管理数据源-->
   <bean id="dataSource" class="com.alibaba.druid.pool.DruidDataSource">
       cproperty name="url" value="jdbc:mysql:///book"/>
       roperty name="username" value="root"/>
       roperty name="password" value="123456"/>
       </bean>
   <!--配置spring容器管理SqlSessionFactory-->
   <bean class="org.mybatis.spring.SqlSessionFactoryBean">
       roperty name="dataSource" ref="dataSource"/>
       property name="mapperLocations" value="classpath:mapper/*.xml"/>
   </bean>
   <!-- 配置spring容器管理数据访问层-->
   <bean class="org.mybatis.spring.mapper.MapperScannerConfigurer">
       cproperty name="basePackage" value="com.book.dao"/>
   </bean>
   <!--事务管理器-->
   <bean id="transactionManager"</pre>
         class="org.springframework.jdbc.datasource.DataSourceTransactionManager">
       cproperty name="dataSource" ref="dataSource"/>
   </bean>
   <!--开启事务注解支持-->
   <tx:annotation-driven/>
</beans>
```

3.2、数据访问层接口:

```
package com.book.dao;
import com.book.bean.Book;
import org.springframework.stereotype.Repository;
import java.util.List;
@Repository
public interface BookDao {
    List<Book> list();
}
```

3.3、数据访问层接口:

3.4、业务层接口

```
package com.book.service;
import com.book.bean.Book;
import java.util.List;
public interface Bookservice {
   List<Book>list();
}
```

3.5、业务层接口实现类

```
package com.book.service.impl;
import com.book.bean.Book;
import com.book.dao.BookDao;
import com.book.service.BookService;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;
import org.springframework.transaction.annotation.Transactional;
import java.util.List;
@service
@Transactional
public class BookServiceImpl implements BookService {
    @Autowired
    private BookDao bookDao;
    public List<Book> list() {
        return bookDao.list();
}
```

3.6、控制器层类

```
package com.book.controller;
import com.book.bean.Book;
import com.book.service.BookService;
import com.book.utils.CommonResult;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.web.bind.annotation.CrossOrigin;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RestController;
import java.util.List;
@RestController
@RequestMapping("/book")
@CrossOrigin
public class BookController {
    @Autowired
```

```
private BookService bookService;

@RequestMapping("/list")
public CommonResult list() {
    List<Book> list = bookService.list();
    return CommonResult.success(list);
}
```