课程回顾

1 javaWeb实现CRUD实现,步骤具体有

```
1 1.分析实现需求,底层使用SQL语句
2 新增: insert 表 values(?,?,?,?)
3 2.表--->domain包实体类
   2-1 属性名和查询SQL语句查询结果集列名不一致
   查询SQL: select book_code code
    实体类: book_Code
6
   提供有参构造方法:
    没有手动添加无参构造方法
10 3.dao层: JDBC代码
   接口+实现类
11
12 4.建议:单元测试,确认dao没有问题
13 5.service层:
   接口+实现类
15 6.建议:单元测试,确认service没有问题
16
17 7.设计出来, JSP
18 JSP需要将数据提交Servlet
19
20 8.Servlet处理请求:
    取
21
22
23
    response写响应体
24
25
```

课程目标

1 新增 ==== 掌握

扩展: 简化数据提交时, 在Servlet获取数据代码

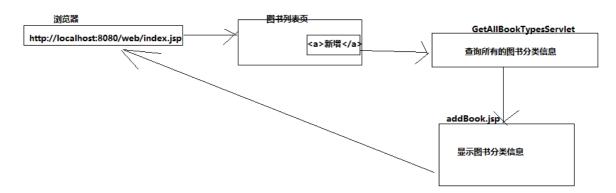
BeanUtils工具

- 2 修改 ==== 难点
- 3 模糊查询+分页

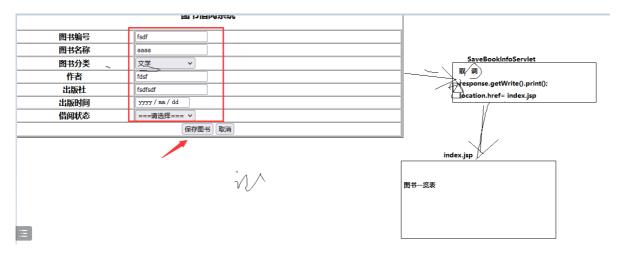
课程实施

1新增

1-1 新增业务流程



1-2 进入新增jsp页面的代码



daoの图书分类查询

```
1
    package cn.kgc.dao.impl;
 2
    import cn.kgc.dao.BookTypeDao;
 4
    import cn.kgc.domain.BookType;
 5
    import cn.kgc.util.JDBCUtil;
    import org.apache.commons.dbutils.QueryRunner;
 6
 7
    import org.apache.commons.dbutils.handlers.BeanListHandler;
 8
9
    import java.sql.SQLException;
    import java.util.List;
10
11
    /**
12
13
     * @Author: 1c
14
     * @Date: 2022/5/20
     * @Description: cn.kgc.dao.impl
15
     * @version: 1.0
16
17
     */
    public class BookTypeDaoImpl implements BookTypeDao {
18
19
        private QueryRunner qr=new QueryRunner(JDBCUtil.datasource);
        @override
20
        public List<BookType> selectAll() {
21
22
            try {
                return qr.query("select id,type_name from book_type",
23
24
                         new BeanListHandler<>(BookType.class));
25
            } catch (SQLException e) {
                throw new RuntimeException(e);
26
```

```
27 | }
28 | }
29 |}
```

serviceの获取所有的图书分类

```
package cn.kgc.service.impl;
 2
 3
    import cn.kgc.dao.BookTypeDao;
    import cn.kgc.dao.impl.BookTypeDaoImpl;
 4
 5
    import cn.kgc.domain.BookType;
    import cn.kgc.service.BookTypeService;
 6
 8
    import java.util.List;
 9
    /**
10
    * @Author: 1c
11
     * @Date: 2022/5/20
12
13
    * @Description: cn.kgc.service.impl
    * @version: 1.0
14
15
     */
16
    public class BookTypeServiceImpl implements BookTypeService {
        private BookTypeDao dao=new BookTypeDaoImpl();
17
18
        public List<BookType> getAllBookTypes() {
19
20
            return dao.selectAll();
21
        }
22
    }
```

Servletの获取所有的图书分类转发给新增jsp显示

```
package cn.kgc.controller; /**
2
    * @Author: lc
3
    * @Date: 2022/5/20
    * @Description: ${PACKAGE_NAME}
4
    * @Version: 1.0
5
    */
6
7
8
    import cn.kgc.domain.BookType;
9
    import cn.kgc.service.impl.BookTypeServiceImpl;
10
11
    import javax.servlet.*;
12
    import javax.servlet.http.*;
13
    import javax.servlet.annotation.*;
    import java.io.IOException;
14
    import java.util.List;
15
16
    @webServlet("/GetBookTypesServlet")
17
18
    public class GetBookTypesServlet extends HttpServlet {
19
       @override
20
        protected void doGet(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException {
21
           //取 略
22
           //调 查询所有的图书分类的信息
23
           //实现jsp上面,外键约束的列值来源于主表的主键数据
24
```

```
25
            List<BookType> allBookTypes = new
    BookTypeServiceImpl().getAllBookTypes();
26
            request.setAttribute("bookTypes", allBookTypes);
27
28
            //转
29
    request.getRequestDispatcher("/addBook.jsp").forward(request, response);
30
        }
31
32
        @override
33
        protected void doPost(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException {
34
            doGet(request, response);
        }
35
36
    }
```

addBook.jspの显示所有的图书分类

```
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
2
   <%--jst1依赖--%>
3
   <%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
4
   <html>
   <head>
6
      <title>图书借阅系统</title>
7
   </head>
8
   <body>
9
   <%--
10
   新增、修改通常表单提交,提交方式: post方式
11
   <form action="${pageContext.servletContext.contextPath}/AddBookInfoServlet"</pre>
12
   method="post">
13
      14
         15
               <h3 align="center">图书借阅系统</h3>
16
               17
18
                  19
                     图书编号
20
                     21
                        <%--
22
                        EL{}没有NULL,
23
                        <input type="text" name="book_code"/>
24
25
                     26
27
                  28
                     图书名称
29
                     30
                        <input type="text" name="book_name"/>
                     31
32
                  33
34
                     图书分类
35
                     <select name="book_type">
36
37
                           <option value="">===请选择===</option>
38
                         <%-- 获取Request域中的图书分类集合 --%>
```

```
<c:forEach var="type" items="${bookTypes}">
39
40
                               <option
   value="${type.id}">${type.type_name}</option>
41
                            </c:forEach>
42
                         </select>
43
                      44
                   45
                   46
                      作者
47
                         <input type="text" name="book_author"/>
48
49
                      50
                   51
                   52
                      出版社
53
                      54
                         <input type="text" name="publish_press"/>
55
                      56
                   57
                   58
                      出版时间
59
                      60
                         <%--
61
                            date是表单项,提供日期选择的标签
62
                         <input type="date" name="publish_date"/>
63
64
                      65
                   66
                   67
                      借阅状态
68
                      69
                         <select name="is_borrow">
                            <option value="">===请选择===</option>
70
71
                            <option value="false">未借阅</option>
72
                            <option value="true">已借阅</option>
                         </select>
73
74
                      75
                   76
                   77
                      78
                         <input type="submit" value="保存图书" />
                         <input type="reset" value="取消" />
79
80
                      81
               82
83
            84
         85
  </form>
86
87
   </body>
   </html>
88
```

1-3 实现新增功能的代码

daoの执行insert语句

```
@Override
 1
 2
        public int insert(BookInfo book) {
 3
            StringBuilder sb=new StringBuilder();
            sb.append("insert book_info values ");
 4
 5
            sb.append("(NULL,?,?,?,?,?,?)");//主键: null默认填入自增长 手动填入主
    键
 6
            try {
 7
                return qr.update(sb.toString(),
 8
                        book.getBook_code(),
9
                        book.getBook_name(),
10
                        book.getBook_type(),
                        book.getBook_author(),
11
12
                        book.getPublish_press(),
13
                        book.getPublish_date(),
14
                        //isIs_borrow getter针对boolean列自动生成的方法命名规范
15
                        book.isIs_borrow());
16
            } catch (SQLException e) {
17
                throw new RuntimeException(e);
18
            }
19
        }
```

serviceの实现新增功能

```
1  @Override
2  public boolean add(BookInfo book) {
3     return dao.insert(book)==1;
4  }
```

Servletの获取表单数据, 执行insert功能

```
package cn.kgc.controller; /**
 1
 2
     * @Author: lc
 3
     * @Date: 2022/5/20
     * @Description: ${PACKAGE_NAME}
 4
 5
     * @version: 1.0
 6
     */
 7
 8
    import cn.kgc.domain.BookInfo;
 9
    import cn.kgc.service.impl.BookInfoServiceImpl;
10
11
    import javax.servlet.ServletException;
12
    import javax.servlet.annotation.WebServlet;
    import javax.servlet.http.HttpServlet;
13
14
    import javax.servlet.http.HttpServletRequest;
    import javax.servlet.http.HttpServletResponse;
15
    import java.io.IOException;
16
17
    import java.io.PrintWriter;
    import java.text.SimpleDateFormat;
18
19
    import java.util.Date;
20
    @webServlet("/AddBookInfoServlet")
21
```

```
22
    public class AddBookInfoServlet extends HttpServlet {
23
        @override
        protected void doGet(HttpServletRequest request, HttpServletResponse
24
    response) throws ServletException, IOException {
25
            request.setCharacterEncoding("utf-8");
            response.setContentType("text/html;charset=utf-8");
26
27
            //取
28
            String book_code = request.getParameter("book_code");
            String book_name = request.getParameter("book_name");
29
30
            String book_typeStr = request.getParameter("book_type");
            String book_author = request.getParameter("book_author");
31
32
            String publish_press = request.getParameter("publish_press");
            String publish_dateStr = request.getParameter("publish_date");
33
            String is_borrowStr = request.getParameter("is_borrow");
34
35
            //String-->其他类型
36
37
            Integer book_type = null;
38
            try {
39
                book_type = Integer.valueOf(book_typeStr);
40
                //Integer.parseInt(book_typeStr);
            } catch (Exception e) {
41
                //空着
42
43
            }
44
45
            Date publish_date = null;
46
            try {
47
                SimpleDateFormat sdf=new SimpleDateFormat("yyyy/MM/dd");
                publish_date = sdf.parse(publish_dateStr);
48
49
            } catch (Exception e) {
50
51
            }
52
            Boolean is_borrow=null;
53
            try {
54
                is_borrow = Boolean.valueOf(is_borrowStr);
55
            } catch (Exception e) {
56
57
            }
58
            // 调
59
            BookInfo book=new BookInfo();
60
            book.setBook_code(book_code);
61
            book.setBook_name(book_name);
63
            book.setPublish_press(publish_press);
64
            book.setBook_author(book_author);
65
            book.setBook_type(book_type);
66
            book.setPublish_date(publish_date);
            book.setIs_borrow(is_borrow);
68
69
            boolean bool = new BookInfoServiceImpl().add(book);
70
            //响应体的方式, alert()
71
72
            PrintWriter writer = response.getWriter();
            writer.print("<script type='text/javascript'>alert('"+(bool?"添加成
73
    功":"添加失败")+"');</script>");
74
            if(bool){
75
                //重定向 302
76
                //getServletContext().getContextPath()获取服务器上发布项目的名称
```

```
77
    //response.sendRedirect(getServletContext().getContextPath()+"/index.jsp");
78
                writer.print("<script</pre>
    type='text/javascript'>location.href='"+getServletContext().getContextPath()
    +"/index.jsp';</script>");
79
            }
80
        }
81
82
        @override
83
        protected void doPost(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException \{
84
            doGet(request, response);
85
        }
86 }
```

扩展: 表单数据的快速封装

日期转换器

```
//针对日期格式,日期格式转换器
DateConverter converter=new DateConverter();
converter.setPatterns(new String[]{"yyyy-MM-dd","yyyyyfMMdd","yyyyfMMfdd"});
ConvertUtils.register(converter,java.util.Date.class);

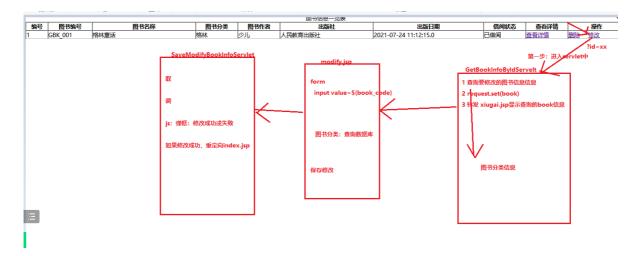
BeanUtils.populate(book,request.getParameterMap());
```

实现form数据快速封装为Bean对象

```
1 BookInfo book=new BookInfo();
   //亲力亲为赋值,借助BeanUtils对象,简化亲力亲为赋值的过程
 2
 3 try {
       //针对日期格式,日期格式转换器
 4
 5
       DateConverter converter=new DateConverter();
6
       converter.setPatterns(new String[]{"yyyy-MM-dd","yyyyMMdd","yyyy年MM月dd
    目","yyyy/MM/dd"});
7
       ConvertUtils.register(converter, java.util.Date.class);
8
9
       BeanUtils.populate(book,request.getParameterMap());
10
       System.out.println(book);
11 } catch (Exception e) {
       throw new RuntimeException(e);
12
13
   }
```

2 修改

2-1 修改实现流程



2-2 实现修改图书的数据显示

daoの根据主键查询要修改的图书信息

```
1
        @override
 2
        public BookInfo selectByPkId(Integer id) {
 3
            StringBuilder sb=new StringBuilder();
            sb.append("SELECT book_info.book_id id,book_info.book_code,");
 4
 5
            sb.append("book_info.book_name,book_info.book_type,");
 6
            sb.append("book_info.book_author,book_info.publish_press,");
 7
            sb.append("book_info.publish_date,book_info.is_borrow");
            sb.append(" FROM book_info ");
 8
9
            sb.append(" where book_info.book_id=?");
10
            try {
11
                return qr.query(sb.toString(), new BeanHandler<>
    (BookInfo.class), id);
            } catch (SQLException e) {
12
                throw new RuntimeException(e);
13
14
            }
15
        }
```

serviceの获取修改的图书信息

```
1
        package cn.kgc.service.impl;
 2
 3
        import cn.kgc.dao.BookInfoDao;
 4
        import cn.kgc.dao.impl.BookInfoDaoImpl;
 5
        import cn.kgc.domain.BookInfo;
 6
        import cn.kgc.service.BookInfoService;
8
        import java.util.List;
9
        /**
10
         * @Author: 1c
11
         * @Date: 2022/5/17
12
13
         * @Description: cn.kgc.service.impl
         * @Version: 1.0
14
         */
15
        public class BookInfoServiceImpl implements BookInfoService {
16
17
            private BookInfoDao dao=new BookInfoDaoImpl();
18
19
            @override
```

```
public BookInfo findBookInfoBy(Integer id) {
    return dao.selectByPkId(id);
}

}
```

Servletの获取图书分类、要修改的图书信息存入域对象,转发给修改jsp显示

```
package cn.kgc.controller; /**
 2
     * @Author: 1c
 3
     * @Date: 2022/5/20
     * @Description: ${PACKAGE_NAME}
 4
     * @version: 1.0
     */
 6
 7
    import cn.kgc.domain.BookInfo;
 8
 9
    import cn.kgc.domain.BookType;
    import cn.kgc.service.impl.BookInfoServiceImpl;
10
11
    import cn.kgc.service.impl.BookTypeServiceImpl;
12
13
    import javax.servlet.*;
14
    import javax.servlet.http.*;
    import javax.servlet.annotation.*;
15
16
    import java.io.IOException;
    import java.util.List;
17
18
19
    @webServlet("/GetModifyBookInfoServlet")
    public class GetModifyBookInfoServlet extends HttpServlet {
20
21
22
        protected void doGet(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException {
23
            //取
            String idStr = request.getParameter("id");
24
25
            //套路:
            Integer id=null;
26
27
            try {
28
                id = Integer.valueOf(idStr);
29
            } catch (Exception e) {
30
            }
31
            //调用
            //1-1 获取要显示图书信息
32
33
            BookInfo book = new BookInfoServiceImpl().findBookInfoBy(id);
34
            //1-2 获取图书分类信息
35
            List<BookType> allBookTypes = new
    BookTypeServiceImpl().getAllBookTypes();
36
37
            //存
            request.setAttribute("book",book);
38
39
            request.setAttribute("types",allBookTypes);
40
41
            //转发
42
    request.getRequestDispatcher("/modify.jsp").forward(request, response);
43
        }
44
45
        @override
```

```
protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
    doGet(request, response);
}
```

modify.jspの显示要修改的图书信息

```
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
   <%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
2
3
   <html>
   <head>
4
       <meta charset="UTF-8">
6
      <title>修改图书信息</title>
7
   </head>
8
9
   <body>
10
   <form
   action="${pageContext.servletContext.contextPath}/SaveModifyBookInfoServlet"
   method="post">
      <%--隐藏域--%>
11
      <input type="hidden" value="${book.id}" name="id">
12
       13
14
          15
             <h3 align="center">图书借阅系统</h3>
16
17
                 18
                    19
                       图书编号
20
                       <input type="text" name="book_code"</pre>
21
   value="${book.book_code}" />
                       22
23
                    24
                    25
                       图书名称
26
                       27
                          <input type="text" name="book_name"</pre>
   value="${book.book_name}" />
28
                       29
                    30
                    31
                       图书分类
32
                       33
                           <select name="book_type">
                              <option value="">===请选择===</option>
34
35
                              <%--
                              1.循环,将所有的图书分类显示
36
37
                              2.根据修改的图书分类,设置默认的选中项
38
                              <c:forEach items="${types}" var="type">
39
40
                                 <option value="${type.id}"</pre>
41
                                   <c:if
   test="${book.book_type==type.id}">
42
                                        selected
43
                                   </c:if>
44
                                 >${type.type_name}</option>
```

```
45
                              </c:forEach>
46
                           </select>
47
                        48
                    49
                    50
                       作者
51
                       <input type="text" name="book_author"</pre>
52
   value="${book.book_author}"/>
53
                        54
                    55
                    56
                       出版社
57
                       <input type="text" name="publish_press"</pre>
58
   value="${book.publish_press}"/>
59
                       60
                    61
                    62
                        出版时间
63
                       64
                           <input type="date" name="publish_date"</pre>
   value="${book.publish_date}"/>
65
                       66
                    67
                    借阅状态
68
69
                        70
                           <select name="is borrow">
                              <option value="">===请选择===</option>
71
                              <option value="false"</pre>
72
73
                                  <c:if test="${book.is_borrow==false}">
74
                                     selected
75
                                  </c:if>
76
                              >未借阅</option>
                              <option value="true"</pre>
77
78
                               <c:if test="${book.is_borrow==true}">
79
                                  selected
                              </c:if>
80
81
                              >已借阅</option>
82
                           </select>
                       83
84
                    85
                    86
87
                           <input type="submit" value="保存修改" />
                           <input type="reset" value="取消"/>
88
89
                       90
                 91
92
             93
          94
   </form>
95
96
   </body>
97
   </html>
98
```

2-3 实现修改保存数据

daoの根据主键修改图书信息

```
@override
 1
 2
        public int update(BookInfo book) {
 3
            StringBuilder sb=new StringBuilder();
 4
            sb.append("update book_info set ");
 5
            sb.append(" book_code=?,book_name=?,book_type=?,book_author=?,");
 6
            sb.append(" publish_press=?,publish_date=?,is_borrow=? where
    book_id=?");
 7
            try {
 8
                return qr.update(sb.toString(),book.getBook_code(),
 9
                         book.getBook_name(),
10
                         book.getBook_type(),
                         book.getBook_author(),
11
12
                         book.getPublish_press(),
13
                         book.getPublish_date(),
14
                         //isIs_borrow getter针对boolean列自动生成的方法命名规范
15
                         book.isIs_borrow(),
16
                         book.getId());
17
            } catch (SQLException e) {
                throw new RuntimeException(e);
18
19
            }
        }
20
```

serviceの实现图书修改

```
1
        package cn.kgc.service.impl;
 2
 3
        import cn.kgc.dao.BookInfoDao;
 4
         import cn.kgc.dao.impl.BookInfoDaoImpl;
 5
         import cn.kgc.domain.BookInfo;
 6
        import cn.kgc.service.BookInfoService;
 7
 8
        import java.util.List;
 9
10
        /**
11
         * @Author: lc
12
         * @Date: 2022/5/17
13
         * @Description: cn.kgc.service.impl
14
         * @Version: 1.0
15
16
        public class BookInfoServiceImpl implements BookInfoService {
             private BookInfoDao dao=new BookInfoDaoImpl();
17
18
19
            @override
            public boolean modify(BookInfo book) {
20
21
                 return dao.update(book)==1;
22
            }
        }
23
24
```

modify.jsp页面设计の隐藏域的设计

```
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
1
2
   <%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
3
   <html>
   <head>
4
      <meta charset="UTF-8">
6
      <title>修改图书信息</title>
7
   </head>
8
9
   <body>
10
   <form
   action="${pageContext.servletContext.contextPath}/SaveModifyBookInfoServlet"
   method="post">
      <%--隐藏域--%>
11
12
      <input type="hidden" value="${book.id}" name="id">
13
      14
          15
             16
                <h3 align="center">图书借阅系统</h3>
17
                 18
                    19
                       图书编号
20
                       <input type="text" name="book_code"</pre>
21
   value="${book.book_code}" />
22
                       23
                    24
                    25
                       图书名称
26
                       27
                          <input type="text" name="book_name"</pre>
   value="${book.book_name}" />
                       28
29
                    30
                    图书分类
31
32
                       33
                          <select name="book_type">
34
                              <option value="">===请选择===</option>
                              <%--
35
36
                              1.循环,将所有的图书分类显示
37
                              2.根据修改的图书分类,设置默认的选中项
38
39
                              <c:forEach items="${types}" var="type">
40
                                 <option value="${type.id}"</pre>
41
                                   <c:if
   test="${book.book_type==type.id}">
42
                                        selected
43
                                   </c:if>
44
                                 >${type.type_name}</option>
                              </c:forEach>
45
                          </select>
46
47
                       48
                    49
                    50
                       作者
```

```
51
                        52
                           <input type="text" name="book_author"</pre>
   value="${book.book_author}"/>
53
54
                     55
                     56
                        出版社
57
                        58
                            <input type="text" name="publish_press"</pre>
   value="${book.publish_press}"/>
59
                        60
                     61
                     62
                        出版时间
63
                            <input type="date" name="publish_date"</pre>
64
   value="${book.publish_date}"/>
                        65
66
                     67
                     借阅状态
68
69
                        70
                            <select name="is_borrow">
71
                               <option value="">===请选择===</option>
72
                               <option value="false"</pre>
                                   <c:if test="${book.is_borrow==false}">
73
74
                                      selected
75
                                   </c:if>
76
                               >未借阅</option>
                               <option value="true"</pre>
                                <c:if test="${book.is_borrow==true}">
78
79
                                   selected
                               </c:if>
80
81
                               >已借阅</option>
82
                            </select>
83
                        84
                     85
                     86
                        87
                            <input type="submit" value="保存修改" />
88
                            <input type="reset" value="取消"/>
89
                        90
                     91
                 92
93
          94
95
   </form>
96
   </body>
97
   </html>
```

Servletの获取修改后的图书信息并修改

```
package cn.kgc.controller; /**

    * @Author: lc

    * @Date: 2022/5/20

    * @Description: ${PACKAGE_NAME}
```

```
* @version: 1.0
 5
 6
 7
 8
    import cn.kgc.domain.BookInfo;
 9
    import cn.kgc.service.impl.BookInfoServiceImpl;
10
    import org.apache.commons.beanutils.BeanUtils;
11
    import org.apache.commons.beanutils.ConvertUtils;
12
    import org.apache.commons.beanutils.converters.DateConverter;
13
14
    import javax.servlet.ServletException;
15
    import javax.servlet.annotation.WebServlet;
    import javax.servlet.http.HttpServlet;
16
17
    import javax.servlet.http.HttpServletRequest;
    import javax.servlet.http.HttpServletResponse;
18
19
    import java.io.IOException;
    import java.io.PrintWriter;
21
22
    @webServlet("/SaveModifyBookInfoServlet")
    public class SaveModifyBookInfoServlet extends HttpServlet {
23
24
        @override
25
        protected void doGet(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException {
26
            request.setCharacterEncoding("utf-8");
27
            response.setContentType("text/html;charset=utf-8");
28
            //扩展:
29
            BookInfo book=new BookInfo();
            //亲力亲为赋值,借助BeanUtils对象,简化亲力亲为赋值的过程
30
31
            try {
32
                //针对日期格式,日期格式转换器
33
                DateConverter converter=new DateConverter();
34
                converter.setPatterns(new String[]{"yyyy-MM-dd","MM-dd-
    yyyy","yyyyMMdd","yyyy年MM月dd日","yyyy/MM/dd"});
35
                ConvertUtils.register(converter, java.util.Date.class);
36
37
                BeanUtils.populate(book,request.getParameterMap());
38
                System.out.println(book);
39
            } catch (Exception e) {
                throw new RuntimeException(e);
40
41
            }
42
            boolean bool= new BookInfoServiceImpl().modify(book);
43
44
            //响应体的方式, alert()
45
            PrintWriter writer = response.getWriter();
46
            writer.print("<script type='text/javascript'>alert('"+(bool?"修改成
    功":"修改失败")+"');</script>");
47
            if(bool){
                //重定向 302
48
                //getServletContext().getContextPath()获取服务器上发布项目的名称
49
50
     //response.sendRedirect(getServletContext().getContextPath()+"/index.jsp");
51
                writer.print("<script</pre>
    type='text/javascript'>location.href='"+getServletContext().getContextPath()
    +"/index.jsp';</script>");
52
            }
53
        }
54
55
        @override
```

```
protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
    doGet(request, response);
}
```

常见异常

```
java.lang.RuntimeException: java.sql.SQLException: You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'FROM book_info where book_info.book_id=1' at line 1 Query; SELECT book info.book id id,book_info.book_code,book_info.book_info.book_info.book_author,book_info.publish_press,book_info.publish_date, book_info.is_borrow, FROM book_info where book_info.book_id=? Parameters: [1]

at cn.kgc.dao.impl.BookInfoDaoImpl.selectByPkId(BookInfoDaoImpl.java:55)
at cn.kgc.service.impl.BookInfoServiceImpl.findBookInfoBerviceImpl.java:25)
at cn.kgc.test.BookInfoTester.testFindById(BookInfoTester.java:45) <25 internal lines>

Caused by: java.sql.SQLException Create breakpoint: You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'FROM book_info where book_info.book_id=1' at line 1 Query: SELECT book_info.book_id id,book_info.book_code,book_info.book_name,book_info.book_id=? Parameters: [1]
at org.apache.commons.dbutils.AbstractQueryRunner.rethrow(AbstractQueryRunner.java:392)
at org.apache.commons.dbutils.QueryRunner.query(QueryRunner.java:351)
at org.apache.commons.dbutils.QueryRunner.query(QueryRunner.java:351)
at cn.kgc.dao.impl.BookInfoDaoImpl.selectByPkId(BookInfoDaoImpl.java:53)
... 27 more
```

课程总结

- 1 图书新增功能
- 2 图书修改功能
- 3 BeanUtils.populate()功能

课程预习

- 1.Session和Cookie
- 2.文件上传和下载
- 3 监听器和过滤器
- 4 ajax