基于 SSM 的房租管理系统的设计与实现 源代码

Maven 类库配置

Pom.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0"
         xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
         xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>
    <groupId>com.huzhongyu</groupId>
    <artifactId>h2ssm</artifactId>
    <version>1.0-SNAPSHOT</version>
    <name>ssm Maven Webapp</name>


    <dependencies>

        <!-- springmvc -->
        <!-- https://mvnrepository.com/artifact/org.springframework/spring-webmvc -->
        <dependency>
            <groupId>org.springframework</groupId>
            <artifactId>spring-webmvc</artifactId>
            <version>5.0.6.RELEASE</version>
        </dependency>

        <!-- jdbc -->
        <!-- https://mvnrepository.com/artifact/org.springframework/spring-jdbc -->
        <dependency>
            <groupId>org.springframework</groupId>
            <artifactId>spring-jdbc</artifactId>
            <version>5.0.6.RELEASE</version>
        </dependency>

        <!-- spring ioc 面向切面 -->
        <!-- https://mvnrepository.com/artifact/org.springframework/spring-aspects -->
        <dependency>
            <groupId>org.springframework</groupId>
            <artifactId>spring-aspects</artifactId>
```

```xml
        <version>5.0.6.RELEASE</version>
</dependency>

<!-- mybatis -->
<!-- https://mvnrepository.com/artifact/org.mybatis/mybatis -->
<dependency>
        <groupId>org.mybatis</groupId>
        <artifactId>mybatis</artifactId>
        <version>3.4.6</version>
</dependency>

<!-- mybatis spring 适配 -->
<!-- https://mvnrepository.com/artifact/org.mybatis/mybatis-spring -->
<dependency>
        <groupId>org.mybatis</groupId>
        <artifactId>mybatis-spring</artifactId>
        <version>1.3.2</version>
</dependency>

<!-- 数据库连接池 -->
<!-- https://mvnrepository.com/artifact/com.mchange/c3p0 -->
<dependency>
        <groupId>com.mchange</groupId>
        <artifactId>c3p0</artifactId>
        <version>0.9.5.2</version>
</dependency>

<!-- H2 数据库 -->
<!-- https://mvnrepository.com/artifact/com.h2database/h2 -->
<dependency>
        <groupId>com.h2database</groupId>
        <artifactId>h2</artifactId>
        <version>1.4.197</version>
</dependency>

<!-- jstl -->
<!-- https://mvnrepository.com/artifact/jstl/jstl -->
<dependency>
        <groupId>jstl</groupId>
        <artifactId>jstl</artifactId>
        <version>1.2</version>
</dependency>

<!-- servlet-api -->
```

```xml
<!-- https://mvnrepository.com/artifact/javax.servlet/javax.servlet-api -->
<dependency>
    <groupId>javax.servlet</groupId>
    <artifactId>javax.servlet-api</artifactId>
    <version>4.0.1</version>
    <scope>provided</scope>
</dependency>

<!-- junit -->
<!-- https://mvnrepository.com/artifact/junit/junit -->
<dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>4.12</version>
</dependency>

<dependency>
    <groupId>org.springframework</groupId>
    <artifactId>spring-test</artifactId>
    <version>4.2.5.RELEASE</version>
    <scope>compile</scope>
</dependency>

<dependency>
    <groupId>commons-collections</groupId>
    <artifactId>commons-collections</artifactId>
    <version>3.2</version>
</dependency>

<!-- https://mvnrepository.com/artifact/com.github.pagehelper/pagehelper -->
<dependency>
    <groupId>com.github.pagehelper</groupId>
    <artifactId>pagehelper</artifactId>
    <version>5.1.4</version>
</dependency>

<!-- logback start -->
<dependency>
    <groupId>log4j</groupId>
    <artifactId>log4j</artifactId>
    <version>1.2.12</version>
</dependency>
<dependency>
    <groupId>org.slf4j</groupId>
```

```xml
        <artifactId>slf4j-api</artifactId>
        <version>1.6.6</version>
    </dependency>
    <dependency>
        <groupId>ch.qos.logback</groupId>
        <artifactId>logback-classic</artifactId>
        <version>1.1.2</version>
    </dependency>
    <dependency>
        <groupId>ch.qos.logback</groupId>
        <artifactId>logback-core</artifactId>
        <version>1.1.2</version>
    </dependency>
    <dependency>
        <groupId>org.logback-extensions</groupId>
        <artifactId>logback-ext-spring</artifactId>
        <version>0.1.1</version>
    </dependency>


</dependencies>


<profiles>
    <!-- 开发环境 -->
    <profile>
        <id>dev</id>
        <activation>
            <activeByDefault>true</activeByDefault>
        </activation>
        <!-- 以下配置 properties 中用到一些变量，如数据库连接参数、日志打印等
-->
        <properties>

            <!-- 日志打印的设置 -->
            <log.moduleName>h2ssm</log.moduleName>
            <log.base>logs</log.base>
            <log.other.level>DEBUG</log.other.level>
            <log.root.level>DEBUG</log.root.level>
            <log.stdout.ref><![CDATA[<appender-ref                 ref="stdout"
/>]]></log.stdout.ref>
        </properties>
    </profile>
</profiles>
```

```
</project>
```

项目配置文件

Spring-dao.xml

```xml
<?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"
        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">
    <!-- 配置整合 mybatis 过程 -->
    <!-- 1.配置数据库相关参数 properties 的属性：${url} -->
    <context:property-placeholder location="classpath:jdbc.properties" />

    <!-- 数据库连接池 -->
    <bean id="dataSource" class="com.mchange.v2.c3p0.ComboPooledDataSource">
        <!-- 配置连接池属性 -->
        <property name="driverClass" value="${jdbc.driver}" />
        <property name="jdbcUrl" value="${jdbc.url}" />
        <property name="user" value="${jdbc.username}" />
        <property name="password" value="${jdbc.password}" />

        <!-- c3p0 连接池的私有属性 -->
        <property name="maxPoolSize" value="30" />
        <property name="minPoolSize" value="10" />
        <!-- 关闭连接后不自动 commit -->
        <property name="autoCommitOnClose" value="false" />
        <!-- 获取连接超时时间 -->
        <property name="checkoutTimeout" value="10000" />
        <!-- 当获取连接失败重试次数 -->
        <property name="acquireRetryAttempts" value="2" />
    </bean>

    <!-- 配置 SqlSessionFactory 对象 -->
    <bean id="sqlSessionFactory" class="org.mybatis.spring.SqlSessionFactoryBean">
        <!-- 注入数据库连接池 -->
        <property name="dataSource" ref="dataSource" />
```

```xml
        <!-- 配置 MyBaties 全局配置文件:mybatis-config.xml -->
        <property name="configLocation" value="classpath:mybatis-config.xml" />
        <!-- 扫描 entity 包 使用别名 -->
        <property name="typeAliasesPackage" value="com.huzhongyu.entity" />
        <!-- 扫描 sql 配置文件:mapper 需要的 xml 文件 -->
        <property name="mapperLocations" value="classpath:mapper/*.xml" />
    </bean>

    <!-- 配置扫描 Dao 接口包，动态实现 Dao 接口，注入到 spring 容器中 -->
    <bean class="org.mybatis.spring.mapper.MapperScannerConfigurer">
        <!-- 注入 sqlSessionFactory -->
        <property name="sqlSessionFactoryBeanName" value="sqlSessionFactory" />
        <!-- 给出需要扫描 Dao 接口包 -->
        <property name="basePackage" value="com.huzhongyu.dao" />
    </bean>
</beans>
```

Spring-service.xml

```xml
<?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: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">
    <!-- 扫描 service 包下所有使用注解的类型 -->
    <context:component-scan base-package="com.huzhongyu.service" />

    <!-- 配置事务管理器 -->
    <bean id="transactionManager"
          class="org.springframework.jdbc.datasource.DataSourceTransactionManager">
        <!-- 注入数据库连接池 -->
        <property name="dataSource" ref="dataSource" />
    </bean>

    <!-- 配置基于注解的声明式事务 -->
    <tx:annotation-driven transaction-manager="transactionManager" />
```

```
</beans>
```

Spring-web.xml

```xml
<?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
    http://www.springframework.org/schema/context/spring-context.xsd
    http://www.springframework.org/schema/mvc
    http://www.springframework.org/schema/mvc/spring-mvc-3.0.xsd">
    <!-- 配置 SpringMVC -->
    <!-- 1.开启 SpringMVC 注解模式 -->
    <!-- 简化配置:
        (1)自动注册 DefaultAnootationHandlerMapping,AnotationMethodHandlerAdapter
        (2) 提 供 一 些 列 ： 数 据 绑 定 ， 数 字 和 日 期 的  format  @NumberFormat,
@DateTimeFormat, xml,json 默认读写支持
    -->
    <mvc:annotation-driven />

    <!-- 2.静态资源默认 servlet 配置
        (1)加入对静态资源的处理： js,gif,png
        (2)允许使用"/"做整体映射
     -->
    <mvc:default-servlet-handler/>

    <!-- 3.配置 jsp 显示 ViewResolver -->
    <bean class="org.springframework.web.servlet.view.InternalResourceViewResolver">
        <property                                              name="viewClass"
value="org.springframework.web.servlet.view.JstlView" />
        <property name="prefix" value="/WEB-INF/jsp/" />

        <property name="suffix" value=".jsp" />
    </bean>

    <!-- 4.扫描 web 相关的 bean -->
    <context:component-scan base-package="com.huzhongyu.controller" />
</beans>
```

Jdbc.properties

```
# h2 database
jdbc.driver=org.h2.Driver
# 第一个是嵌入模式链接 H2 库，第二个是使用 Server Mode 用 tcp 连接。
# 区别一个是前者性能更好，后者可同时多个客户端连接，开发一般使用第二种
#jdbc.url=jdbc:h2:~/test
jdbc.url=jdbc:h2:tcp://localhost/~/ssm
jdbc.username=admin
jdbc.password=admin
# 配置文件中的 jdbc.username，如果写成 username，
# 可能会与系统环境中的 username 变量冲突，
# 所以到时候真正连接数据库的时候，
# 用户名就被替换成系统中的用户名（有得可能是 administrator），
# 那肯定是连接不成功的，这里有个小坑，我被坑了一晚上！！

# mysql
#jdbc.driver=com.mysql.jdbc.Driver
##jdbc.url=jdbc:mysql://localhost:3306/ssm?useUnicode=true&characterEncoding=utf8
##jdbc.username=root
##jdbc.password=admin
```

Mybatis-config.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE configuration
        PUBLIC "-//mybatis.org//DTD Config 3.0//EN"
        "http://mybatis.org/dtd/mybatis-3-config.dtd">
<configuration>
    <!-- 配置全局属性 -->
    <settings>
        <!-- 使用 jdbc 的 getGeneratedKeys 获取数据库自增主键值 -->
        <setting name="useGeneratedKeys" value="true" />

        <!-- 使用列别名替换列名 默认:true -->
        <setting name="useColumnLabel" value="true" />

        <!-- 开启驼峰命名转换:Table{create_time} -> Entity{createTime} -->
        <setting name="mapUnderscoreToCamelCase" value="true" />
    </settings>
</configuration>
```

Web.xml

```xml
<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee"
         xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
         xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd"
         version="4.0" metadata-complete="true">

    <welcome-file-list>
        <welcome-file>/WEB-INF/jsp/login.jsp</welcome-file>
    </welcome-file-list>

<!-- 启动 spring 的容器 -->

<!--

<listener>
    <listener-class>org.springframework.web.context.ContextLoaderListener</listener-class>
</listener>

-->



<!-- springmvc 的前端控制器，拦截所有请求 -->
<servlet>
    <servlet-name>dispatcherServlet</servlet-name>
    <servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>

    <init-param>
        <param-name>contextConfigLocation</param-name>
        <param-value>classpath:spring/spring-*.xml</param-value>
    </init-param>

    <load-on-startup>1</load-on-startup>
</servlet>

<servlet-mapping>
    <servlet-name>dispatcherServlet</servlet-name>
    <url-pattern>/</url-pattern>
</servlet-mapping>

<!-- 字符过滤器 -->
```

```xml
<filter>
    <filter-name>characterEncodingFilter</filter-name>
    <filter-class>org.springframework.web.filter.CharacterEncodingFilter</filter-class>
    <init-param>
        <param-name>encoding</param-name>
        <param-value>utf-8</param-value>
    </init-param>
    <init-param>
        <param-name>forceRequestEncoding</param-name>
        <param-value>true</param-value>
    </init-param>
    <init-param>
        <param-name>forceResponseEncoding</param-name>
        <param-value>true</param-value>
    </init-param>
</filter>

<filter-mapping>
    <filter-name>characterEncodingFilter</filter-name>
    <url-pattern>/*</url-pattern>
</filter-mapping>

<!-- 使用 rest 风格的 url -->
<filter>
    <filter-name>hiddenHttpMethodFilter</filter-name>
    <filter-class>org.springframework.web.filter.HiddenHttpMethodFilter</filter-class>
</filter>

<filter-mapping>
    <filter-name>hiddenHttpMethodFilter</filter-name>
    <url-pattern>/*</url-pattern>
</filter-mapping>

</web-app>
```

后台代码

User.java

```java
package com.huzhongyu.entity;

public class User {
```

```java
    private int id;
    private String name;
    private String password;

    public int getId() {
        return id;
    }

    public void setId(int id) {
        this.id = id;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getPassword() {
        return password;
    }

    public void setPassword(String password) {
        this.password = password;
    }
}
```

House.java

```java
package com.huzhongyu.entity;

public class House {
    private int id;
    private int userId;
    private String name;
    private String city;
    private String community;
    private String room;
    private String type;
```

```java
private int area;
private boolean state;

public int getId() {
    return id;
}

public void setId(int id) {
    this.id = id;
}

public int getUserId() {
    return userId;
}

public void setUserId(int userId) {
    this.userId = userId;
}

public String getName() {
    return name;
}

public void setName(String name) {
    this.name = name;
}

public String getCity() {
    return city;
}

public void setCity(String city) {
    this.city = city;
}

public String getCommunity() {
    return community;
}

public void setCommunity(String community) {
    this.community = community;
}

public String getRoom() {
```

```java
            return room;
        }

        public void setRoom(String room) {
            this.room = room;
        }

        public String getType() {
            return type;
        }

        public void setType(String type) {
            this.type = type;
        }

        public int getArea() {
            return area;
        }

        public void setArea(int area) {
            this.area = area;
        }

        public boolean isState() {
            return state;
        }

        public void setState(boolean state) {
            this.state = state;
        }
}
```

Agreement.java

```java
package com.huzhongyu.entity;

public class Agreement {
        private int id;
        private int houseId;
        private String tenantName;
        private String tenantPhone;
        private String startDate;
```

```java
private int period;
private double deposit;
private double rent;

public int getId() {
    return id;
}

public void setId(int id) {
    this.id = id;
}

public int getHouseId() {
    return houseId;
}

public void setHouseId(int houseId) {
    this.houseId = houseId;
}

public String getTenantName() {
    return tenantName;
}

public void setTenantName(String tenantName) {
    this.tenantName = tenantName;
}

public String getTenantPhone() {
    return tenantPhone;
}

public void setTenantPhone(String tenantPhone) {
    this.tenantPhone = tenantPhone;
}

public String getStartDate() {
    return startDate;
}

public void setStartDate(String startDate) {
    this.startDate = startDate;
}
```

```java
    public int getPeriod() {
        return period;
    }

    public void setPeriod(int period) {
        this.period = period;
    }

    public double getDeposit() {
        return deposit;
    }

    public void setDeposit(double deposit) {
        this.deposit = deposit;
    }

    public double getRent() {
        return rent;
    }

    public void setRent(double rent) {
        this.rent = rent;
    }
}
```

LoginController.java

```java
package com.huzhongyu.controller;


import com.huzhongyu.entity.User;
import com.huzhongyu.service.LoginService;
import com.huzhongyu.service.UserService;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.ResponseBody;
import org.springframework.web.bind.annotation.RestController;

import javax.annotation.Resource;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpSession;
import java.io.IOException;
```

```java
@Controller
@RequestMapping("/login")
public class LoginController {

    @Autowired
    protected HttpSession session;
    @Autowired
    protected HttpServletRequest request;

    @Autowired
    private LoginService loginService;
    @Autowired
    private UserService userService;

    @RequestMapping("/login")
    public String login(){
        return "login";
    }

    @RequestMapping("/home")
    public String home(HttpServletRequest request){
        return  "home";
    }

    @RequestMapping("/logincheck")
    public  String  checkLogin(HttpSession  session,HttpServletRequest  request)  throws
IOException{
        User                                user                                =
loginService.loginCheck(request.getParameter("name"),request.getParameter("password"));
        System.out.println("name:" + request.getParameter("name"));
        if(user != null){
            session.setAttribute("username",user.getName());
            session.setAttribute("userid",user.getId());
            return "success";
        }else {
            request.setAttribute("error", "用户名或密码错误");
            return "error";
        }
    }

    @RequestMapping("/signup")
    public String signup(){
        return "signup";
```

```java
    }

    @RequestMapping("/btnsignup")
    @ResponseBody
    public String btnsignup(HttpServletRequest request,HttpSession session){

        int flag = loginService.ifExist(request.getParameter("name"));
        if(flag==1){
            return "用户名已存在！";
        }else{

userService.addUser(request.getParameter("name"),request.getParameter("password"));
            return "用户已创建，请返回登录。";
        }

    }

    @RequestMapping("/outlogin")
    public String outlogin(HttpSession session){
        session.invalidate();;
        return "login";
    }


}
```

UserController.java

```java
package com.huzhongyu.controller;


import com.huzhongyu.entity.User;
import com.huzhongyu.service.UserService;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;
import org.springframework.web.bind.annotation.ResponseBody;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpSession;
```

```java
import java.awt.*;
import java.util.List;

@Controller
@RequestMapping("/user")
public class UserController {

    @Autowired
    private UserService userService;

    @RequestMapping(value="/list",method=RequestMethod.GET)
    public String list(Model model){
        List<User> list = userService.getList(0,100);
        model.addAttribute("list",list);
        return "list";
    }

    @RequestMapping(value = "/updateuser",method = RequestMethod.POST)
    @ResponseBody
    public String updateuser(HttpSession session, HttpServletRequest request){

userService.updateUser((String)session.getAttribute("userId"),request.getParameter("password"));
        return "修改成功。";
    }

    @RequestMapping(value = "/myprofile")
    public String myprofile(HttpServletRequest request,HttpSession session,Model model){
        String id = session.getAttribute("userid").toString();
        User user = userService.queryById(id);
        model.addAttribute("user",user);
        return "myprofile";}
}
```

HomeController.java

```java
package com.huzhongyu.controller;



import com.huzhongyu.entity.Rate;
import com.huzhongyu.entity.User;
import com.huzhongyu.service.HouseService;
```

```java
import com.huzhongyu.service.UserService;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;

import javax.servlet.http.HttpSession;
import java.util.List;

@Controller
@RequestMapping("/home")
public class HomeController {

    @Autowired
    private UserService userService;

    @Autowired
    private HouseService houseService;

    @RequestMapping("/home")
    public String home(){return "home";}

    @RequestMapping(value="/list",method=RequestMethod.GET)
    public String list(Model model){
        List<User> list = userService.getList(0,100);
        model.addAttribute("list",list);
        return "home";
    }

    @RequestMapping("/newhouse")
    public String newhouse(){return "newhouse";}

    @RequestMapping(value = "/rate")
    public String rate(Model model, HttpSession session){
        int     numOccupancy     =     houseService.getCountOccupancy((Integer)
session.getAttribute("userid"));
        int numAll = houseService.getCountAll((Integer) session.getAttribute("userid"));
        model.addAttribute("numOccupancy",numOccupancy);
        model.addAttribute("numAll",numAll);
        return "home";
    }
}
```

HouseController.java

```java
package com.huzhongyu.controller;

import com.huzhongyu.entity.House;
import com.huzhongyu.service.AgreementService;
import com.huzhongyu.service.HouseService;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpSession;
import java.awt.print.Book;
import java.util.List;

@Controller
@RequestMapping("/house")
public class HouseController {

    @Autowired
    protected HouseService houseService;

    @Autowired
    protected AgreementService agreementService;

    @RequestMapping(value = "/occupancylist")
    public String occupancyList(Model model, HttpSession session){
        int userId = (Integer) session.getAttribute("userid");
        System.out.println("userid="+userId);
        List<House> list = houseService.getOccupancyList(userId,0,1000);
        model.addAttribute("list",list);
        return "occupancyhouse";
    }

    @RequestMapping(value = "/vacantlist")
    public String vacantList(Model model,HttpSession session){
        int userId = (Integer) session.getAttribute("userid");
        System.out.println("userid="+userId);
        List<House> list = houseService.getVacantList(userId,0,1000);
```

```java
            model.addAttribute("list",list);
            return "vacanthouse";
        }

        @RequestMapping(value = "/delete/{id}",method = RequestMethod.GET)
        public String deleteById(@PathVariable("id") int id){
            agreementService.deleteAgreementByHouseId(id);
            houseService.deleteById(id);
            return "forward:/home/rate";
        }

        @RequestMapping(value = "newhouse")
        public String newHouse(){
            return "newhouse";
        }

        @RequestMapping(value = "addhouse",method = RequestMethod.POST)
        public String addHouse(HttpServletRequest request,HttpSession session){
            int userId = (Integer) session.getAttribute("userid");
            System.out.println(request.getParameter("name"));

houseService.addHouse(userId,request.getParameter("name"),request.getParameter("city"),
                    request.getParameter("community"),request.getParameter("room"),
                    request.getParameter("area"), request.getParameter("type"));
            return "forward:/house/vacantlist";
        }

        @RequestMapping(value = "checkin/{id}",method = RequestMethod.GET)
        public String checkIn(@PathVariable("id") int id){
            houseService.checkIn(id);
            return "forward:/house/vacantlist";
        }

        @RequestMapping(value = "checkout/{id}",method = RequestMethod.GET)
        public String chechkOut(@PathVariable("id") int id){
            houseService.checkOut(id);
            return "forward:/house/occupancylist";
        }

        @RequestMapping(value = "updatehouse/{id}",method = RequestMethod.GET)
        public String updatehouse(@PathVariable("id") int id,Model model){
            House house = houseService.getHouseById(id);
            model.addAttribute("house",house);
            return "updatehouse";
```

```java
        }

        @RequestMapping(value = "update",method = RequestMethod.POST)
        public String update(HttpServletRequest request,HttpSession session){

houseService.updateById(request.getParameter("id"),request.getParameter("name"),request.
getParameter("city"),

request.getParameter("community"),request.getParameter("room"),request.getParameter("ar
ea"),
                        request.getParameter("type"));
            return "forward:/home/rate";
        }

}
```

AgreementController.java

```java
package com.huzhongyu.controller;

import com.huzhongyu.entity.Agreement;
import com.huzhongyu.entity.House;
import com.huzhongyu.service.AgreementService;
import com.huzhongyu.service.HouseService;
import org.apache.ibatis.annotations.Param;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpSession;
import java.util.LinkedList;
import java.util.List;

@Controller
@RequestMapping("agreement")
public class AgreementController {

        @Autowired
        protected HouseService houseService;
```

```java
@Autowired
protected AgreementService agreementService;

@RequestMapping(value = "/newagreement/{houseId}",method = RequestMethod.GET)
public String newAgreement(@PathVariable("houseId") int houseId, Model model){
    model.addAttribute("houseId",houseId);
    return "newagreement";
}


@RequestMapping(value = "addagreement",method = RequestMethod.POST)
public String addAgreement(HttpServletRequest request, HttpSession session){
    System.out.println(request.getParameter("name"));
    int houseId =Integer.parseInt(request.getParameter("houseId"));
    //写多余了，不影响功能，暂时留着
    House house = houseService.getHouseById(houseId);
    System.out.println(house.getName());

agreementService.addAgreement(Integer.toString(house.getId()),request.getParameter("ten
antName"),request.getParameter("tenantPhone"),
            request.getParameter("startDate"),request.getParameter("period"),
            request.getParameter("deposit"), request.getParameter("rent"));
    return "forward:/house/vacantlist";
}

@RequestMapping(value      =      "/updateagreement/{agreementId}",method      =
RequestMethod.GET)
public String updateAgreement(@PathVariable("agreementId") int agreementId,Model
model){
    Agreement agreement = agreementService.selectById(agreementId);
    model.addAttribute("agreement",agreement);
    return "updateagreement";
}

@RequestMapping(value = "update",method = RequestMethod.POST)
public String update(HttpServletRequest request,HttpSession session){

    System.out.printf(request.getParameter("id"));

agreementService.updateAgreement(request.getParameter("id"),request.getParameter("tena
ntName"),request.getParameter("tenantPhone"),
            request.getParameter("startDate"),request.getParameter("period"),
            request.getParameter("deposit"), request.getParameter("rent"));
    return "forward:/home/rate";
```

```java
    }


    @RequestMapping(value = "history/{houseId}",method = RequestMethod.GET)
    public String history(@PathVariable("houseId") int houseId,Model model){
        List<Agreement> list = agreementService.queryAllByHouseId(houseId,0,1000);
        model.addAttribute("list",list);
        return "agreementlist";
    }


    @RequestMapping(value = "delete/{agreementId}",method = RequestMethod.GET)
    public String delete(@PathVariable("agreementId") int agreementId){
        agreementService.deleteAgreementById(agreementId);
        return "forward:/home/rate";
    }


    @RequestMapping(value = "citytrend/{houseId}",method = RequestMethod.GET)
    public String citytrend(@PathVariable("houseId") int houseId, Model model){
        String city = houseService.getHouseById(houseId).getCity();
        List<House> houseList = houseService.queryByCity(city);
        List<Agreement> agreementList = new LinkedList<Agreement>();
        for(int i=0;i<houseList.size();i++){

agreementList.addAll(agreementService.queryAllByHouseId(houseList.get(i).getId(),0,1000));
        }
        model.addAttribute("list",agreementList);
        return "citytrend";
    }


    @RequestMapping(value = "communitytrend/{houseId}",method = RequestMethod.GET)
    public String communitytrend(@PathVariable("houseId") int houseId,Model model){
        String community = houseService.getHouseById(houseId).getCommunity();
        List<House> houseList = houseService.queryByCommunity(community);
        List<Agreement> agreementList = new LinkedList<Agreement>();
        for(int i=0;i<houseList.size();i++){

agreementList.addAll(agreementService.queryAllByHouseId(houseList.get(i).getId(),0,1000));
        }
        model.addAttribute("list",agreementList);
        return "communitytrend";
    }


    @RequestMapping(value = "usertrend")
```

```java
public String usertrend(HttpServletRequest request, HttpSession session, Model model){
    String uid = session.getAttribute("userid").toString();
    List<House> houseList = houseService.queryByUid(uid);
    List<Agreement> agreementList = new LinkedList<Agreement>();
    for(int i=0;i<houseList.size();i++){

agreementList.addAll(agreementService.queryAllByHouseId(houseList.get(i).getId(),0,1000));
    }
    model.addAttribute("list",agreementList);
    return "usertrend";
}

}
```

LoginService.interface

```java
package com.huzhongyu.service;

import com.huzhongyu.entity.User;

public interface LoginService {


    //检验用户登录
    public User loginCheck(String name, String password);

    //校验是否存在用户
    public int ifExist(String name);
}
```

UserService.interface

```java
package com.huzhongyu.service;

import com.huzhongyu.entity.User;

import java.util.List;

public interface UserService {
```

```java
//获取所有用户信息
List<User> getList(int start, int pageNum);

//创建用户
int addUser(String name,String password);

//修改用户信息
int updateUser(String id,String password);

//通过 id 获取用户信息
User queryById(String id);
}
```

HouseService.interface

```java
package com.huzhongyu.service;

import com.huzhongyu.entity.House;

import java.util.List;

public interface HouseService {

    //已租房源列表
    public List<House> getOccupancyList(int userId,int start,int pageNum);

    //未租房源列表
    public List<House> getVacantList(int userId,int start,int pageNum);

    //通过 id 查找房源信息
    public House getHouseById(int id);

    //用户所有房源数量
    public int getCountAll(int userId);

    //用户已租房源数量
    public int getCountOccupancy(int userId);

    //登记入住，将房源状态改为已租
    public void checkIn(int id);

    //退租，将房源状态改为未租
```

```java
    public void checkOut(int id);

    //通过房源 id 删除房源
    public void deleteById(int id);

    //通过房源 id 更新房源
    public void updateById(String id,String name,String city,String community,
                           String room,String area,String type);

    //添加房源
    public void addHouse(int userId,String name,String city,String community,
                         String room,String area,String type);

    //按城市查找房源
    public List<House> queryByCity(String city);

    //按小区查找房源
    public List<House> queryByCommunity(String Community);

    //按 uid 查找房源
    public List<House> queryByUid(String uid);
}
```

AgreementService.interface

```java
package com.huzhongyu.service;


import com.huzhongyu.entity.Agreement;

import java.util.List;

public interface AgreementService {

    //添加合同
    public int addAgreement(String houseId, String tenantName, String tenantPhone, String startDate,

                            String period,String deposit, String rent);

    //通过合同 id 删除合同
    public int deleteAgreementById(int id);

    //更新合同
```

```java
    public int updateAgreement(String id, String tenantName, String tenantPhone, String
startDate,
                                      String period,String deposit, String rent);

    //通过合同 id 查找合同
    public Agreement selectById(int id);

    //通过房源 id 删除合同
    public int deleteAgreementByHouseId(int houseId);

    //通过房源 id 查找所有合同
    public List<Agreement> queryAllByHouseId(int houseId,int start,int pageNum);
}
```

LoginServiceImpl.java

```java
package com.huzhongyu.service.impl;

import com.huzhongyu.dao.UserDao;
import com.huzhongyu.entity.User;
import com.huzhongyu.service.LoginService;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;

import javax.annotation.Resource;

@Service("loginService")
public class LoginServiceImpl implements LoginService {

    @Resource
    private UserDao userDao;

    @Override
    public User loginCheck(String name, String password) {
        User user = userDao.queryByName(name);
        if(user != null && user.getPassword().equals(password)){
            return user;
        }
        return null;
    }

    @Override
```

```java
    public int ifExist(String name) {
        if(userDao.queryByName(name)!=null){
            return 1;
        }else{
            return 0;
        }
    }
}
```

UserServiceImpl.java

```java
package com.huzhongyu.service.impl;

import com.huzhongyu.entity.User;
import com.huzhongyu.dao.UserDao;
import com.huzhongyu.service.UserService;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;

import java.util.List;

@Service
public class UserServiceImpl implements UserService {


    @Autowired
    private UserDao userDao;


    @Override
    public List<User> getList(int start, int pageNum) {
        return userDao.queryAll(start, pageNum);
    }

    @Override
    public int addUser(String name, String password) {
        return userDao.addUser(name,password);
    }

    @Override
    public int updateUser(String id,String password) {
        return userDao.updateUser(id,password);
    }
```

```java
    @Override
    public User queryById(String id) {
        return userDao.queryById(id);
    }
}
```

HouseServiceImpl.java

```java
package com.huzhongyu.service.impl;

import com.huzhongyu.dao.HouseDao;
import com.huzhongyu.entity.House;
import com.huzhongyu.service.HouseService;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;

import java.util.List;

@Service("HouseService")
public class HouseServiceImpl implements HouseService {
    @Autowired
    private HouseDao houseDao;

    @Override
    public List<House> getOccupancyList(int userId,int start,int pageNum) {
        return houseDao.userQueryOccupancy(userId, start, pageNum);
    }

    @Override
    public List<House> getVacantList(int userId,int start,int pageNum) {
        return houseDao.userQueryVacant(userId, start, pageNum);
    }

    @Override
    public House getHouseById(int id) {
        return houseDao.queryById(id);
    }

    @Override
    public int getCountAll(int userId) {
        return houseDao.userQueryCountAll(userId);
```

```java
    }

    @Override
    public int getCountOccupancy(int userId) {
        return houseDao.userQueryCountOccupancy(userId);
    }

    @Override
    public void updateById(String id,String name,String city,String community,
                           String room,String area,String type) {
        houseDao.updateHouse(id, name, city, community, room, area, type);
    }

    @Override
    public void deleteById(int id) {
        houseDao.userDeleteById(id);
    }

    @Override
    public void addHouse(int userId,String name,String city,String community,
                         String room,String area,String type){
        houseDao.userAddHouse(userId,name,city,community,room,area,type);
    }

    @Override
    public void checkIn(int id) {
        houseDao.checkIn(id);
    }

    @Override
    public void checkOut(int id) {
        houseDao.checkOut(id);
    }

    @Override
    public List<House> queryByCity(String city) {
        return houseDao.queryByCity(city);
    }

    @Override
    public List<House> queryByCommunity(String community) {
        return houseDao.queryByCommunity(community);
    }
```

```java
    @Override
    public List<House> queryByUid(String uid) {
        return houseDao.queryByUid(uid);
    }
}
```

AgreementServiceImpl.java

```java
package com.huzhongyu.service.impl;

import com.huzhongyu.dao.AgreementDao;
import com.huzhongyu.entity.Agreement;
import com.huzhongyu.service.AgreementService;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;

import java.util.List;

@Service("AgreementService")
public class AgreementServiceImpl implements AgreementService {

    @Autowired
    private AgreementDao agreementDao;

    @Override
    public int addAgreement(String houseId, String tenantName, String tenantPhone, String
startDate, String period, String deposit, String rent) {
        return     agreementDao.addAgreement(houseId,     tenantName,     tenantPhone,
startDate, period, deposit, rent);
    }

    @Override
    public int deleteAgreementById(int id) {
        return agreementDao.deleteById(id);
    }

    @Override
    public int updateAgreement(String id, String tenantName, String tenantPhone, String
startDate,
                                  String period,String deposit, String rent) {
        return agreementDao.updateAgreement(id, tenantName, tenantPhone, startDate,
period, deposit, rent);
```

```java
    }

    @Override
    public Agreement selectById(int id) {
        return agreementDao.queryAgreementById(id);
    }

    @Override
    public int deleteAgreementByHouseId(int houseId) {
        return agreementDao.deleteByHouseId(houseId);
    }

    @Override
    public List<Agreement> queryAllByHouseId(int houseId, int start, int pageNum) {
        return agreementDao.queryListByHouseId(houseId, start, pageNum);
    }
}
```

UserDao.interface

```java
package com.huzhongyu.dao;

import com.huzhongyu.entity.User;
import org.apache.ibatis.annotations.Param;

import java.util.List;

public interface UserDao {

    /**
     * 通过 id 查询用户
     *
     * @param id
     * @return
     */
    User queryById(String id);

    /**
     * 通过 name 查询用户
     *
     * @param name
     * @return
     */
```

```java
    User queryByName(String name);

    /**
     * 查询所有用户
     *
     * @param offset
     * @param limit
     * @return
     */
    List<User> queryAll(@Param("offset") int offset, @Param("limit") int limit);

    /**
     * 添加用户
     *
     * @param name
     * @param password
     * @return
     */
    int addUser(@Param("name") String name,@Param("password") String password);

    /**
     * 更新用户密码
     *
     * @param id
     * @param password
     * @return
     */
    int updateUser(@Param("id") String id,@Param("password") String password);

}
```

HouseDao.interface

```java
package com.huzhongyu.dao;

import com.huzhongyu.entity.House;
import org.apache.ibatis.annotations.Param;

import java.util.List;

public interface HouseDao {
```

```java
/**
 * 添加房源
 */
int userAddHouse(@Param("userId") int userId,@Param("name") String name,@Param("city") String city,
                 @Param("community") String community,@Param("room") String room,
                 @Param("area") String area,@Param("type") String type);


/**
 * 通过 houseId 查询房源信息
 */
House queryById(@Param("id") int id);


/**
 * 更新房源信息
 */
int updateHouse(@Param("id") String id,@Param("name") String name,@Param("city") String city,
                @Param("community") String community,@Param("room") String room,
                @Param("area") String area,@Param("type") String type);


/**
 * 查找所有房源信息
 */
List<House> userQueryAll(@Param("userId") int userId,@Param("offset") int offset,@Param("limit") int limit);


/**
 * 已租房源，入住
 */
List<House> userQueryOccupancy(@Param("userId") int userId,@Param("offset") int offset,@Param("limit") int limit);


/**
 * 待租房源，空置
 */
List<House> userQueryVacant(@Param("userId") int userId,@Param("offset") int offset,@Param("limit") int limit);


/**
 * 入住房源数
 */
```

```java
    int userQueryCountOccupancy(@Param("userId") int userId);

    /**
     * 总房源数
     */
    int userQueryCountAll(@Param("userId") int userId);

    /**
     * 登记入住
     */
    int checkIn(@Param("id") int id);

    /**
     * 退租
     */
    int checkOut(@Param("id") int id);

    /**
     * 删除房源信息
     */
    int userDeleteById(@Param("id") int id);

    /**
     * 更新房源信息
     */
    int update(@Param("house") House house);

    /**
     * 通过城市查房源列表
     */
    List<House> queryByCity(@Param("city") String city);

    /**
     * 通过小区查房源列表
     */
    List<House> queryByCommunity(@Param("community") String community);

    /**
     * 通过 uid 查房源列表
     */
    List<House> queryByUid(@Param("uid") String uid);
}
```

AgreementDao.interface

package com.huzhongyu.dao;

import com.huzhongyu.entity.Agreement;
import org.apache.ibatis.annotations.Param;

import java.util.List;

public interface AgreementDao {

    /**
     * 登记入住
     * 添加合同
     */
    int addAgreement(@Param("houseId") String houseID,@Param("tenantName") String tenantName,@Param("tenantPhone") String tenantPhone,
                    @Param("startDate") String startDate,@Param("period") String period,@Param("deposit") String deposit,
                    @Param("rent") String rent);

    /**
     * 更新合同
     */
    int updateAgreement(@Param("id") String houseID,@Param("tenantName") String tenantName,@Param("tenantPhone") String tenantPhone,
                    @Param("startDate") String startDate,@Param("period") String period,@Param("deposit") String deposit,
                    @Param("rent") String rent);

    /**
     * 查询合同信息
     */
    Agreement queryAgreementById(@Param("id") int id);

    /**
     * 删除合同
     */
    int deleteById(@Param("id") int id);

    /**
     * 通过房源 id 删除合同
     */

```java
    int deleteByHouseId(@Param("houseId") int houseId);

    /**
     * 通过房源 id 查找合同列表
     */
    List<Agreement> queryListByHouseId(@Param("houseId")int houseId, @Param("offset")
int offset, @Param("limit") int limit);
}
```

UserDao.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE mapper
        PUBLIC "-//mybatis.org//DTD Mapper 3.0//EN"
        "http://mybatis.org/dtd/mybatis-3-mapper.dtd">
<mapper namespace="com.huzhongyu.dao.UserDao">
    <!-- 目的：为 dao 接口方法提供 sql 语句配置 -->
    <select id="queryById" resultType="User" parameterType="String">
        <!-- 具体的 sql -->
        SELECT id,name,password
        FROM USER
        WHERE
        id = #{id}
    </select>

    <select id="queryByName" resultType="User" parameterType="String">
        select id,name,password
        from user
        where
        name = #{name}
    </select>

    <select id="queryAll" resultType="User">
        SELECT id,name,password
        FROM
            USER
        ORDER BY
            id
        LIMIT #{offset}, #{limit}
    </select>

    <insert id="addUser">
```

```
            insert into user(name,password)
            values(#{name},#{password})
        </insert>

        <update id="updateUser">
            update user
            set password=#{password}
            where id=#{id}
        </update>



</mapper>
```

HouseDao.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE mapper
        PUBLIC "-//mybatis.org//DTD Mapper 3.0//EN"
        "http://mybatis.org/dtd/mybatis-3-mapper.dtd">
<mapper namespace="com.huzhongyu.dao.HouseDao">
    <insert id="userAddHouse" >
        insert into house(user_id,name,city,community,room,area,type)
        values(#{userId},#{name},#{city},#{community},#{room},#{area},#{type})
    </insert>

    <select id="queryById" resultType="House">
        select id,user_id,name,city,community,room,area,type,state
        from house
        where id=#{id}
    </select>

    <update id="updateHouse">
        update house
        set name=#{name},
        city=#{city},
        community=#{community},
        room=#{room},
        area=#{area},
        type=#{type}
        where id=#{id}
    </update>
```

```xml
<select id="userQueryAll" resultType="House">
    select id,user_id,name,city,community,room,area,type,state
    from house
    where user_id=#{userId}
    order by id
    limit #{offset},#{limit}
</select>

<select id="userQueryOccupancy" resultType="House">
    select id,user_id,name,city,community,room,area,type,state
    from house
    where user_id=#{userId}
    and state=1
    order by id
    limit #{offset},#{limit}
</select>

<select id="userQueryVacant" resultType="House">
    select id,user_id,name,city,community,room,area,type,state
    from house
    where user_id=#{userId}
    and state=0
    order by id
    limit #{offset},#{limit}
</select>

<select id="userQueryCountOccupancy" resultType="int">
    select count(id)
    from house
    where user_id=#{userId}
    and state=1
</select>

<select id="userQueryCountAll" resultType="int">
    select count(id)
    from house
    where user_id=#{userId}
</select>

<update id="checkIn">
    update house
    set state=1
    where id=#{id}
</update>
```

```xml
<update id="checkOut">
    update house
    set state=0
    where id=#{id}
</update>

<delete id="userDeleteById">
    delete from house
    where id=#{id}
</delete>

<select id="queryByCity" resultType="House">
    select id,user_id,name,city,community,room,area,type,state
    from house
    where city=#{city}
    order by id
</select>

<select id="queryByCommunity" resultType="House">
    select id,user_id,name,city,community,room,area,type,state
    from house
    where community=#{community}
    order by id
</select>

<select id="queryByUid" resultType="House">
    select id,user_id,name,city,community,room,area,type,state
    from house
    where user_id=#{uid}
    order by id
</select>

</mapper>
```

AgreementDao.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE mapper
        PUBLIC "-//mybatis.org//DTD Mapper 3.0//EN"
        "http://mybatis.org/dtd/mybatis-3-mapper.dtd">
<mapper namespace="com.huzhongyu.dao.AgreementDao">
```

```xml
<insert id="addAgreement">
    insert into agreement(house_id,tenant_name,tenant_phone,
    start_date,period,deposit,rent)
    values(#{houseId},#{tenantName},#{tenantPhone},
    #{startDate},#{period},#{deposit},#{rent})
</insert>

<update id="updateAgreement">
    update agreement
    set tenant_name=#{tenantName},
    tenant_phone=#{tenantPhone},
    start_date=#{startDate},
    period=#{period},
    deposit=#{deposit},
    rent=#{rent}
    where id=#{id}
</update>

<select id="queryAgreementById" resultType="Agreement">
    select *
    from agreement
    where id=#{id}
</select>

<delete id="deleteById">
    delete from agreement
    where id=#{id}
</delete>

<delete id="deleteByHouseId">
    delete from agreement
    where house_id=#{houseId}
</delete>

<select id="queryListByHouseId" resultType="Agreement">
    select *
    from agreement
    where house_id=#{houseId}
    order by id
    limit #{offset},#{limit}
</select>

</mapper>
```

前端页面

Agreementlist.jsp

```jsp
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%--
    Created by IntelliJ IDEA.
    User: noaha
    Date: 2018/6/4
    Time: 0:21
    To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<% String appPath = request.getContextPath(); %>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head; any other head content must
come *after* these tags -->
    <meta name="description" content="">
    <meta name="author" content="">
    <link rel="icon" href="${appPath}/static/bootstrap-3.3.7-dist/docs/favicon.ico">

    <title>历史合同</title>
</head>
<body align="center">
<jsp:include page="navbar.jsp"></jsp:include>

<div class="row clearfix">
    <div class="col-md-12 column">
        <div class="page-header">
            <h1>历史合同信息</h1>
        </div>
    </div>
</div>

<div class="container">
    <div class="row clearfix">
```

```html
<div class="col-md-12 column">
    <table class="table table-hover table-striped">
        <thead>
        <tr>
            <th>租客姓名</th>
            <th>租客联系方式</th>
            <th>合同生效日期</th>
            <th>合同有效期</th>
            <th>约定押金</th>
            <th>平均月租金</th>
            <th colspan="2"></th>
        </tr>
        </thead>
        <tbody>

        <c:forEach var="agreement" items="${requestScope.get('list')}" varStatus="status">
            <tr>
                <td>${agreement.tenantName}</td>
                <td>${agreement.tenantPhone}</td>
                <td>${agreement.startDate}</td>
                <td>${agreement.period}</td>
                <td>${agreement.deposit}</td>
                <td>${agreement.rent}</td>
                <td><a role="button" class="btn btn-primary" href="/agreement/updateagreement/${agreement.id}">编辑合同</a></td>
                <td><a role="button" class="btn btn-primary" href="/agreement/delete/${agreement.id}">删除合同</a></td>

            </tr>
        </c:forEach>


        </tbody>
    </table>
</div>
</div>

</div>


</body>
</html>
```

Citytrend.jsp

```jsp
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%--
    Created by IntelliJ IDEA.
    User: noaha
    Date: 2018/5/29
    Time: 15:59
    To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<% String appPath = request.getContextPath(); %>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head; any other head content must
come *after* these tags -->
    <meta name="description" content="">
    <meta name="author" content="">
    <link rel="icon" href="${appPath}/static/bootstrap-3.3.7-dist/docs/favicon.ico">

    <title>同城租金趋势</title>

    <!-- Bootstrap core CSS -->
    <link              href="${appPath}/static/bootstrap-3.3.7-dist/css/bootstrap.min.css"
rel="stylesheet">

    <!-- IE10 viewport hack for Surface/desktop Windows 8 bug -->
    <link              href="${appPath}/static/bootstrap-3.3.7-dist/css/ie10-viewport-bug-
workaround.css" rel="stylesheet">

    <!-- Custom styles for this template -->
    <link href="${appPath}/static/css/navbar-fixed-top.css" rel="stylesheet">

    <!-- Just for debugging purposes. Don't actually copy these 2 lines! -->
    <!--[if lt IE 9]><script src="${appPath}/static/bootstrap-3.3.7-dist/js/ie8-responsive-
file-warning.js"></script><![endif]-->
    <script             src="${appPath}/static/bootstrap-3.3.7-dist/js/ie-emulation-modes-
warning.js"></script>
    <script src="${appPath}/static/js/echarts.js"></script>
```

```
    <!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries
-->
    <!--[if lt IE 9]>
    <script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
    <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
    <![endif]-->
</head>

<body>

<!-- Fixed navbar -->
<jsp:include page="navbar.jsp"></jsp:include>

<%-- 内容 --%>
<div id="main" style="width: 600px;height:400px;"></div>
<script type="text/javascript">
    // 基于准备好的 dom，初始化 echarts 实例
    var myChart = echarts.init(document.getElementById('main'));

    // 指定图表的配置项和数据
    var option = {
        title: {
            text: '同城房租趋势'
        },
        tooltip: {},
        legend: {
            data:['租金']
        },
        xAxis: {
            type:'time'
        },
        yAxis: {},
        series: [{
            symbolSize: 20,
            data: [
                <c:forEach var="agreement" items="${requestScope.get('list')}">
                ['${agreement.startDate}',${agreement.rent}],
                </c:forEach>
            ],
            type: 'scatter'
        }]
    };

    // 使用刚指定的配置项和数据显示图表。
```

```
        myChart.setOption(option);
</script>




</body>
</html>
```

Communitytrend.jsp

```
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%--
   Created by IntelliJ IDEA.
   User: noaha
   Date: 2018/5/29
   Time: 15:59
   To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<% String appPath = request.getContextPath(); %>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head; any other head content must
come *after* these tags -->
    <meta name="description" content="">
    <meta name="author" content="">
    <link rel="icon" href="${appPath}/static/bootstrap-3.3.7-dist/docs/favicon.ico">

    <title>同小区房租散点趋势图</title>

    <!-- Bootstrap core CSS -->
    <link            href="${appPath}/static/bootstrap-3.3.7-dist/css/bootstrap.min.css"
rel="stylesheet">

    <!-- IE10 viewport hack for Surface/desktop Windows 8 bug -->
    <link            href="${appPath}/static/bootstrap-3.3.7-dist/css/ie10-viewport-bug-
workaround.css" rel="stylesheet">

    <!-- Custom styles for this template -->
```

```html
<link href="${appPath}/static/css/navbar-fixed-top.css" rel="stylesheet">

<!-- Just for debugging purposes. Don't actually copy these 2 lines! -->
<!--[if lt IE 9]><script src="${appPath}/static/bootstrap-3.3.7-dist/js/ie8-responsive-file-warning.js"></script><![endif]-->
<script src="${appPath}/static/bootstrap-3.3.7-dist/js/ie-emulation-modes-warning.js"></script>
<script src="${appPath}/static/js/echarts.js"></script>

<!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries -->
<!--[if lt IE 9]>
<script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
<script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
<![endif]-->
</head>

<body>

<!-- Fixed navbar -->
<jsp:include page="navbar.jsp"></jsp:include>

<%-- 内容 --%>
<div id="main" style="width: 600px;height:400px;"></div>
<script type="text/javascript">
    // 基于准备好的 dom，初始化 echarts 实例
    var myChart = echarts.init(document.getElementById('main'));

    // 指定图表的配置项和数据
    var option = {
        title: {
            text: '同小区房租散点趋势图'
        },
        tooltip: {},
        legend: {
            data:['租金']
        },
        xAxis: {
            type:'time'
        },
        yAxis: {},
        series: [{
            symbolSize: 20,
            data: [
```

```
                <c:forEach var="agreement" items="${requestScope.get('list')}">
                ['${agreement.startDate}',${agreement.rent}],
                </c:forEach>
            ],
            type: 'scatter'
        }]
    };

    // 使用刚指定的配置项和数据显示图表。
    myChart.setOption(option);
</script>




</body>
</html>
```

Error.jsp

```
<%--
    Created by IntelliJ IDEA.
    User: noaha
    Date: 2018/5/29
    Time: 12:36
    To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<%
    String path = request.getContextPath();
    String                          basePath                          =
request.getScheme()+"://"+request.getServerName()+":"+request.getServerPort()+path+"/";
%>

<!DOCTYPE    html    PUBLIC    "-//W3C//DTD    HTML    4.01    Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
    <script type="text/javascript">
        setTimeout("javascript:location.href='/login.jsp'", 1000);
    </script>
</head>
<body>
```

```
<jsp:include page="navbar.jsp"></jsp:include>
<div align="center">
    <br/>
    <br/>
    <br/>
    <h4>${error}</h4>
    <h4><a href="/WEB-INF/jsp/login.jsp" >立即跳转</a></h4>
</div>

</body>
</html>
```

Home.jsp

```
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%--
    Created by IntelliJ IDEA.
    User: noaha
    Date: 2018/5/29
    Time: 15:59
    To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<% String appPath = request.getContextPath(); %>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head; any other head content must
come *after* these tags -->
    <meta name="description" content="">
    <meta name="author" content="">
    <link rel="icon" href="${appPath}/static/bootstrap-3.3.7-dist/docs/favicon.ico">

    <title>主页</title>

    <!-- Bootstrap core CSS -->
    <link            href="${appPath}/static/bootstrap-3.3.7-dist/css/bootstrap.min.css"
rel="stylesheet">

    <!-- IE10 viewport hack for Surface/desktop Windows 8 bug -->
```

```html
<link                    href="${appPath}/static/bootstrap-3.3.7-dist/css/ie10-viewport-bug-
workaround.css" rel="stylesheet">

<!-- Custom styles for this template -->
<link href="${appPath}/static/css/navbar-fixed-top.css" rel="stylesheet">

<!-- Just for debugging purposes. Don't actually copy these 2 lines! -->
<!--[if  lt  IE  9]><script  src="${appPath}/static/bootstrap-3.3.7-dist/js/ie8-responsive-
file-warning.js"></script><![endif]-->
<script               src="${appPath}/static/bootstrap-3.3.7-dist/js/ie-emulation-modes-
warning.js"></script>

<!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries
-->
<!--[if lt IE 9]>
<script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
<script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
<![endif]-->
</head>

<body>

<!-- Fixed navbar -->
<jsp:include page="navbar.jsp"></jsp:include>

<%-- 内容 --%>

<div class="container">
    <div class="row clearfix">
        <div class="col-md-12 column">
            <div class="page-header">
                <h1>
                    <a href="<%=appPath%>/user/list">首页</a>
                </h1>
            </div>
        </div>
    </div>

    <div class="row clearfix">
        <div class="col-md-12 column">
            <div class="page-header">
                <h1>已租房源数： <small>${numOccupancy}</small></h1>
            </div>
        </div>
```

```
        </div>
        <div class="row clearfix">
            <div class="col-md-12 column">
                <div class="page-header">
                    <h1>房源总数： <small>${numAll}</small></h1>
                </div>
            </div>
        </div>
        <div class="row clearfix">
            <div class="col-md-12 column">
                <div class="page-header">
                    <h1>入住率： <small>${numOccupancy}/${numAll}</small></h1>
                </div>
            </div>
        </div>

    </div>



</body>
</html>
```

Login.jsp

```
<%--
    Created by IntelliJ IDEA.
    User: noaha
    Date: 2018/5/27
    Time: 3:22
    To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<% String appPath = request.getContextPath(); %>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- 上述 3 个 meta 标签*必须*放在最前面，任何其他内容都*必须*跟随其后！ -->
    <meta name="description" content="">
    <meta name="author" content="">
```

```html
<link rel="icon" href=".${appPath}/static/bootstrap-3.3.7-dist/docs/favicon.ico">

<title>用户登录</title>

<!-- Bootstrap core CSS -->
<link                    href="${appPath}/static/bootstrap-3.3.7-dist/css/bootstrap.min.css"
rel="stylesheet">

<!-- IE10 viewport hack for Surface/desktop Windows 8 bug -->
<link href="../../assets/css/ie10-viewport-bug-workaround.css" rel="stylesheet">

<!-- Custom styles for this template -->
<link href="${appPath}/static/css/login.css" rel="stylesheet">

</head>
<body>

<div class="container">

    <form class="form-signin" action="/login/logincheck" method="post">
        <h2 class="form-signin-heading">登录系统</h2>
        <label for="name" class="sr-only">用户名</label>
        <input type="text" id="name" class="form-control" placeholder="请输入用户名"
required autofocus name="name">
        <label for="password" class="sr-only">Password</label>
        <input type="password" id="password" class="form-control" placeholder="请输入
密码" required name="password">
        <div class="checkbox">
            <label>
                <input type="checkbox" value="remember-me">  记住我
            </label>
        </div>
        <button class="btn btn-lg btn-primary btn-block" type="submit">登录</button>
        <a href="/login/signup" class="btn btn-lg btn-default btn-block" role="button" >
注册</a>
    </form>

</div> <!-- /container -->
<%--
用户表单：  <a  href="<%=appPath%>/user/list"  class="btn  btn-primary  btn-lg  active"
role="button">点击前往</a>
--%>
<script src="${appPath}/static/js/jquery-3.3.1.min.js"></script>
<script src="${appPath}/static/bootstrap-3.3.7-dist/css/bootstrap.min.css"></script>
```

```
</body>
</html>
```

Myprofile.jsp

```
<%--
    Created by IntelliJ IDEA.
    User: noaha
    Date: 2018/6/4
    Time: 1:39
    To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<% String appPath = request.getContextPath(); %>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head; any other head content must
come *after* these tags -->
    <meta name="description" content="">
    <meta name="author" content="">
    <link rel="icon" href="${appPath}/static/bootstrap-3.3.7-dist/docs/favicon.ico">

    <title>我的资料</title>
</head>
<body align="center">
<jsp:include page="navbar.jsp"></jsp:include>

<div class="row clearfix">
    <div class="col-md-12 column">
        <div class="page-header">
            <h1>我的资料</h1>
        </div>
    </div>
</div>

<div class="container">
```

```html
<form class="form-horizontal" method="post" action="/user/updateuser">
    <div class="form-group">
        <label for="inputId" class="col-sm-2 control-label">用户 id</label>
        <div class="col-sm-10">
            <input type="text" class="form-control" id="inputId" name="id" placeholder="${user.id}" disabled="true">
        </div>
    </div>
    <div class="form-group">
        <label for="inputName" class="col-sm-2 control-label">密码</label>
        <div class="col-sm-10">
            <input type="text" class="form-control" id="inputName" name="name" placeholder="${user.name}" disabled="true">
        </div>
    </div>
    <div class="form-group">
        <label for="inputPassword" class="col-sm-2 control-label">用户名</label>
        <div class="col-sm-10">
            <input type="password" class="form-control" id="inputPassword" name="password" placeholder="${user.password}" >
        </div>
    </div>

    <div class="form-group">
        <div class="col-sm-offset-2 col-sm-10">
            <button type="submit" class="btn btn-default">修改信息</button>
            <a href="/home/rate" role="button" class="btn btn-primary">返回首页</a>
        </div>
    </div>
</form>

</div>


</body>
</html>
```

Navbar.jsp

```jsp
<%--
  Created by IntelliJ IDEA.
```

```
  User: noaha
  Date: 2018/5/30
  Time: 16:18
  To change this template use File | Settings | File Templates.
--%>
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>

<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<% String appPath = request.getContextPath(); %>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head; any other head content must
come *after* these tags -->
    <meta name="description" content="">
    <meta name="author" content="">
    <link rel="icon" href="${appPath}/static/bootstrap-3.3.7-dist/docs/favicon.ico">

    <title>导航条</title>

    <!-- Bootstrap core CSS -->
    <link                 href="${appPath}/static/bootstrap-3.3.7-dist/css/bootstrap.min.css"
rel="stylesheet">

    <!-- IE10 viewport hack for Surface/desktop Windows 8 bug -->
    <link href="../../assets/css/ie10-viewport-bug-workaround.css" rel="stylesheet">

    <!-- Custom styles for this template -->
    <link href="/static/css/navbar-fixed-top.css" rel="stylesheet">
    <link href="/static/css/sticky-footer-navbar.css" rel="stylesheet">

    <!-- Just for debugging purposes. Don't actually copy these 2 lines! -->
    <!--[if      lt      IE      9]><script       src="../../assets/js/ie8-responsive-file-
warning.js"></script><![endif]-->
    <script src="../../assets/js/ie-emulation-modes-warning.js"></script>

    <!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries
-->
    <!--[if lt IE 9]>
    <script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
    <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
    <![endif]-->
```

```
</head>

<body>

<!-- Fixed navbar -->
<nav class="navbar navbar-default navbar-fixed-top">
    <div class="container">

        <div class="navbar-header">
            <button type="button" class="navbar-toggle collapsed" data-
toggle="collapse" data-target="#navbar" aria-expanded="false" aria-controls="navbar">
                <span class="sr-only">Toggle navigation</span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
                <span class="icon-bar"></span>
            </button>
            <a class="navbar-brand">房租管理系统</a>
        </div>
        <div id="navbar" class="navbar-collapse collapse">
            <ul class="nav navbar-nav">
                <li class="active"><a href="/home/rate">首页</a></li>
                <li class="dropdown">
                    <a href="#" class="dropdown-toggle" data-toggle="dropdown"
role="button" aria-haspopup="true" aria-expanded="false"> 房 源 <span
class="caret"></span></a>
                    <ul class="dropdown-menu">
                        <li><a href="/house/vacantlist">待租列表</a></li>
                        <li><a href="/house/occupancylist">已租列表</a></li>
                        <li role="separator" class="divider"></li>
                        <li><a href="/house/newhouse">添加房源</a></li>
                    </ul>
                </li>
                <li class="dropdown">
                    <a href="#" class="dropdown-toggle" data-toggle="dropdown"
role="button" aria-haspopup="true" aria-expanded="false"> 分 析 <span
class="caret"></span></a>
                    <ul class="dropdown-menu">
                        <li><a href="/agreement/usertrend">个人租金趋势散列图
</a></li>
                    </ul>
                </li>
            </ul>
            <ul class="nav navbar-nav navbar-right">
                <li class="dropdown">
```

```html
                    <a   href="#"   class="dropdown-toggle"   data-toggle="dropdown"
role="button"   aria-haspopup="true"   aria-expanded="false">${sessionScope.username}
<span class="caret"></span></a>
                        <ul class="dropdown-menu">
                            <li><a href="/user/myprofile">个人资料</a></li>
                            <li role="separator" class="divider"></li>
                            <li><a href="/login/outlogin">退出系统</a></li>
                        </ul>
                    </li>
                </ul>
            </div><!--/.nav-collapse -->
        </div>
</nav>



<footer class="footer">
    <div class="container">
        <p class="text-muted">huzhongyu@bistu</p>
    </div>
</footer>

<!-- Bootstrap core JavaScript
================================================== -->
<!-- Placed at the end of the document so the pages load faster -->
<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
<script>window.jQuery                   ||                   document.write('<script
src="../../assets/js/vendor/jquery.min.js"><\/script>')</script>
<script src="${appPath}/static/bootstrap-3.3.7-dist/js/bootstrap.min.js"></script>

<!-- IE10 viewport hack for Surface/desktop Windows 8 bug -->
<script                  src="${appPath}/static/bootstrap-3.3.7-dist/js/ie10-viewport-bug-
workaround.js"></script>
</body>
</html>
```

Newagreement.jsp

```jsp
<%--
  Created by IntelliJ IDEA.
  User: noaha
  Date: 2018/5/30
  Time: 20:40
```

```jsp
   To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<% String appPath = request.getContextPath(); %>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head; any other head content must
come *after* these tags -->
    <meta name="description" content="">
    <meta name="author" content="">
    <link rel="icon" href="${appPath}/static/bootstrap-3.3.7-dist/docs/favicon.ico">

    <title>添加合同</title>
</head>
<body align="center">
<jsp:include page="navbar.jsp"></jsp:include>

<div class="row clearfix">
    <div class="col-md-12 column">
        <div class="page-header">
            <h1>添加合同信息</h1>
        </div>
    </div>
</div>

<div class="container">
    <form class="form-horizontal" method="post" action="/agreement/addagreement"
style="max-width: 500px;margin:   0 auto;">
        <div class="form-group">
            <label for="inputId" class="col-sm-2 control-label">房源编号</label>
            <div class="col-sm-10">
                <input type="text" class="form-control" id="inputId" name="houseId"
placeholder="请填入"${houseId}"">
            </div>
        </div>
        <div class="form-group">
            <label for="inputName" class="col-sm-2 control-label">租客姓名</label>
            <div class="col-sm-10">
                <input        type="text"        class="form-control"        id="inputName"
name="tenantName" placeholder="租客姓名">
            </div>
```

```html
        </div>
        <div class="form-group">
            <label for="inputPhone" class="col-sm-2 control-label">联系方式</label>
            <div class="col-sm-10">
                <input type="number" class="form-control" id="inputPhone" name="tenantPhone" placeholder="租客联系方式">
            </div>
        </div>
        <div class="form-group">
            <label for="inputDate" class="col-sm-2 control-label">开始日期</label>
            <div class="col-sm-10">
                <input type="date" class="form-control" id="inputDate" name="startDate" placeholder="开始日期">
            </div>
        </div>
        <div class="form-group">
            <label for="inputPeriod" class="col-sm-2 control-label">租用月数</label>
            <div class="col-sm-10">
                <input type="number" class="form-control" id="inputPeriod" name="period" placeholder="租用月数">
            </div>
        </div>
        <div class="form-group">
            <label for="inputDeposit" class="col-sm-2 control-label">合同押金</label>
            <div class="col-sm-10">
                <input type="number" class="form-control" id="inputDeposit" name="deposit" placeholder="合同押金，单位人民币">
            </div>
        </div>
        <div class="form-group">
            <label for="inputRent" class="col-sm-2 control-label">每月租金</label>
            <div class="col-sm-10">
                <input type="number" class="form-control" id="inputRent" name="rent" placeholder="每月租金，单位人民币">
            </div>
        </div>
        <div class="form-group">
            <div class="col-sm-offset-2 col-sm-10">
                <button type="submit" class="btn btn-default">确认添加</button>
                <a href="/home/rate" role="button" class="btn btn-primary">返回首页</a>
            </div>
        </div>
    </form>
```

```
</div>


</body>
</html>
```

Newhouse.jsp

```
<%--
    Created by IntelliJ IDEA.
    User: noaha
    Date: 2018/5/29
    Time: 5:10
    To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head; any other head content must
come *after* these tags -->
    <meta name="description" content="">
    <meta name="author" content="">
    <link rel="icon" href="${appPath}/static/bootstrap-3.3.7-dist/docs/favicon.ico">

    <title>添加房源</title>
</head>
<body>
<jsp:include page="navbar.jsp"></jsp:include>

<div class="row clearfix">
    <div class="col-md-12 column">
        <div class="page-header">
            <h1>添加房源信息</h1>
        </div>
    </div>
</div>

<form class="form-horizontal" method="post" action="/house/addhouse">
```

```html
<div class="form-group">
    <label for="inputName" class="col-sm-2 control-label">房源名称</label>
    <div class="col-sm-10">
        <input type="text" class="form-control" id="inputName" name="name" placeholder="房源名称">
    </div>
</div>
<div class="form-group">
    <label for="inputCity" class="col-sm-2 control-label">所在城市</label>
    <div class="col-sm-10">
        <input type="text" class="form-control" id="inputCity" name="city" placeholder="所在城市，如"北京"、"成都"。">
    </div>
</div>
<div class="form-group">
    <label for="inputCommunity" class="col-sm-2 control-label">所在小区</label>
    <div class="col-sm-10">
        <input type="text" class="form-control" id="inputCommunity" name="community" placeholder="所在小区，如"安翔南里"。">
    </div>
</div>
<div class="form-group">
    <label for="inputRoom" class="col-sm-2 control-label">单位楼室</label>
    <div class="col-sm-10">
        <input type="text" class="form-control" id="inputRoom" name="room" placeholder="单位楼室，如"1 单元 101 室"。">
    </div>
</div>
<div class="form-group">
    <label for="inputArea" class="col-sm-2 control-label">居住面积</label>
    <div class="col-sm-10">
        <input type="text" class="form-control" id="inputArea" name="area" placeholder="居住面积，单位平方米。">
    </div>
</div>
<div class="form-group">
    <label for="inputType" class="col-sm-2 control-label">房源类型</label>
    <div class="col-sm-10">
        <select class="form-control" id="inputType" name="type">
            <option>单间</option>
            <option>一室一厅</option>
            <option>两室一厅</option>
            <option>三室一厅</option>
            <option>三室两厅</option>
```

```
                <option>四室两厅</option>
            </select>
        </div>
    </div>
    <div class="form-group">
        <div class="col-sm-offset-2 col-sm-10">
            <button type="submit" class="btn btn-default">确认添加</button>
            <a href="/home/rate" role="button" class="btn btn-primary">返回首页</a>
        </div>
    </div>
</form>

</body>
</html>


Occunpancyhouse.jsp

<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%--
    Created by IntelliJ IDEA.
    User: noaha
    Date: 2018/5/29
    Time: 15:59
    To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<% String appPath = request.getContextPath(); %>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head; any other head content must
come *after* these tags -->
    <meta name="description" content="">
    <meta name="author" content="">
    <link rel="icon" href="${appPath}/static/bootstrap-3.3.7-dist/docs/favicon.ico">

    <title>已租房源</title>

    <!-- Bootstrap core CSS -->
    <link          href="${appPath}/static/bootstrap-3.3.7-dist/css/bootstrap.min.css"
rel="stylesheet">
```

```html
<!-- IE10 viewport hack for Surface/desktop Windows 8 bug -->
<link            href="${appPath}/static/bootstrap-3.3.7-dist/css/ie10-viewport-bug-
workaround.css" rel="stylesheet">

<!-- Custom styles for this template -->
<link href="${appPath}/static/css/navbar-fixed-top.css" rel="stylesheet">

<!-- Just for debugging purposes. Don't actually copy these 2 lines! -->
<!--[if lt IE 9]><script src="${appPath}/static/bootstrap-3.3.7-dist/js/ie8-responsive-
file-warning.js"></script><![endif]-->
<script            src="${appPath}/static/bootstrap-3.3.7-dist/js/ie-emulation-modes-
warning.js"></script>

<!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries
-->
<!--[if lt IE 9]>
<script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
<script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
<![endif]-->
</head>

<body>

<jsp:include page="navbar.jsp"></jsp:include>

<%-- 内容 --%>

<div class="container">
    <div class="row clearfix">
        <div class="col-md-12 column">
            <div class="page-header">
                <h1>
                    已租房源列表
                </h1>
            </div>
        </div>
    </div>
    <div class="row clearfix">
        <div class="col-md-12 column">
            <div class="page-header">
                <h1>列表 <small>显示当前列表信息</small></h1>
            </div>
        </div>
    </div>
```

```html
<div class="row clearfix">
    <div class="col-md-12 column">
        <table class="table table-hover table-striped">
            <thead>
            <tr>
                <th>房源名称</th>
                <th>所在城市</th>
                <th>所在小区</th>
                <th>单元楼室</th>
                <th>房源面积</th>
                <th>房源类型</th>
                <th colspan="6"></th>
            </tr>
            </thead>
            <tbody>

            <c:forEach var="house" items="${requestScope.get('list')}" varStatus="status">
                <tr>
                    <td>${house.name}</td>
                    <td>${house.city}</td>
                    <td>${house.community}</td>
                    <td>${house.room}</td>
                    <td>${house.area}</td>
                    <td>${house.type}</td>
                    <td><a role="button" class="btn btn-primary" href="/house/checkout/${house.id}">退租管理</a></td>
                    <td><a role="button" class="btn btn-primary" href="/agreement/history/${house.id}">历史合同</a></td>
                    <td><a role="button" class="btn btn-primary" href="/agreement/citytrend/${house.id}">同城租金趋势</a></td>
                    <td><a role="button" class="btn btn-primary" href="/agreement/communitytrend/${house.id}">同小区趋势</a></td>
                    <td><a role="button" class="btn btn-danger" href="/house/updatehouse/${house.id}">编辑房源</a></td>
                    <td><a role="button" class="btn btn-danger" href="/house/delete/${house.id}">删除房源</a></td>
                </tr>
            </c:forEach>


            </tbody>
        </table>
    </div>
```

```
        </div>
</div>



<!-- Bootstrap core JavaScript
================================================== -->
<!-- Placed at the end of the document so the pages load faster -->

</body>
</html>
```

Signup.jsp

```
<%--
    Created by IntelliJ IDEA.
    User: noaha
    Date: 2018/5/17
    Time: 23:12
    To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<% String appPath = request.getContextPath(); %>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- 上述 3 个 meta 标签*必须*放在最前面，任何其他内容都*必须*跟随其后！   -->
    <meta name="description" content="">
    <meta name="author" content="">
    <link rel="icon" href=".${appPath}/static/bootstrap-3.3.7-dist/docs/favicon.ico">

    <title>用户注册</title>

    <!-- Bootstrap core CSS -->
    <link                 href="${appPath}/static/bootstrap-3.3.7-dist/css/bootstrap.min.css"
rel="stylesheet">

    <!-- IE10 viewport hack for Surface/desktop Windows 8 bug -->
    <link href="../../assets/css/ie10-viewport-bug-workaround.css" rel="stylesheet">

    <!-- Custom styles for this template -->
```

```html
    <link href="/static/css/signup.css" rel="stylesheet">

</head>
<body>

<div class="container">

    <form class="form-signup" action="/login/btnsignup" method="post">
        <h2 class="form-signup-heading">用户注册</h2>
        <label for="name" class="sr-only">用户名</label>
        <input type="text" id="name" class="form-control" placeholder="请输入用户名" required autofocus name="name">
        <label for="password" class="sr-only">Password</label>
        <input type="password" id="password" class="form-control" placeholder="请输入密码" required name="password">
        <button class="btn btn-lg btn-primary btn-block" type="submit">确认注册</button>
        <a href="/WEB-INF/jsp/login.jsp" class="btn btn-lg btn-default btn-block" role="button" >返回登录</a>
    </form>

</div> <!-- /container -->
<%--
用户表单： <a href="<%=appPath%>/user/list" class="btn btn-primary btn-lg active" role="button">点击前往</a>
--%>
<script src="${appPath}/static/js/jquery-3.3.1.min.js"></script>
<script src="${appPath}/static/bootstrap-3.3.7-dist/css/bootstrap.min.css"></script>



</body>
</html>
```

Success.jsp

```jsp
<%--
    Created by IntelliJ IDEA.
    User: noaha
    Date: 2018/5/29
    Time: 17:47
    To change this template use File | Settings | File Templates.
```

```
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<% String appPath = request.getContextPath(); %>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head; any other head content must
come *after* these tags -->
    <meta name="description" content="">
    <meta name="author" content="">
    <meta http-equiv="refresh" content="1;url=/home/rate"/>
    <link rel="icon" href=".${appPath}/static/bootstrap-3.3.7-dist/docs/favicon.ico">

    <title>主页</title>

    <!-- Bootstrap core CSS -->
    <link                 href="${appPath}/static/bootstrap-3.3.7-dist/css/bootstrap.min.css"
rel="stylesheet">

    <!-- IE10 viewport hack for Surface/desktop Windows 8 bug -->
    <link href="../../assets/css/ie10-viewport-bug-workaround.css" rel="stylesheet">

    <!-- Custom styles for this template -->
    <link href="/static/css/navbar-fixed-top.css" rel="stylesheet">

    <!-- Just for debugging purposes. Don't actually copy these 2 lines! -->
    <!--[if      lt      IE      9]><script      src="../../assets/js/ie8-responsive-file-
warning.js"></script><![endif]-->
    <script src="../../assets/js/ie-emulation-modes-warning.js"></script>

    <!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries
-->
    <!--[if lt IE 9]>
    <script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
    <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
    <![endif]-->
</head>

<body>

<jsp:include page="navbar.jsp"></jsp:include>
```

```
<%-- 内容 --%>

<div class="container">
    <div class="row clearfix">
        <div class="col-md-12 column">
            <div class="page-header">
                <h1>
                    登陆成功，即将跳转至首页。
                </h1>
            </div>
        </div>
    </div>
</div>



<!-- Bootstrap core JavaScript
================================================== -->
<!-- Placed at the end of the document so the pages load faster -->
<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
<script>window.jQuery || document.write('<script
src="../../assets/js/vendor/jquery.min.js"><\/script>')</script>
<script src="${appPath}/static/bootstrap-3.3.7-dist/js/bootstrap.min.js"></script>

<!-- IE10 viewport hack for Surface/desktop Windows 8 bug -->
<script src="${appPath}/static/bootstrap-3.3.7-dist/js/ie10-viewport-bug-
workaround.js"></script>
</body>
</html>
```

Updateagreement.jsp

```
<%--
  Created by IntelliJ IDEA.
  User: noaha
  Date: 2018/6/4
  Time: 1:39
  To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<% String appPath = request.getContextPath(); %>
<html>
```

```html
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head; any other head content must
come *after* these tags -->
    <meta name="description" content="">
    <meta name="author" content="">
    <link rel="icon" href="${appPath}/static/bootstrap-3.3.7-dist/docs/favicon.ico">

    <title>更新合同信息</title>
</head>
<body align="center">
<jsp:include page="navbar.jsp"></jsp:include>

<div class="row clearfix">
    <div class="col-md-12 column">
        <div class="page-header">
            <h1>修改合同信息</h1>
        </div>
    </div>
</div>

<div class="container">
    <form      class="form-horizontal"     method="post"     action="/agreement/update"
style="max-width: 500px;margin:   0 auto;">
        <div class="form-group">
            <label for="inputId" class="col-sm-2 control-label">合同编号</label>
            <div class="col-sm-10">
                <input    type="text"    class="form-control"    id="inputId"    name="id"
placeholder="${agreement.id}" required>
            </div>
        </div>
        <div class="form-group">
            <label for="inputName" class="col-sm-2 control-label">租客姓名</label>
            <div class="col-sm-10">
                <input         type="text"         class="form-control"         id="inputName"
name="tenantName" placeholder="${agreement.tenantName}" required>
            </div>
        </div>
        <div class="form-group">
            <label for="inputPhone" class="col-sm-2 control-label">联系方式</label>
            <div class="col-sm-10">
                <input        type="number"        class="form-control"        id="inputPhone"
```

```
name="tenantPhone" placeholder="${agreement.tenantPhone}" required>
            </div>
        </div>
        <div class="form-group">
            <label for="inputDate" class="col-sm-2 control-label">开始日期</label>
            <div class="col-sm-10">
                <input    type="text"    onfocus="(this.type='date')"    class="form-control"
id="inputDate" name="startDate" placeholder="${agreement.startDate}" required>
            </div>
        </div>
        <div class="form-group">
            <label for="inputPeriod" class="col-sm-2 control-label">租用月数</label>
            <div class="col-sm-10">
                <input      type="number"      class="form-control"      id="inputPeriod"
name="period" placeholder="${agreement.period}" required>
            </div>
        </div>
        <div class="form-group">
            <label for="inputDeposit" class="col-sm-2 control-label">合同押金</label>
            <div class="col-sm-10">
                <input      type="number"      class="form-control"      id="inputDeposit"
name="deposit" placeholder="${agreement.deposit}" required>
            </div>
        </div>
        <div class="form-group">
            <label for="inputRent" class="col-sm-2 control-label">每月租金</label>
            <div class="col-sm-10">
                <input type="number" class="form-control" id="inputRent" name="rent"
placeholder="${agreement.rent}" required>
            </div>
        </div>
        <div class="form-group">
            <div class="col-sm-offset-2 col-sm-10">
                <button type="submit" class="btn btn-default">确认修改</button>
                <a href="/home/rate" role="button" class="btn btn-primary">返回首页
</a>
            </div>
        </div>
    </form>

</div>


</body>
```

```
</html>
```

Updatehouse.jsp

```
<%--
    Created by IntelliJ IDEA.
    User: noaha
    Date: 2018/6/4
    Time: 1:39
    To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<% String appPath = request.getContextPath(); %>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- The above 3 meta tags *must* come first in the head; any other head content must
come *after* these tags -->
    <meta name="description" content="">
    <meta name="author" content="">
    <link rel="icon" href="${appPath}/static/bootstrap-3.3.7-dist/docs/favicon.ico">

    <title>更新房源信息</title>
</head>
<body align="center">
<jsp:include page="navbar.jsp"></jsp:include>

<div class="row clearfix">
    <div class="col-md-12 column">
        <div class="page-header">
            <h1>修改房源信息</h1>
        </div>
    </div>
</div>

<div class="container">
    <form class="form-horizontal" method="post" action="/house/update">
        <div class="form-group">
            <label for="inputId" class="col-sm-2 control-label">房源名称</label>
            <div class="col-sm-10">
```

```html
                            <input    type="text"    class="form-control"    id="inputId"    name="id"
placeholder="${house.id}" required>
                        </div>
                </div>
                <div class="form-group">
                        <label for="inputName" class="col-sm-2 control-label">房源名称</label>
                        <div class="col-sm-10">
                                <input type="text" class="form-control" id="inputName" name="name"
placeholder="${house.name}" required>
                        </div>
                </div>
                <div class="form-group">
                        <label for="inputCity" class="col-sm-2 control-label">所在城市</label>
                        <div class="col-sm-10">
                                <input   type="text"   class="form-control"   id="inputCity"   name="city"
placeholder="${house.city}" required>
                        </div>
                </div>
                <div class="form-group">
                        <label   for="inputCommunity"   class="col-sm-2   control-label"> 所 在 小 区
</label>
                        <div class="col-sm-10">
                                <input      type="text"      class="form-control"      id="inputCommunity"
name="community" placeholder="${house.community}" required>
                        </div>
                </div>
                <div class="form-group">
                        <label for="inputRoom" class="col-sm-2 control-label">单位楼室</label>
                        <div class="col-sm-10">
                                <input type="text" class="form-control" id="inputRoom" name="room"
placeholder="${house.room}" required>
                        </div>
                </div>
                <div class="form-group">
                        <label for="inputArea" class="col-sm-2 control-label">居住面积</label>
                        <div class="col-sm-10">
                                <input   type="text"   class="form-control"   id="inputArea"   name="area"
placeholder="${house.area}" required>
                        </div>
                </div>
                <div class="form-group">
                        <label for="inputType" class="col-sm-2 control-label">房源类型</label>
                        <div class="col-sm-10">
                                <select class="form-control" id="inputType" name="type" required>
```

```
                        <option disabled selected>原类型：${house.type}</option>
                        <option>单间</option>
                        <option>一室一厅</option>
                        <option>两室一厅</option>
                        <option>三室一厅</option>
                        <option>三室两厅</option>
                        <option>四室两厅</option>
                    </select>
                </div>
            </div>
            <div class="form-group">
                <div class="col-sm-offset-2 col-sm-10">
                    <button type="submit" class="btn btn-default">确认修改</button>
                    <a href="/home/rate" role="button" class="btn btn-primary">返回首页</a>
                </div>
            </div>
        </form>

    </div>


</body>
</html>
```

Usertrend.jsp

```
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%--
    Created by IntelliJ IDEA.
    User: noaha
    Date: 2018/5/29
    Time: 15:59
    To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<% String appPath = request.getContextPath(); %>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
```

<!-- The above 3 meta tags *must* come first in the head; any other head content must come *after* these tags -->
    <meta name="description" content="">
    <meta name="author" content="">
    <link rel="icon" href="${appPath}/static/bootstrap-3.3.7-dist/docs/favicon.ico">

    <title>用户历史合同趋势</title>

    <!-- Bootstrap core CSS -->
    <link   href="${appPath}/static/bootstrap-3.3.7-dist/css/bootstrap.min.css"
rel="stylesheet">

    <!-- IE10 viewport hack for Surface/desktop Windows 8 bug -->
    <link   href="${appPath}/static/bootstrap-3.3.7-dist/css/ie10-viewport-bug-
workaround.css" rel="stylesheet">

    <!-- Custom styles for this template -->
    <link href="${appPath}/static/css/navbar-fixed-top.css" rel="stylesheet">

    <!-- Just for debugging purposes. Don't actually copy these 2 lines! -->
    <!--[if lt IE 9]><script src="${appPath}/static/bootstrap-3.3.7-dist/js/ie8-responsive-
file-warning.js"></script><![endif]-->
    <script   src="${appPath}/static/bootstrap-3.3.7-dist/js/ie-emulation-modes-
warning.js"></script>
    <script src="${appPath}/static/js/echarts.js"></script>

    <!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries
-->
    <!--[if lt IE 9]>
    <script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
    <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
    <![endif]-->
</head>

<body>

<!-- Fixed navbar -->
<jsp:include page="navbar.jsp"></jsp:include>

<%-- 内容 --%>
<div id="main" style="width: 600px;height:400px;"></div>
<script type="text/javascript">
    // 基于准备好的 dom，初始化 echarts 实例
    var myChart = echarts.init(document.getElementById('main'));

```
// 指定图表的配置项和数据
var option = {
    title: {
        text: '用户历史合同趋势'
    },
    tooltip: {},
    legend: {
        data:['租金']
    },
    xAxis: {
        type:'time'
    },
    yAxis: {},
    series: [{
        symbolSize: 20,
        data: [
            <c:forEach var="agreement" items="${requestScope.get('list')}">
            ['${agreement.startDate}',${agreement.rent}],
            </c:forEach>
        ],
        type: 'scatter'
    }]
};

// 使用刚指定的配置项和数据显示图表。
myChart.setOption(option);
</script>



</body>
</html>
```

Vacanthouse.jsp

```
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%--
    Created by IntelliJ IDEA.
    User: noaha
    Date: 2018/5/29
    Time: 5:45
```

To change this template use File | Settings | File Templates.
--%>
<%@ page contentType="text/html;charset=UTF-8" language="java" %>
<html>
<head>
    <title>待租房源</title>
</head>
<body>
<jsp:include page="navbar.jsp"></jsp:include>

<div class="container">
    <div class="row clearfix">
        <div class="col-md-12 column">
            <div class="page-header">
                <h1>
                    待租房源列表
                </h1>
            </div>
        </div>
    </div>
    <div class="row clearfix">
        <div class="col-md-12 column">
            <div class="page-header">
                <h1>列表 <small>显示当前列表信息</small></h1>
            </div>
        </div>
    </div>
    <div class="row clearfix">
        <div class="col-md-12 column">
            <table class="table table-hover table-striped">
                <thead>
                <tr>
                    <th>房源名称</th>
                    <th>所在城市</th>
                    <th>所在小区</th>
                    <th>单元楼室</th>
                    <th>房源面积</th>
                    <th>房源类型</th>
                    <th colspan="6"></th>
                </tr>
                </thead>
                <tbody>

                <c:forEach   var="house"   items="${requestScope.get('list')}"
```

```
varStatus="status">
                <tr>
                    <td>${house.name}</td>
                    <td>${house.city}</td>
                    <td>${house.community}</td>
                    <td>${house.room}</td>
                    <td>${house.area}</td>
                    <td>${house.type}</td>
                    <td><a      role="button"      class="btn      btn-primary"
href="/agreement/newagreement/${house.id}">添加合同</a></td>
                    <td><a      role="button"      class="btn      btn-primary"
href="/house/checkin/${house.id}">登记入住</a></td>
                    <td><a      role="button"      class="btn      btn-primary"
href="/agreement/history/${house.id}">历史合同</a></td>
                    <td><a      role="button"      class="btn      btn-primary"
href="/agreement/citytrend/${house.id}">同城租金趋势</a></td>
                    <td><a      role="button"      class="btn      btn-primary"
href="/agreement/communitytrend/${house.id}">同小区趋势</a></td>
                    <td><a      role="button"      class="btn       btn-danger"
href="/house/updatehouse/${house.id}">编辑房源</a></td>
                    <td><a      role="button"      class="btn       btn-danger"
href="/house/delete/${house.id}">删除房源</a></td>
                </tr>
            </c:forEach>


            </tbody>
        </table>
    </div>
  </div>
</div>
</body>
</html>
```