**投票系统使用说明**

**一．开发环境**

1. 本系统后台开发环境：Eclipsejee +Mysql +Tomcat +Servlet 3.0 + JSP + JDBC + JSTL

2. 本系统前台开发环境：HTML + JavaScript + CSS + Bootstrap + JQuery

3. 访问说明：http://ip:端口号/工程名。如：http://localhost:8080/VotedSystem/

**二．运行环境**

1. 环境要求：Tomcat 7以上+ Mysql（数据库账号和密码为：root ，123456）

建立好数据库后，直接把war包放到服务器可访问路径下即可访问。

2. SQL语句如下：（也可以在项目里VotedSystem目录下的db\_vote.sql）

/\*

Navicat Premium Data Transfer

Source Server : MySQL

Source Server Type : MySQL

Source Server Version : 50722

Source Host : localhost:3306

Source Schema : db\_vote

Target Server Type : MySQL

Target Server Version : 50722

File Encoding : 65001

Date: 20/11/2018 19:36:34

\*/

SET NAMES utf8mb4;

SET FOREIGN\_KEY\_CHECKS = 0;

-- ----------------------------

-- Table structure for item

-- ----------------------------

DROP TABLE IF EXISTS `item`;

CREATE TABLE `item` (

`id` int(11) NOT NULL AUTO\_INCREMENT,

`theme` varchar(255) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL COMMENT '投票主题',

`option\_ids` varchar(255) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL COMMENT '投票的选项id列表',

`user\_id` int(11) NOT NULL COMMENT '创建投票的用户id',

`start\_time` datetime(0) NOT NULL COMMENT '投票开始时间',

`stop\_time` datetime(0) NOT NULL COMMENT '投票结束时间',

`type` char(1) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL DEFAULT '1' COMMENT '投票类型，1为单选，2为多选，3为评分制',

`number` int(11) NOT NULL DEFAULT 1 COMMENT '可选选项的数目，默认一项，即单选',

`count` int(11) NOT NULL DEFAULT 0 COMMENT '候选人人数',

`is\_stop` char(1) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL DEFAULT '2' COMMENT '是否停止，默认启动',

`is\_waiver` char(1) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL DEFAULT '0' COMMENT '是否能弃权，默认不能弃权',

`is\_oppose` char(1) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL DEFAULT '0' COMMENT '是否可投反对票，默认不能反对',

PRIMARY KEY (`id`) USING BTREE,

INDEX `user\_id`(`user\_id`) USING BTREE,

CONSTRAINT `user\_id` FOREIGN KEY (`user\_id`) REFERENCES `user` (`id`) ON DELETE CASCADE ON UPDATE CASCADE

) ENGINE = InnoDB AUTO\_INCREMENT = 10 CHARACTER SET = utf8 COLLATE = utf8\_general\_ci ROW\_FORMAT = Dynamic;

-- ----------------------------

-- Table structure for item\_options

-- ----------------------------

DROP TABLE IF EXISTS `item\_options`;

CREATE TABLE `item\_options` (

`id` int(11) NOT NULL AUTO\_INCREMENT,

`item\_id` int(11) NOT NULL COMMENT '投票主题id',

`name` varchar(255) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL COMMENT '候选人名字',

`sex` varchar(50) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL COMMENT '候选人性别',

`birthday` date NULL DEFAULT NULL COMMENT '候选人出生日期',

`age` varchar(3) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL COMMENT '候选人年龄',

`nation` varchar(255) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL COMMENT '候选人民族',

`political` varchar(255) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL COMMENT '候选人政治面貌',

`address` varchar(255) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL COMMENT '候选人家庭地址',

`telephone` varchar(255) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL COMMENT '候选人联系号码',

`content` varchar(255) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL COMMENT '投票选项的内容，即人名，也可以不是人名',

`recommend` longtext CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL COMMENT '候选人推荐意见',

PRIMARY KEY (`id`) USING BTREE,

INDEX `item\_id`(`item\_id`) USING BTREE,

CONSTRAINT `item\_id` FOREIGN KEY (`item\_id`) REFERENCES `item` (`id`) ON DELETE CASCADE ON UPDATE CASCADE

) ENGINE = InnoDB AUTO\_INCREMENT = 29 CHARACTER SET = utf8 COLLATE = utf8\_general\_ci ROW\_FORMAT = Dynamic;

-- ----------------------------

-- Table structure for result

-- ----------------------------

DROP TABLE IF EXISTS `result`;

CREATE TABLE `result` (

`user\_id` int(11) NULL DEFAULT NULL,

`item\_id` int(11) NOT NULL,

`select\_id` int(11) NOT NULL,

`score` int(11) NOT NULL DEFAULT 1,

`vote\_time` datetime(0) NULL DEFAULT NULL,

`ip` varchar(128) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL,

INDEX `item\_id`(`item\_id`) USING BTREE,

INDEX `select\_id`(`select\_id`) USING BTREE,

CONSTRAINT `result\_ibfk\_1` FOREIGN KEY (`select\_id`) REFERENCES `item\_options` (`id`) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT `result\_item\_id` FOREIGN KEY (`item\_id`) REFERENCES `item` (`id`) ON DELETE CASCADE ON UPDATE CASCADE

) ENGINE = InnoDB CHARACTER SET = utf8 COLLATE = utf8\_general\_ci ROW\_FORMAT = Dynamic;

-- ----------------------------

-- Table structure for user

-- ----------------------------

DROP TABLE IF EXISTS `user`;

CREATE TABLE `user` (

`id` int(11) NOT NULL AUTO\_INCREMENT,

`username` varchar(255) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL,

`password` varchar(255) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL,

`realname` varchar(255) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL,

`telephone` varchar(255) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL,

`sex` varchar(50) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL,

`birthday` date NULL DEFAULT NULL COMMENT '出生日期，计算年龄',

`create\_time` bigint(20) NOT NULL COMMENT '创建日期',

`level` int(11) NOT NULL DEFAULT 1 COMMENT '用户级别，0为管理员，1为普通用户',

PRIMARY KEY (`id`) USING BTREE

) ENGINE = InnoDB AUTO\_INCREMENT = 11 CHARACTER SET = utf8 COLLATE = utf8\_general\_ci ROW\_FORMAT = Dynamic;

SET FOREIGN\_KEY\_CHECKS = 1;