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**数字媒体技术专业**

**《Web服务技术》课程实训报告**

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| 实验名称： | 实训2 基于jQM+php+mysql的 移动端同学管理系统  |
| 时 间： | 2019.11.01  |
| 地 点： | 教学楼1-216  |
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实训2基于jQM+php+mysql的移动端同学管理系统

**1. 实训要求**

* 后台数据库:MySQL、数据表---同学表(学号、姓名、性别、生日、手机号、QQ号、EMail、家庭住址、照片)，用户表(用户名、密码)。
* Web端：编程语言php、实现同学表的增删改查和登录。
* 手机端：基于Html5、Css3、jQuery、jQueryMobile等(或其他移动UI框架)技术实现：登录页面(用户名、密码)、主界面(含菜单、logo、版权)、浏览页面(姓名、手机号、，，，)、增删改同学、拨打同学电话、发送EMail、发短信。
* 前后端数据交流采用ajax+json技术，密码传送、保存采用md5技术。
* 增删改同学信息要求客户端h5验证输入数据、数据库端SQL存储约束验证数据。
* 文件名、数据库名、表名种要有设计者姓名字母缩写，字段名用中文。
* 项目要部署在阿里centos云上、数据库要部署在阿里MySql云端，要在手机端上网浏览，运行界面要美观、整洁。
* 软件版本：jQery 1.11.3、jQuery Mobile 1.45、php 7.3.10、MySql 5.7.23

**2. 实训原理**

**jQuery**。 **每个知识点写上2-5行解释**

**jQuery Moblie**。

**Php**。

**Php pdo**。

**MySql**。

**Ajax Jsonl**。

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**3. 实训过程**

**3.1 数据库**

 

图1 用户表 图2 班级表



图3 同学表字段

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| --- |
| **--1. 创建数据库**在Navicat中创建“XXX的数据库”，字符集设为utf8、排序规则设utf8\_general\_ci**--2. 创建用户并授权** **grant all on `...的库`.\* to WBd@'%' identified by 'mm....>';****或**CREATE USER `**你的用户名**`@`%` IDENTIFIED BY '**你的密码**';GRANT all ON `**XXX**的数据库`.\* TO `用户`@`%`;2.1 登录MySQLmysql -u root -p 2.2 添加新用户（允许所有ip访问）create user 'test'@'\*' identified by '123456';（test:用户名，\*：所有ip地址，123456：密码）2.3 创建数据库create database testdb;2.4 为新用户分配权限grant all on `testdb`.\* to 'test'@'%' identified by '123456'; 2.5 刷新权限flush privileges;-3. 创建班级表，同学表，用户表**--同班级表：**CREATE TABLE `班级表\_xxx` ( `id` int(11) NOT NULL AUTO\_INCREMENT, `名称` varchar(50) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL, `备注` varchar(100) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL, PRIMARY KEY (`id`) USING BTREE, UNIQUE INDEX `名称`(`名称`) USING BTREE) ENGINE = InnoDB AUTO\_INCREMENT = 10000 CHARACTER SET = utf8 COLLATE = utf8\_general\_ci ROW\_FORMAT = Compact;INSERT INTO `班级表\_xxx` VALUES (10001, '17新媒体', '周1上课');INSERT INTO `班级表\_xxx` VALUES (10002, '18新媒体', '周2上课');INSERT INTO `班级表\_xxx` VALUES (10003, '16新媒体', '');**--同学表：**CREATE TABLE `同学表\_xxx` ( `id` int(11) NOT NULL AUTO\_INCREMENT, `学号` varchar(16) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL, `姓名` varchar(10) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL, `性别` enum('男','女') CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL, `生日` date NOT NULL, `手机号` varchar(11) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL, `QQ号` varchar(12) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL, `EMail` varchar(25) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL, `籍贯` varchar(15) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL, `住址` varchar(50) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL, `照片类型` varchar(5) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL, `照片` mediumblob NULL COMMENT 'jpg格式', `班级id` int(15) NOT NULL, PRIMARY KEY (`学号`) USING BTREE, UNIQUE INDEX `id`(`id`) USING BTREE, UNIQUE INDEX `QQ号`(`QQ号`) USING BTREE, UNIQUE INDEX `手机号`(`手机号`) USING BTREE) ENGINE = InnoDB AUTO\_INCREMENT = 500000 CHARACTER SET = utf8 COLLATE = utf8\_general\_ci ROW\_FORMAT = Compact;INSERT INTO `同学表\_xxx`(班级id, `id`, `学号`, `姓名`, `性别`, `生日`, `手机号`, `QQ号`, `EMail`, `籍贯`, `住址`) VALUES (10001, 500043, '1705117103', '邓婕', '女', '1999-06-28', '18834132610', '1543329308', '1543329308@qq.com', '新疆区塔城地区沙湾县', '云天小区五栋'),(10001, 500044, '1705117105', '樊晨欣', '女', '2000-01-14', '18834142557', '1198311321', '1198311321@qq.com', '山西省运城市河津市', '河津市'),(10001, 500045, '1705117106', '樊雅茹', '女', '1998-05-24', '18734182771', '1353248144', '1353248144@qq.com', '山西省运城市盐湖区', '盐湖区'),(10001, 500046, '1705117108', '韩佳', '女', '1999-01-14', '18834134911', '879865680', '879865680@qq.com', '山西省吕梁市交城县', '交城县'),(10001, 500047, '1705117109', '韩佳玲', '女', '1999-07-17', '13546541819', '2862832159', '2862832159@qq.com', '山西省临汾市翼城县', '翼城县'),(10001, 500048, '1705117110', '韩哲轩', '男', '1999-03-23', '15952820227', '2560417650', '2560417650@qq.com', '江西省赣州市', '光彩大市场'),(10001, 500049, '1705117111', '何云舟', '男', '1999-09-26', '18734906507', '976760934', '976760934@qq.com', '浙江省金华市', '浙江金华'),(10001, 500050, '1705117112', '李青青', '女', '1997-07-04', '15535434748', '2453077327', '2453077327@qq.com', '山西省吕梁市兴县', '兴县杨玉村沟龙兴花园'),(10001, 500051, '1705117113', '李心瑶', '女', '1999-06-20', '18234488878', '1091016794', '1091016794@qq.com', '山西省晋中市介休市', '介休市'),(10001, 500052, '1705117114', '李欣怡', '女', '1997-12-06', '18035116405', '1602783493', '1602783493@qq.com', '山西省吕梁市兴县', '兴县蔡家会镇阳坪上村108号'),(10001, 500053, '1705117116', '刘国志雄', '男', '1999-10-02', '18926488189', '1035454504', '1035454504@qq.com', '广东省', '广东'),(10001, 500054, '1705117117', '乔润桐', '女', '1999-09-01', '13333488712', '835097212', '835097212@qq.com', '山西省运城市平陆县', '平陆县'),(10001, 500055, '1705117118', '尚鑫贝', '女', '1999-10-05', '15735342291', '2410061171', '2410061171@qq.com', '山西省运城市永济市', '永济市卿头镇白坊村一组'),(10001, 500056, '1705117119', '宋艳菲', '女', '1998-10-24', '18734924973', '1834514406', '1834514406@qq.com', '山西省朔州市怀仁县', '亲和乡下湿庄村'),(10001, 500057, '1705117122', '王新玥', '女', '1997-05-08', '18834135836', '1598067475', '1598067475@qq.com', '河南省焦作市山阳区', '焦作市山阳区李万乡孙村'),(10001, 500058, '1705117123', '王旭东', '男', '1999-08-12', '18834130059', '2571632469', '2571632469@qq.com', '山西省运城市新绛县', '阳王镇裴社村'),(10001, 500059, '1705117124', '王燕妮', '女', '1999-04-16', '18834136062', '446399055', '446399055@qq.com', '山西省运城市盐湖区', '盐湖区王范乡刘村庄'),(10001, 500060, '1705117126', '王子龙', '男', '1999-09-21', '18734184595', '1024431688', '1024431688@qq.com', '山西省太原市', '山西太原'),(10001, 500061, '1705117127', '翁嘉宏', '男', '1999-09-22', '18834135669', '292636500', '292636500@qq.com', '海南省海口市龙华区', '海南省海口市龙华区'),(10001, 500062, '1705117128', '吴沛瑶', '女', '1999-07-28', '18834135417', '3023897436', '3023897436@qq.com', '山西省太原市古交市', '古交镇前刘村'),(10001, 500063, '1705117132', '薛宏波', '男', '1998-10-10', '18734246857', '1014324384', '1014324384@qq.com', '山西省大同市阳高县', '阳高县北徐屯乡沙河台村交叉路口55号 '),(10001, 500064, '1705117133', '闫素亚', '女', '1999-03-11', '18834134873', '341490379', '341490379@qq.com', '河北省邯郸市', '河北邯郸2'),(10001, 500065, '1705117135', '叶欣', '女', '1999-02-20', '18834135221', '460910979', '460910979@qq.com', '浙江省温州市', '浙江温州'),(10001, 500066, '1705117136', '臧一帆', '男', '1999-06-02', '18734181741', '912807562', '912807562@qq.com', '山西省运城市垣曲县', '垣曲县'),(10001, 500067, '1705117141', '周丽丹', '女', '1998-12-22', '18734175976', '1605474455', '1605474455@qq.com', '贵州省毕节市大方县', '大方镇新民路166附1号'),(10001, 500068, '1705117212', '李相梅', '女', '1998-12-19', '18834157085', '2929034900', '2929034900@qq.com', '贵州省六枝特区郎岱镇', '山西大同'),(10001, 500069, '1705117215', '龙欣怡', '女', '1998-10-10', '13934540502', '1285895229', '1285895229@qq.com', '江西省', '新疆克拉玛依'),(10001, 500070, '1705117217', '路娇', '女', '1999-05-06', '18734576153', '1316086519', '1316086519@qq.com', '山西省运城市', '山西运城'),(10001, 500071, '1705117221', '阮欣宁', '男', '1999-07-28', '18834135477', '1740246215', '1740246215@qq.com', '海南省东方', '海南东方'),(10001, 500072, '1705117223', '王彬铎', '男', '1999-07-01', '18834131858', '476497402', '476497402@qq.com', '山西省运城市闻喜县', '闻喜县'),(10001, 500073, '1705117225', '王万宇', '男', '1999-06-23', '18834135396', '2215750234', '2215750234@qq.com', '黑龙江省伊春市乌马河区', '黑龙江省伊春市乌马河区'),(10001, 500074, '1705117230', '夏雪艳', '女', '1999-09-16', '18834132051', '1499735780', '1499735780@qq.com', '河南省周口市沈丘县', '河南省周口市沈丘县'),(10001, 500075, '1705117231', '徐铮', '男', '1999-04-02', '13852882604', '1056310967', '1056310967@qq.com', '江苏省泰州', '江苏泰州'),(10001, 500076, '1705117232', '杨敏', '女', '1998-07-10', '18834135981', '982644489', '982644489@qq.com', '山西神临汾市乡宁县', '乡宁县昌宁镇幸福小区一区'),(10001, 500077, '1705117233', '杨舒婷', '女', '1998-10-10', '18834135136', '956999102', '956999102@qq.com', '山西省忻州市忻府区', '雁门大道天瑞家园'),(10001, 500078, '1705117236', '张慧霞', '女', '1998-10-10', '18834130511', '2870155158', '2870155158@qq.com', '山西省运城市河津市', '河津'),(10001, 500079, '1705117237', '张然', '女', '1998-02-05', '18834135583', '958368920', '958368920@qq.com', '山西省运城市盐湖区', '王范乡下马村'),(10001, 500080, '1705117239', '张瑜', '女', '1998-10-10', '18834132511', '362353107', '362353107@qq.com', '山西省大同市', '山西省大同市'),(10001, 500135, '1705117240', '赵俊洁', '女', '1997-07-07', '18734823187', '2312490615', '2312490615@qq.com', '山西省朔州市山阴县', '后所乡帐头铺');update 同学表\_xxx set 照片类型 = 'jpg';update 同学表\_xxx set 班级id = 10002 where 姓名 = '王彬铎';update 同学表\_xxx set 班级id = 10002 where 姓名 = '杨舒婷';**同学表照片数据 sql见文件****--用户表：**CREATE TABLE `用户表\_xxx` ( `用户名` varchar(10) CHARACTER SET utf8 COLLATE utf8\_general\_ci NOT NULL, `密码` varchar(32) CHARACTER SET utf8 COLLATE utf8\_general\_ci NULL DEFAULT NULL, PRIMARY KEY (`用户名`) USING BTREE) ENGINE = InnoDB CHARACTER SET = utf8 COLLATE = utf8\_general\_ci ROW\_FORMAT = Compac**t;**INSERT INTO `用户表\_xxx` VALUES ('**闫XX**', MD5(CONCAT('**闫XX**',md5('**18密码**'))));**create view 同学视图\_xxx** **as****select id,学号,姓名,性别,生日,手机号,QQ号,EMail,籍贯,住址,班级id,名称 AS 班级名称,备注 AS 班级备注** **from (`同学表\_xxx` join `班级表\_xxx`** **on((`同学表\_xxx`.`班级id` = `班级表\_xxx`.`id`)))** |

**3.2 前端**

前端框架文件

|  |  |
| --- | --- |
| 说明 | 文件名 |
| js、css文件夹 | **js/** |
| jQuery框架程序 | **js/jquery-1.11.3.min.js** |
| jQuery Mobile界面样式 | **js/jquery.mobile-1.4.5.min.css** |
| jQuery Mobile界面图片文件夹 | js/images/ |
| ajax-loader动画 | js/images/ajax-loader.gif |
| 图标文件夹 | js/images/icons-png/ |
| 图标文件夹 | js/images/icons-svg/ |
| jQuery Mobile框架程序 | js/jquery.mobile-1.4.5.min.js |
| 登录界面密码md5剁碎程序 | js/md5.js |
|  |  |
| 登录界面用户图标 | **image/user.png** |
| 登录界面密码图标 | image/pwd.png |

 

图4 登录页面(page0) 图5 浏览页面(page1)

 

图6 新增同学页面(page2) 图7 查询、修改页面(page4)

 

图8 上传照片页面(setpic\_page) 图9 电话短信电邮拨打界面(page3)



图10 删除同学界面(del\_page)

移动端前端页面，在/php/jqmpdo/index.html。

<!DOCTYPE **html**>

<**html**>

<**head**>

 <**title**>XXX的同学通讯录</**title**>

 <**meta charset="utf-8"**/>

 <**meta name="viewport" content="width=device-width, initial-scale=1"**/>

 <**meta name="apple-mobile-web-app-capable" content="yes"**>

 <**meta name="apple-touch-fullscreen" content="yes"**>

 <**meta name="apple-mobile-web-app-status-bar-style" content="black"**>

 <**meta name="format-detection" content="telephone=yes"**>

 <**link rel="stylesheet" href="js/jquery.mobile-1.4.5.min.css"**/>

 <**script src="js/jquery-1.11.3.min.js"**></**script**>

 <**script src="js/jquery.mobile-1.4.5.min.js"**></**script**>

 <**script src="js/md5.js"**></**script**>

 <**script charset="utf-8"**>

 *$*(**function**(){

 *$*(***document***).on(**"pageinit"**,**"#page1"**,**function**(){

 *//$('#page1').on('pageshow', function(event, ui){*

***$***.ajax(**"getStuAll\_xxx.php"**,{

 **type**:**'get'**,

 success:**function**(data1){

 *//1、数据*

**var** data = ***JSON***.parse(data1);

 */\*2、修改模板用户数据和计数\*/*

**var** viewObj=*$*(**"#user\_view"**);

 *$*(**"#user\_count"**,viewObj).html(data.**length**);

 **for**(**var** key **in** data[0]){

 *$*(**"[dbField='"**+key+**"']"**,viewObj).html(data[0][key]);

 }

 *$*(**"[dbField='照片']"**,viewObj).attr(**'src'**, **'getPhoto\_xxx.php?id='**+data[0][**'id'**]);

 *$*(**"[dbField='通信']"**,viewObj).attr(**'href'**, **'?手机号='**+data[0][**'手机号'**]+**'&姓名='**+data[0][**'姓名'**]+**'&电邮='**+data[0][**'EMail'**]+**'#page3'**);

 *$*(**"[dbField='修改']"**,viewObj).attr(**'href'**, **'?id='**+data[0][**'id'**]+**'#page4'**);

 */\*3、循环遍历数据，并克隆模板，将数据插入到模板dbField相对应的节点中，然后增加到listview上\*/*

**for**(**var** i=1; i<data.**length**; i++){

 **var** liTplObj=*$*(**"#li\_tpl"**).clone();

 **for**(**var** key **in** data[i]){

 *$*(**"[dbField='"**+key+**"']"**,liTplObj).html(data[i][key]);

 }

 *//console.log('/getPhoto\_xxx.php?id='+data[i]['id']);*

 *$*(**"[dbField='照片']"**,liTplObj).attr(**'src'**, **'getPhoto\_xxx.php?id='**+data[i][**'id'**]);

 *$*(**"[dbField='通信']"**,liTplObj).attr(**'href'**, **'?手机号='**+data[i][**'手机号'**]+**'&姓名='**+data[i][**'姓名'**]+**'&电邮='**+data[i][**'EMail'**]+**'#page3'**);

 *$*(**"[dbField='修改']"**,liTplObj).attr(**'href'**, **'?id='**+data[i][**'id'**]+**'#page4'**);

 viewObj.append(liTplObj);

 }

 *//4、刷新 以上二种都可以刷新数据*

viewObj.**listview**(**"refresh"**);

 *//viewObj.selectmenu("refresh",true); \_xxx*

}

 });

 });

 *$*(***document***).on(**"pageinit"**,**"#page3"**,**function**(){

 **var** Obj = *$*(**"#通信"**);

 *$*(**"[dbField='姓名']"**,Obj).html(*getParameterByName*(**'姓名'**));

 *$*(**"[dbField='手机1']"**,Obj).attr(**'href'**, **'tel:'**+*getParameterByName*(**'手机号'**));

 *$*(**"[dbField='手机2']"**,Obj).attr(**'href'**, **'sms:'**+*getParameterByName*(**'手机号'**)+**'?body=短信内容'**);

 *$*(**"[dbField='电邮']"**,Obj).attr(**'href'**, **'mailto:'**+*getParameterByName*(**'EMail'**)+**'?subject=您好'**);

 });

 *$*(***document***).on(**"pageinit"**,**"#page4"**,**function**(){

 *$*(**"#e\_id"**).html(*getParameterByName*(**'id'**));

 ***$***.ajax(**"getStuById\_xxx.php?id="**+*getParameterByName*(**'id'**),{

 **type**:**'get'**,

 success:**function**(data1){

 *//1、数据*

**var** data = ***JSON***.parse(data1);

 */\*2、修改模板\*/*

**var** viewObj=*$*(**"#e\_form"**);

 **for**(**var** key **in** data[0]){

 *$*(**"[dbField='"**+key+**"']"**,viewObj).val(data[0][key]);

 }

 **if**(data[0][**'性别'**]==**'男'**)

 *$*(**"#emale"**).attr(**'checked'**, **true**).**checkboxradio**(**'refresh'**);

 **else**

*$*(**"#efamale"**).attr(**'checked'**,**true**).**checkboxradio**(**'refresh'**);

 ***console***.log(data[0][**'id'**]);

 ***console***.log(data[0][**'姓名'**]);

 *$*(**"#d\_id"**).html(data[0][**'id'**]);

 *$*(**"#d\_name"**).html(data[0][**'姓名'**]);

 *$*(**"#u\_name"**).html(data[0][**'姓名'**]);

 *$*(**"#u\_id"**).val(data[0][**'id'**]);

 }

 });

 });

 });

 *//登录按钮*

 *$*(***document***).on(**"vclick"**,**"#b\_login"**,**function**(){

 ***$***.ajax(**"login\_xxx.php"**,{

 **type**:**'post'**,

 **data**:{**"用户名"**:*$*(**"#用户名"**).val(),**"密码"**:*hex\_md5*(*$*(**"#密码"**).val())},

 success:**function**(data1){

 **var** data = ***JSON***.parse(data1);

 **if** (data.**success** == **true**)

 ***$***.**mobile**.changePage(**"#page1"**);

 **else**

*alert*(**"用户名或密码错误！"**);

*// $.messager.show({*

*// title: 'Error',*

*// msg: "用户名或密码错误！"*

*// });*

}

 });

 });

 *//添加同学—添加按钮*

 *$*(***document***).on(**"vclick"**,**"#btn\_add"**,**function**(){

 ***$***.ajax(**"addStu\_xxx.php"**,{

 **type**:**'post'**,

 **data**:{**"学号"**:*$*(**"#A学号"**).val(),**"姓名"**:*$*(**"#A姓名"**).val(),**"性别"**:*$*(**"#amale"**).attr(**'checked'**)?**'男'**:**'女'**,**"生日"**:*$*(**"#A生日"**).val(),

 **"手机号"**:*$*(**"#A手机"**).val(),**"QQ号"**:*$*(**"#AQQ"**).val(),**"EMail"**:*$*(**"#Aemail"**).val(),**"籍贯"**:*$*(**"#A籍贯"**).val(),**"住址"**:*$*(**"#A住址"**).val(),**"班级id"**:*$*(**"#A班级id"**).val()},

 success:**function**(data1){

 **var** data = ***JSON***.parse(data1);

 **if** (data.**success** == **true**)

 ***$***.**mobile**.changePage(**"#page1"**,{**reloadPage**:**false**});

 }

 });

 });

 *//修改同学—保存按钮*

 *$*(***document***).on(**"vclick"**,**"#btn\_save"**,**function**(){

 ***$***.ajax(**"saveStu\_xxx.php"**,{

 **type**:**'post'**,

 **data**:{**"id"**:*$*(**"#Eid"**).val(),**"学号"**:*$*(**"#E学号"**).val(),**"姓名"**:*$*(**"#E姓名"**).val(),**"性别"**:*$*(**"#emale"**).attr(**'checked'**)?**'男'**:**'女'**,**"生日"**:*$*(**"#E生日"**).val(),

 **"手机号"**:*$*(**"#E手机"**).val(),**"QQ号"**:*$*(**"#EQQ"**).val(),**"EMail"**:*$*(**"#Eemail"**).val(),**"籍贯"**:*$*(**"#E籍贯"**).val(),**"住址"**:*$*(**"#E住址"**).val()},

 success:**function**(data1){

 **var** data = ***JSON***.parse(data1);

 **if** (data.**success** == **true**)

 ***$***.**mobile**.changePage(**"#page1"**);

 }

 });

 });

 *//删除同学—删除按钮*

 *$*(***document***).on(**"vclick"**,**"#btn\_del"**,**function**(){

 ***$***.ajax(**"delStu\_xxx.php?id="**+*$*(**"#d\_id"**).html(),{

 **type**:**'get'**,

 success:**function**(data1){

 **var** data = ***JSON***.parse(data1);

 **if** (data.**success** == **true**)

 ***$***.**mobile**.changePage(**"#page1"**);

 }

 });

 });

 *//修改同学—上传照片按钮*

 *$*(***document***).on(**"vclick"**,**"#btn\_upphoto"**,**function**(){

 **var** formdata = **new *FormData***(*$*(**"#u\_form"**));

 ***$***.ajax(**"setPhoto\_xxx.php"**,{

 **type**:**'post'**,

 **data**:formdata,

 success:**function**(data1){

 **var** data = ***JSON***.parse(data1);

 **if** (data.**success** == **true**)

 ***$***.**mobile**.changePage(**"#page4"**);

 }

 });

 });

 *// 获取get参数*

**function** *getParameterByName*(name){

 **m** = **new *RegExp***(**'[?&]'** + name + **'=([^&]\*)'**).exec(*decodeURIComponent*(***window***.location.search));

 **return m** && *decodeURIComponent*(**m**[1].replace(/\+/g, **' '**));

 }

 **function** *handleFiles*(files){

 **if**(files.**length**){

 **let** file = files[0];

 **let** reader = **new *FileReader***();

 reader.onload = **function**(){

 *$*(**'#prephoto'**).attr(**'src'**,**this**.result);

 };

 reader.readAsDataURL(file);

 }

 }

 **var *photo***;

 </**script**>

</**head**>

<**body**>

 <**div data-role="page" id="page0"**>

 <**div data-role="header" data-position="fixed"**>

 <**a href="/index.html" data-role="button" data-icon="home" data-iconpos="notext"**>首页</**a**>

 <**h1**>XXX同学通讯录系统</**h1**>

 </**div**>

 <**div data-role="content"**>

 <**form id="f\_login"**>

 <**div data-role="fieldcontain"**>

 <**label for="username"**><**img src="image/user.png"**></**label**>

 <**input type="text" id="用户名" placeholder="输入 XXX" required**>

 <**label for="pwd"**><**img src="image/pwd.png"**></**label**>

 <**input type="password" id="密码" placeholder="输入 18" required**>

 </**div**>

 <**a id="b\_login" data-role="button" data-icon="check"** >登录</**a**>

 </**form**>

 </**div**>

 <**div data-role="footer" data-position="fixed"**>

 <**h1**>XXX工作室 2019</**h1**>

 </**div**>

 </**div**>

 <**div data-role="page" id="page1"**>

 <**div data-role="header" data-position="fixed"**>

 <**a href="#page0" data-icon="back" data-role="button" data-iconpos="notext"** >返回</**a**>

 <**h1**>XXX的同学通讯录</**h1**>

 <**a href="#page2" data-role="button" data-icon="plus" data-iconpos="notext" class="ui-btn-right" title="添加同学"**>添加同学</**a**>

 </**div**>

 <**div data-role="content"**>

 <**ul data-role='listview' id="user\_view" data-inset="true" data-filter="true" data-filter-placeholder="搜索姓名 ..."**>

 <**li data-role="list-divider"**>我的同学<**span class="ui-li-count" id="user\_count"**></**span**></**li**>

 <**li id="li\_tpl" data-icon="check"**>

 <**a dbField='通信' title="拨打电话、发短信、发电子邮件" rel="external"**>

 <**img dbField='照片' height='80px'**>

 <**h1 dbField='姓名'**></**h1**>

 <**p**>手机号:<**span dbField='手机号'**></**span**></**p**>

 <**p**>电邮:<**span dbField='EMail'**></**span**></**p**>

 </**a**>

 <**a dbField='修改' data-transition="pop" rel="external"**>查看同学详细信息或修改同学信息</**a**>

 </**li**>

 </**ul**>

 </**div**>

 <**div data-role="footer" data-position="fixed"**>

 <**h1**>XXX工作室 2019</**h1**>

 </**div**>

 </**div**>

 <**div data-role="page" id="page2"**>

 <**div data-role="header" data-position="fixed"**>

 <**h1**>新增同学</**h1**>

 <**a href="#page1" data-role="button" data-icon="back" data-iconpos="notext" class="ui-btn-right"**>返回</**a**>

 </**div**>

 <**div data-role="content"**>

 <**form method="post" id="a\_form"**>

 <**div data-role="fieldcontain"**>

 <**label for="学号"**>学号</**label**>

 <**input type="text" id="A学号" required**>

 </**div**>

 <**div data-role="fieldcontain"**>

 <**label for="姓名"**>姓名</**label**>

 <**input type="text" id="A姓名" required**>

 </**div**>

 <**div data-role="fieldcontain"**>

 <**label for="班级id"**>班级id</**label**>

 <**input type="date" id="A班级id" required**>

 </**div**>

 <**div data-role="fieldcontain"**>

 <**label for="生日"**>生日</**label**>

 <**input type="date" id="A生日" required**>

 </**div**>

 <**fieldset data-role="controlgroup" data-type="horizontal"**>

 <**label for="amale"**>男</**label**>

 <**input type="radio" name="A性别" id="amale" value="男" data-inline="true"**>

 <**label for="afamale"**>女</**label**>

 <**input type="radio" name="A性别" id="afamale" value="女" data-inline="true"**>

 </**fieldset**>

 <**div data-role="fieldcontain"**>

 <**label for="手机"**>手机</**label**>

 <**input type="text" id="A手机" required**>

 </**div**>

 <**div data-role="fieldcontain"**>

 <**label for="QQ"**>QQ号</**label**>

 <**input type="text" id="AQQ" required**>

 </**div**>

 <**div data-role="fieldcontain"**>

 <**label for="email"**>电邮</**label**>

 <**input type="email" id="Aemail" placeholder="邮箱地址.." required**>

 </**div**>

 <**div data-role="fieldcontain"**>

 <**label for="籍贯"**>籍贯</**label**>

 <**input type="text" id="A籍贯" required**>

 </**div**>

 <**div data-role="fieldcontain"**>

 <**label for="住址"**>住址</**label**>

 <**input type="text" id="A住址" placeholder="住址.."**>

 </**div**>

 </**form**>

 <**div data-role="controlgroup" data-type="horizontal"**>

 <**a href="#page1" id="btn\_add" data-role="button" data-icon="check" data-inline="true"** >保存</**a**>

 <**a href="#" data-role="button" data-rel="back" data-inline="true"**>取消</**a**>

 </**div**>

 </**div**>

 <**div data-role="footer" data-position="fixed"**>

 <**h1**>XXX工作室 2019</**h1**>

 </**div**>

 </**div**>

 <**div data-role="page" id="page3"**>

 <**div data-role="header" data-position="fixed"**>

 <**h1**>电话短信电邮</**h1**>

 <**a data-role="button" data-icon="back" data-iconpos="notext" href="#page1" class="ui-btn-right"**>返回</**a**>

 </**div**>

 <**div data-role="content"**>

 <**ul data-role="listview" id='通信'**>

 <**li**><**h2 dbField='姓名'**></**h2**></**li**>

 <**li**><**a href="#" data-ajax="false" dbField='手机1'**>拨通手机</**a**></**li**>

 <**li**><**a href="#" data-ajax="false" dbField='手机2'**>发送短信</**a**></**li**>

 <**li**><**a href="#" data-ajax="false" dbField='电邮'**>发送电邮</**a**></**li**>

 <**li**><**a href="#page1" data-icon="back"** >返回</**a**></**li**>

 </**ul**>

 </**div**>

 <**div data-role="footer" data-position="fixed"**>

 <**h1**>XXX工作室 2019</**h1**>

 </**div**>

 </**div**>

 <**div data-role="page" id="page4"**>

 <**div data-role="header" data-position="fixed"**>

 <**h1**>查询或修改同学</**h1**>

 <**a data-role="button" data-icon="back" data-iconpos="notext" href="#page1" class="ui-btn-right"**>返回</**a**>

 </**div**>

 <**div data-role="content"**>

 <**form method="post" id="e\_form"**>

 <**input dbField='id' type="hidden" id="Eid"**>

 <**div data-role="fieldcontain"**>

 <**label for="学号"**>学号</**label**>

 <**input dbField='学号' type="text" id="E学号" required**>

 </**div**>

 <**div data-role="fieldcontain"**>

 <**label for="姓名"**>姓名</**label**>

 <**input dbField='姓名' type="text" id="E姓名" required**>

 </**div**>

 <**div data-role="fieldcontain"**>

 <**label for="生日"**>生日</**label**>

 <**input dbField='生日' type="date" id="E生日" required**>

 </**div**>

 <**fieldset data-role="controlgroup" data-type="horizontal"**>

 <**label for="emale"**>男</**label**>

 <**input type="radio" name="E性别" id="emale" value="男" data-inline="true"**>

 <**label for="efamale"**>女</**label**>

 <**input type="radio" name="E性别" id="efamale" value="女" data-inline="true"**>

 </**fieldset**>

 <**div data-role="fieldcontain"**>

 <**label for="手机"**>手机</**label**>

 <**input dbField='手机号' type="text" id="E手机" required**>

 </**div**>

 <**div data-role="fieldcontain"**>

 <**label for="QQ"**>QQ号</**label**>

 <**input dbField='QQ号' type="text" id="EQQ" required**>

 </**div**>

 <**div data-role="fieldcontain"**>

 <**label for="email"**>电邮</**label**>

 <**input dbField='EMail' type="email" id="Eemail" placeholder="邮箱地址.." required**>

 </**div**>

 <**div data-role="fieldcontain"**>

 <**label for="籍贯"**>籍贯</**label**>

 <**input dbField='籍贯' type="text" id="E籍贯" required**>

 </**div**>

 <**div data-role="fieldcontain"**>

 <**label for="住址"**>住址</**label**>

 <**input dbField='住址' type="text" id="E住址" placeholder="住址.."**>

 </**div**>

 </**form**>

 <**div data-role="controlgroup" data-type="horizontal"**>

 <**a id="btn\_save" data-role="button" data-icon="check" data-inline="true"** >保存</**a**>

 <**a href="#setpic\_page" data-role="button" data-inline="true"** >上传照片</**a**>

 <**a href="#del\_page" data-role="button" data-icon="delete" data-inline="true"**>删除</**a**>

 </**div**>

 </**div**>

 <**div data-role="footer" data-position="fixed"**>

 <**h1**>XXX工作室 2019</**h1**>

 </**div**>

 </**div**>

 <**div data-role="page" id="del\_page"**>

 <**div data-role="header" data-position="fixed"**>

 <**h1**>删除同学</**h1**>

 <**a data-role="button" data-icon="back" data-iconpos="notext" href="#page1" class="ui-btn-right"**>返回</**a**>

 </**div**>

 <**div data-role="content"**>

 <**p**>id:<**span id="d\_id"**>。。</**span**></**p**>

 <**p**>姓名:<**span id="d\_name"**>。。</**span**></**p**>

 <**a id="btn\_del" data-role="button" data-icon="check" data-inline="true"** >删除</**a**>

 <**a href="#" data-role="button" data-rel="back" data-inline="true"**>取消</**a**>

 </**div**>

 <**div data-role="footer" data-position="fixed"**>

 <**h1**>XXX工作室 2019</**h1**>

 </**div**>

 </**div**>

 <**div data-role="page" id="setpic\_page"**>

 <**div data-role="header" data-position="fixed"**>

 <**h1**>上传或重传照片</**h1**>

 <**a data-role="button" data-icon="back" data-iconpos="notext" data-rel="back" class="ui-btn-right"**>返回</**a**>

 </**div**>

 <**div data-role="content"**>

 <**form id="u\_form" enctype="multipart/form-data" method="post" data-ajax="false" action="setPhoto\_xxx.php"**>

 <**input type="hidden" id="u\_id" name="id"**>

 <**p**>姓名:<**span id="u\_name"**>。。</**span**></**p**>

 <**div data-role="fieldcontain"**>

 <**label for="照片"**>照片</**label**>

 <**input type="file" name="photo" required onchange="***handleFiles*(**this**.**files**)**" accept="image/x-png,image/gif,image/jpeg,image/bmp"** >

 </**div**>

 <**input data-role="button" type="submit" value="上传照片"**>

 </**form**>

 <**img id="prephoto" height='80px'**>

 </**div**>

 <**div data-role="footer" data-position="fixed"**>

 <**h1**>XXX工作室 2019</**h1**>

 </**div**>

 </**div**>

</**body**>

</**html**>

**3.3 Web服务器后端程序**

**下列9个php文件位置**/php/jqmpdo/

(1) 数据库连接conn\_xxx.php

**<?php**

*header*(**"content-type:text/html;charset=utf-8"**);

*//header("Access-Contro$resAllow-Origin: \*");*

*//header("Access-Control-Allow-Headers: Origin, X-Requested-With, Content-Type, Accept");*

 $dsn=**"mysql:dbname=XXX的数据库;host=47.95.241.177;port=3306;charset=utf8"**;

 $db\_user=**'用户名'**;

 $db\_pass=**'密码'**;

 *//$opt = array(PDO::MYSQL\_ATTR\_INIT\_COMMAND=>'set names utf8');*

**try**{

 $pdo = **new** PDO($dsn,$db\_user,$db\_pass);*//,$opt);*

}**catch**(PDOException $e){

 **die**(**"数据库连接失败!!!"**.$e->getMessage().**"<br>"**);

 }

**?>**

(2) 登录校验 login\_xxx.php

**<?php**

$username = $\_POST[**'用户名'**];

$pwd = $\_POST[**'密码'**];

$mm = *md5*($username.$pwd);

**include 'conn\_xxx.php'**;

$sql = **"select 用户名 from 用户表\_ysy where (用户名 = '**$username**' and 密码 = '**$mm**' );"**;

$res = $pdo->query($sql);

$num\_rows = $res->rowCount();

**if** ($num\_rows==1){

 **echo** *json\_encode*(**array**(**'success'**=>**true**));

} **else** {

 **echo** *json\_encode*(**array**(**'msg'**=>**'出现一些错误。'**), ***JSON\_UNESCAPED\_UNICODE***);

}

**?>**

(3) 获取所有同学信息 getStuAll\_xxx.php

**<?php**

 **include "conn\_xxx.php"**;

 $sql= **"SELECT id,学号,姓名,性别,生日,手机号,QQ号,EMail,籍贯,住址 FROM 同学表\_xxx "**;

 $stmt = $pdo->prepare($sql);

 $stmt->execute();

 $items = $stmt->fetchAll(PDO::***FETCH\_ASSOC***);

**echo** *json\_encode*($items, ***JSON\_UNESCAPED\_UNICODE***);

 $pdo = null;

 **?>**

(4) 根据id获取同学信息 getStuById\_xxx.php

**<?php**

$id = *intval*($\_REQUEST[**'id'**]);

 **include "conn\_xxx.php"**;

 $sql= **"SELECT id,学号,姓名,性别,生日,手机号,QQ号,EMail,籍贯,住址 FROM 同学表\_xxx where id =** $id**"**;

$stmt = $pdo->prepare($sql);

 $stmt->execute( );

 $items = $stmt->fetchAll(PDO::***FETCH\_ASSOC***);

**echo** *json\_encode*($items, ***JSON\_UNESCAPED\_UNICODE***);

 $pdo = null;

 **?>**

(5) 添加同学addStu\_xxx.php

**<?php**

$xh = $\_POST[**"学号"**];

 $xm = $\_POST[**"姓名"**];

 $xb = $\_POST[**"性别"**];

 $sr = $\_POST[**"生日"**];

 $sj = $\_POST[**"手机号"**];

 $qq = $\_POST[**"QQ号"**];

 $dy = $\_POST[**"EMail"**];

 $jg = $\_POST[**"籍贯"**];

 $zz = $\_POST[**"住址"**];

 $bj = $\_POST[**"班级id"**];

 **include 'conn\_xxx.php'**;

 $sql = **"insert into 同学表\_xxx(学号, 姓名,性别, 生日, 手机号, QQ号, EMail, 籍贯, 住址, 班级id) values ('**$xh**', '**$xm**', '**$xb**', '**$sr**', '**$sj**', '**$qq**', '**$dy**', '**$jg**', '**$zz**', '**$bj**') "**;

 $res=$pdo->exec($sql);

**if** ($res ==1){

 **echo** *json\_encode*(**array**(**'success'**=>**true**));

 } **else** {

 **echo** *json\_encode*(**array**(**'msg'**=>**'出现一些错误。'**), ***JSON\_UNESCAPED\_UNICODE***);

 }

 $pdo = null;

**?>**

(6) 修改保存同学saveStu\_xxx.php

**<?php**

$id = $\_POST[**"id"**];

$xh = $\_POST[**"学号"**];

$xm = $\_POST[**"姓名"**];

$xb = $\_POST[**"性别"**];

$sr = $\_POST[**"生日"**];

$sj = $\_POST[**"手机号"**];

$qq = $\_POST[**"QQ号"**];

$dy = $\_POST[**"EMail"**];

$jg = $\_POST[**"籍贯"**];

$zz = $\_POST[**"住址"**];

$class = $\_POST[**"班级id"**];

**include 'conn\_xxx.php'**;

$sql = **"update 同学表\_xxx set 学号 = '**$xh**', 姓名 = '**$xm**', 性别 = '**$xb**', 生日 = '**$sr**', 手机号 = '**$sj**', QQ号 = '**$qq**', EMail = '**$dy**', 籍贯 = '**$jg**', 住址 = '**$zz**', 班级id = '**$class**' where id =** $id**"**;

$res=$pdo->exec($sql);

**if** ($res ==1){

 **echo** *json\_encode*(**array**(**'success'**=>**true**));

} **else** {

 **echo** *json\_encode*(**array**(**'msg'**=>**'出现一些错误。'**), ***JSON\_UNESCAPED\_UNICODE***);

}

$pdo = **null**;

**?>**

(7) 删除同学delStu\_xxx.php

**<?php**

$id = *intval*($\_REQUEST[**'id'**]);

 **include 'conn\_xxx.php'**;

 $sql = **"delete from 同学表\_xxx where id =** $id**"**;

 $res=$pdo->exec($sql);

**if** ($res==1){

 **echo** *json\_encode*(**array**(**'success'**=>**true**));

 } **else** {

 **echo** *json\_encode*(**array**(**'msg'**=>**'出现一些错误。'**), ***JSON\_UNESCAPED\_UNICODE***);

 }

 $pdo = null;

**?>**

(8) 获取同学照片getPhoto\_xxx.php

**<?php**

$id = **isset**($\_GET[**'id'**]) ? $\_GET[**'id'**] : 500046;

 **include "conn\_xxx.php"**;

 $sql = **"select 照片, 照片类型 from 同学表\_xxx where id = :id;"**;

 $stmt = $pdo->prepare($sql); ***image***/

 $stmt->execute(**array**(**":id"** => $id));

 $stmt->bindColumn(2, $ext);

 $stmt->bindColumn(1, $data, PDO::***PARAM\_LOB***);

 $stmt->fetch(PDO::***FETCH\_BOUND***);

 *header*(**"Access-Control-Allow-Origin: \*"**);

 *header*(**"Access-Control-Allow-Headers: Origin, X-Requested-With, Content-Type, Accept"**);

 *header*(**'Content-Type:image/'**.$ext);

 **echo** $data;

 $pdo = null;

 **?>**

(9) 上传保存同学照片setPhoto\_xxx.php

**<?php**

*// 连接数据库*

**include "conn\_xxx.php"**;

 $id = $\_REQUEST[**'id'**];

 $fp = *fopen*($\_FILES[**'photo'**][**'tmp\_name'**], **'rb'**);

 $file\_name = $\_FILES[**'photo'**][**'name'**];*//获取缓存区图片,格式不能变*

$ext = *explode*(**"."**, $file\_name);*//拆分获取图片名*

$ext = $ext[*count*($ext) - 1];*//取图片的后缀名*

$stmt = $pdo->prepare(**"update 同学表\_xxx set 照片 = ?, 照片类型 = ? where id = ?"**);

 $stmt->bindParam(1, $fp, PDO::***PARAM\_LOB***); *//图片二进制数据*

$stmt->bindParam(2, $ext); *//图片类型*

$stmt->bindParam(3, $id);

 $pdo->beginTransaction();

 $stmt->execute();

 $res=$pdo->commit();

 *header*(**"Access-Control-Allow-Origin: \*"**);

 *header*(**"Access-Control-Allow-Headers: Origin, X-Requested-With, Content-Type, Accept"**);

 *header*(**"content-Type: text/html; charset=utf-8"**);

 **if** ($res==1){

 *//echo json\_encode(array('success'=>true));*

**echo** *header*(**'Location:index.html#page1'**);

 **exit**;

 } **else** {

 **echo** *json\_encode*(**array**(**'msg'**=>**'出现一些错误。'**), ***JSON\_UNESCAPED\_UNICODE***);

 }

 $pdo = null;

 **?>**

 **4. 实训小结**

**写上5-9行知识点小结、收获体会**