**算法设计III实验报告**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 学号 | 班级 | 姓名 | 内容 | 比重 | 自评成绩 | 最后评分 |
| 201727010212 | 17软工R2 | 罗添盛 | 上报EMA事件APP | 25 | 90 |  |
| 201727010205 | 17软工R2 | 何智浩 | 上报EMA事件APP | 25 | 90 |  |
| 201727010224 | 17软工R2 | 曾令宏 | 上报EMA事件APP | 25 | 90 |  |
| 201727010208 | 17软工R2 | 李业天 | 上报EMA事件APP | 25 | 90 |  |

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# 一、需求说明

## 1.1用户：对食品安全的关心的热心市民，对于平时的食品安全问题密切关心，有着积极举报意识，维护良好食品安全环境的人群。

## 1.2功能：实现用户登录，注册；实现用户上传图片，视频,文字，地点，增加、查看、统计等功能。

## 1.3额外功能：

## 1.3.1、实现了可视化的界面（用户可直接看见别人用户上传的EMA事件）。

## 1.3.2、实现九宫格的图片布局，实现图片的大小的裁剪并能点击放大。

## 1.3.3、实现视频的播放，暂停，进度条的设置，以及手机垂直/水平方向的视频转置。

## 1.3.4、实现地图的定位以及可视化

因为实现APP的功能太多，所用的类也太多了，所以下面选择性的将比较重要的类打入报告中，将项目工程结构放在最后

# 二、设计

# 2.1Git

2.1.1、Android: <https://github.com/My1deA/Projectzzz.git>

2.1.2、Eclipse: <https://github.com/My1deA/AndroidTest.git>

# 2.2包

2.2.1、Android Studio:

* [c](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter02/package-frame.html" \t "D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/packageFrame)om.example/projectthree.adapter
* [c](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter02/package-frame.html" \t "D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/packageFrame)om.example/projectthree.bean
* [c](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter02/package-frame.html" \t "D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/packageFrame)om.example/projectthree.fragment
* [c](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter02/package-frame.html" \t "D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/packageFrame)om.example/projectthree.layout
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* [c](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter02/package-frame.html" \t "D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/packageFrame)om.example/projectthree.widget

2.2.2、Eclipse:

* Dao
* Medel
* Service
* Servlet
* Util

### 2.3、Android Studio

### 2.3.1、类 LoginServletActivity/RegisterServletActivity*方法概要*

[c](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter02/package-frame.html" \t "D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/packageFrame)om.example/projectthree

**public class** LoginServletActivity **extends** AppCompatActivity **implements** View.OnClickListener

**public class** RegisterServletActivity **extends** AppCompatActivity **implements** View.OnClickListener

|  |
| --- |
| **所有方法[实例方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(2);)[具体方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(8);)** |

|  |  |
| --- | --- |
| **限定符和类型** | **方法和说明** |
| void | **onCreate(**Bundle savedInstanceState**)** |
| void | **onClick(View v)** |

从类继承的方法 android.support.v7.app.AppCompatActivity;

从类实现的接口 android.view.View;

**onCreate,onClick**

### *方法详细资料*

#### onCreate

**protected void** onCreate(@Nullable Bundle savedInstanceState)

//创建视图

#### onClick

**public void** onClick(View v)

**//设置布局点击事件**

### 2.3.2、类 UploadActivity/UploadVideoActivity*方法概要*

[c](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter02/package-frame.html" \t "D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/packageFrame)om.example/projectthree

**public class** UploadVideoActivity **extends** AppCompatActivity **implements** View.OnClickListener

**public class** UploadActivity **extends** AppCompatActivity **implements** View.OnClickListener

### *方法概要*

|  |  |
| --- | --- |
| **所有方法[实例方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(2);)[具体方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(8);)** | |
| **限定符和类型** | **方法和说明** |
| void | **onCreate(**Bundle savedInstanceState**)** |
| void | **onClick(View v)** |
| void | **onActivityResult(int requestCode,int resultCode,Intent data)** |
| void | **multiFileUpload()** |
| String | **getRealPathFromURI(Uri contentUri)** |

### 从类继承的方法AppCompatActivity

### 从实现接口的方法View.OnClickListener

### *方法详细资料*

#### onCreate

**protected void** onCreate(@Nullable Bundle savedInstanceState)

#### onClick

**public void** onClick(View v)

#### onActivityResult

**protected void** onActivityResult(**int** requestCode, **int** resultCode, Intent data)

Return result

#### multiFileUpload

**public void** multiFileUpload()

Upload Many Files

#### getRealPathFromURI

**public** String getRealPathFromURI(Uri contentUri)

Return phoneURI

### 2.3.3、类 MyStringClassback*方法概要*

[c](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter02/package-frame.html" \t "D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/packageFrame)om.example.projectthree

**public class** MyStringCallback **extends** StringCallback

### *方法概要*

|  |  |
| --- | --- |
| **所有方法[实例方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(2);)[具体方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(8);)** | |
| **限定符和类型** | **方法和说明** |
| void | onBefore(Request request,int id) |
| void | onAfter(int id) |
| void | **onError(Call call,Exception e,int id)** |
| void | **onResponse(String response.int id)** |
| void | **inProgress(float progress,long total,int id)** |

### 从类继承的方法 com.zhy.http.okhttp.callback.StringCallback

### *方法详细资料*

#### onBefore

**public void** onBefore(Request request, **int** id)

#### onAfter

**public void** onAfter(**int** id)

#### onError

**public void** onError(Call call, Exception e, **int** id)

#### onResponse

**public void** onResponse(String response, **int** id)

#### inProgress

**public void** inProgress(**float** progress, **long** total, **int** id)

### 2.3.4、类 LoginServletActivity/RegisterServletActivity*方法概要*

[c](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter02/package-frame.html" \t "D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/packageFrame)om.example.projectthree

**public class** LoginServletActivity **extends** AppCompatActivity **implements** View.OnClickListener

**public class** RegisterServletActivity **extends** AppCompatActivity **implements** View.OnClickListener

### *方法概要*

|  |  |
| --- | --- |
| **所有方法[实例方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(2);)[具体方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(8);)** | |
| **限定符和类型** | **方法和说明** |
| void | **onCreate(**Bundle savedInstanceState**)** |
| void | **onClick(View v)** |

### 从类继承的方法android.support.v7.app.AppCompatActivity

### 从实现接口的方法View.OnClickListener

### *方法详细资料*

#### onCreate

**protected void** onCreate(@Nullable Bundle savedInstanceState)

#### onClick

**public void** onClick(View v)

### 2.3.5、类 AppMainActivity2*方法概要*

[c](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter02/package-frame.html" \t "D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/packageFrame)om.example.projectthree

**public class** AppMainActivity2 **extends** AppCompatActivity

### *方法概要*

|  |  |
| --- | --- |
| **所有方法[实例方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(2);)[具体方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(8);)** | |
| **限定符和类型** | **方法和说明** |
| void | **onCreate(**Bundle savedInstanceState**)** |
| Tabspec | **getTabView(int textId,int imageId)** |
| void | onRequestPessionsResult(int requestcode  String[] permissions,int [[ grantResults) |
| void | **showRationaleDialog(String messageResid,final**  **PermissionRequest request)** |
| void | **AskForPermission()** |
|  |  |

### 从类继承的方法android.support.v7.app.AppCompatActivity

### *方法详细资料*

#### onCreate

**protected void** onCreate(@Nullable Bundle savedInstanceState)

#### getTabView

**private** TabSpec getTabView(**int** textId,**int** imageId)

#### onRequestPermissionsResult

**public void** onRequestPermissionsResult(**int** requestCode, @NonNull String[] permissions, @NonNull **int**[] grantResults)

#### showRationalDialog

**private void** showRationaleDialog(String messageResId, **final** PermissionRequest request)

#### getTabView

**private** TabSpec getTabView(**int** textId,**int** imageId)

### 2.3.6、类 SecondActivity*方法概要*

[c](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter02/package-frame.html" \t "D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/packageFrame)om.example.projectthree

**public class** SecondActivity **extends** Activity

### *方法概要*

|  |  |
| --- | --- |
| **所有方法[实例方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(2);)[具体方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(8);)** | |
| **限定符和类型** | **方法和说明** |
| void | **onCreate(**Bundle savedInstanceState**)** |
| void | **initView** |
| Bitmap | getLocalBitmap(String url) |
| void | **initData()** |
| void | **finish()** |
|  |  |

### 从类继承的方法android.support.v7.app.Activity

### *方法详细资料*

#### onCreate

**protected void** onCreate(@Nullable Bundle savedInstanceState)

#### initView

**private void** initView()

#### getLocalBitmap

**public static** Bitmap getLoacalBitmap(String url)

#### initData()

**private void** initData()

#### finish()

**public void** finish()

### 2.3.7、类 MyGalleryActivity*方法概要*

[c](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter02/package-frame.html" \t "D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/packageFrame)om.example.projectthree

**public class** MyGalleryActivity **extends** AppCompatActivity **implements** ViewPager.OnPageChangeListener

### *方法概要*

|  |  |
| --- | --- |
| **所有方法[实例方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(2);)[具体方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(8);)** | |
| **限定符和类型** | **方法和说明** |
| void | **onCreate(**Bundle savedInstanceState**)** |
| void | onPause() |

### 从类继承的方法android.support.v7.app.AppCompatActivity

### *方法详细资料*

#### onCreate

**protected void** onCreate(@Nullable Bundle savedInstanceState)

#### onPause

**protected void** onPause()

### 2.3.7、类 MoviePlayActvity*方法概要*

[c](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter02/package-frame.html" \t "D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/packageFrame)om.example.projectthree

**public class** MoviePlayActivity **extends** AppCompatActivity **implements** VideoController.OnSeekChangeListener

### *方法概要*

|  |  |
| --- | --- |
| **所有方法[实例方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(2);)[具体方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(8);)** | |
| **限定符和类型** | **方法和说明** |
| void | **onCreate(**Bundle savedInstanceState**)** |
| void | **initDesktopRecevier** |
| void | onDestory() |
| void | **playVideo(String video\_path)** |
| void | **onStartSeek()** |
| void | **onStopSeek()** |
| void | **onStart()** |
| void | **onStop()** |
| void | **onPause()** |

### 从类继承的方法android.support.v7.app.Activity

### *方法详细资料*

#### onCreate

**protected void** onCreate(@Nullable Bundle savedInstanceState)

#### initDesktopRecevier

**private void** initDesktopRecevier()

#### onDestory

**protected void** onDestroy()

#### playVideo

**private void** playVideo(String video\_path)

#### onStartSeek

**public void** finish()

#### onStopSeek

**public void** onStopSeek()

#### onStart

**protected void** onStart()

#### onStop

**protected void** onStop()

#### onPause

**protected void** onPause()

### 2.3.8、类 NineGridItem*方法概要*

**package** com.example.projectthree.bean;

**public class** NineGridItem **implements** Serializable

### *方法概要*

|  |  |
| --- | --- |
| **所有方法[实例方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(2);)[具体方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(8);)** | |
| **限定符和类型** | **方法和说明** |
| String | **setUid(String uid)**  **Set uid** |
| String | setTime(String time)  set time |
| String | **setUrl(String url)**  **set url** |
| String | setText(String text)  set text |
| String | setLocation(String location)  set location |
| String | **setType(String type)**  **set type** |
| void | **getUid()**  **get uid** |
| void | **getTime()**  **get time** |
| void | **getUrl()**  **get url** |
| void | getText()  get text |
| void | **getLocation()**  **get location** |
| void | getType()  get type |

### 从类继承的方法 java.io.Serializable

### *方法详细资料*

#### setUid

**public void** setUid(String uid)

#### setTime

**public void** setTime(String time)

#### setUrl

**public void** setUrl(String url)

#### setText

**public void** setText(String text)

#### setlocation

**public void** setLoction(String location)

#### setType

**public void** setType(String type)

#### getUid

**public String getUid()**

#### getText

**public String getText()**

#### getUrl

**public String getUrl()**

#### getTime

**public String getTime()**

#### getLocation

**public String getLocation()**

#### getType

**public String getType()**

### 2.3.9、类 NineGridAdapter*方法概要*

**package** com.example.projectthree.adapter;

**public class** NineGridAdapter **extends** RecyclerView.Adapter<NineGridAdapter.ViewHolder> **implements** View.OnClickListener, View.OnLongClickListener

### *方法概要*

|  |  |
| --- | --- |
| **所有方法[实例方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(2);)[具体方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(8);)** | |
| **限定符和类型** | **方法和说明** |
| ViewHolder | **onCreateViewHolder(ViewGroup parent,int viewType)** |
| void | onBindViewHolder(ViewHolder holder,int position) |
| int | **getListSize(List<NineGridItem> list)** |
| int | getItemCount() |
| void | getImage(ImageView iv\_image,String path) |
| void | **onClick(View v)** |
| void | **onLongClock(View v)** |
| void | **setList(List<NineGridItem>list)** |

从类继承的方法 android.support.v7.widget.RecyclerView

从接口实现的方法 android.view.View

### *方法详细资料*

#### setList

**public void** setList

#### onBindViewHolder

**public void** onBindViewHolder(ViewHolder holder, **int** position)

#### getListSize

**private int** getListSize(List<NineGridItem> list)

#### getItemCount()

**public int** getItemCount()

#### getPositon

**private int** getPosition

#### setType

**public void** setType(String type)

#### getUid

**public String getUid()**

#### getImage

**public void** getImage(ImageView iv\_image,String path)

#### onClick

**public void** onClick(View v)

#### onLongClick

**public boolean** onLongClick(View v)

### 2.3.10、类 NineGridLayout*方法概要*

**package** com.example.projectthree.layout;

**public abstract class** NineGridLayout **extends** ViewGroup

### *方法概要*

|  |  |
| --- | --- |
| **所有方法[实例方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(2);)[具体方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(8);)** | |
| **限定符和类型** | **方法和说明** |
| void | **init(Context context)** |
| void | onMeasure(int widthMeasureSpec,int heightMeasureSpec ) |
| void | **onLayout(boolean changed,int left,int top,int right,int bottom)** |
| void | setUrlList(List<String> urlList) |
| void | notifyDataSetChanged() |
| void | **refresh()** |
| void | **layoutParams()** |
| void | **layoutImageView(RatioImageView imageView,int i,**  **String url,boolean showNumFlag)** |
| int | **findPosition(int childNum)** |
| void | generateChildrenLayout(int length) |
| void | **setOneImageLayoutParams(RatioImageView imageView,int**  **width,int height)** |
| int | getListSize(List<String> list) |
| int | getFontHeight(float fontSize) |

### 从类继承的方法 android.view.ViewGroup

### *方法详细资料*

#### init

**private void** init(Context context)

#### onMeasure

**protected void** onMeasure(**int** widthMeasureSpec, **int** heightMeasureSpec)

#### onLayout

**protected void** onLayout(**boolean** changed, **int** left, **int** top, **int** right, **int** bottom)

#### setIsShowAll

**public void** setIsShowAll(**boolean** isShowAll)

#### setUrlList

**public void** setUrlList(List<String> urlList)

#### notifyDataSetChanged

**public void** notifyDataSetChanged()

#### refresh

**private void** refresh()

#### layoutParams

**private void** layoutParams()

#### RatioImageView createView

**private** RatioImageView createImageView(**final int** i, **final** String url)

#### layoutImageView

**private void** layoutImageView(RatioImageView imageView, **int** i, String url, **boolean** showNumFlag)

#### findPosition

**private int**[] findPosition(**int** childNum)

#### generateChildrenLayout

**private void** generateChildrenLayout(**int** length)

#### setOneImageLayoutParams

**protected void** setOneImageLayoutParams(RatioImageView imageView, **int** width, **int** height)

#### getListSize

**private int** getListSize(List<String> list)

#### getFontHeight

**private int** getFontHeight(**float** fontSize)

### 2.3.11、类 NineGridTestLayout*方法概要*

**package** com.example.projectthree.layout;

**public class** NineGridTestLayout **extends** NineGridLayout

### *方法概要*

|  |  |
| --- | --- |
| **所有方法[实例方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(2);)[具体方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(8);)** | |
| **限定符和类型** | **方法和说明** |
| boolean | **displayOneImage(final RatioImageView,String url,**  **final int parentWidth)** |
| void | displayImage(RatioImageView imageView,String url) |
| void | **onClickImage(int position,String url,List<String> urlList)** |

### 从类继承的方法 android.view.ViewGroup

**displayOneImage** display **onClick**

### *方法详细资料*

#### displayOneImage

**protected boolean** displayOneImage(**final** RatioImageView imageView, String url, **final int** parentWidth)

#### displayImage

**protected void** displayImage(RatioImageView imageView, String url)

#### onClickImage

**protected void** onClickImage(**int** position, String url, List<String> urlList)

### 2.3.12、类 AppHomeFragment*方法概要*

**package** com.example.projectthree.fragment;

**public class** AppHomeFragment **extends** Fragment

**implements** View.OnClickListener,OnItemClickListener, OnItemLongClickListener, OnItemDeleteClickListener,OnRefreshListener

### *方法概要*

|  |  |
| --- | --- |
| **所有方法[实例方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(2);)[具体方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(8);)** | |
| **限定符和类型** | **方法和说明** |
| View | **onCreateView(LayoutInflater inflater,ViewGroup container,**  **Bunndl savedInstanceState)** |
| void | initRecyclerDynanmic() |
| void | **onRefresh()** |
| void | getFromMysql() |
| void | ininPublicArray(String jstr) |
| void | **onItemClick(View view,int position)** |
| void | **onItemDeleteClick(View view,int position)** |
| void | **onItemLongClick(View view,int positon)** |

### 从类继承的方法 android.view.ViewGroup

onCreateView

### *方法详细资料*

#### onCreateView

**public** View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState)

#### initRecyclerDynanmic()

**private void** initRecyclerDynamic()

#### onRefresh()

**public void** onRefresh()

#### getFromMysql

**private void** GetfromMysql()

#### initPublicArray

**private void** initPublicArray(String jstr)

#### onItemClick

**public void** onItemClick(View view, **int** position)

#### onItemDeleteClick

**public void** onItemDeleteClick(View view, **int** position)

#### onItemLongClick

**public void** onItemLongClick(View view, **int** position)

### 2.4、Eclipses

### 2.4.1、类 UploadServlet*方法概要*

**package** Servlet;

### public class UploadServlet extends HttpServlet*方法概要*

|  |  |
| --- | --- |
| **所有方法[实例方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(2);)[具体方法](D:/Eclipse/Workspaces/NetBeans/201530000001%E6%A2%81%E6%97%A9%E6%B8%85/dist/javadoc/cn/edu/scau/cmi/liangzaoqing/chapter09/javascript:show(8);)** | |
| **限定符和类型** | **方法和说明** |
| void | **doGet(HttpServletRequest req,HttpServletResponse resp)** |
| void | doPost(**HttpServletRequest req,HttpServletResponse resp**) |

### 从类继承的方法 java.io.Serializable

### *方法详细资料*

#### doGet

**protected** **void** doGet(HttpServletRequest req, HttpServletResponse resp) **throws** ServletException, IOException

#### doPost

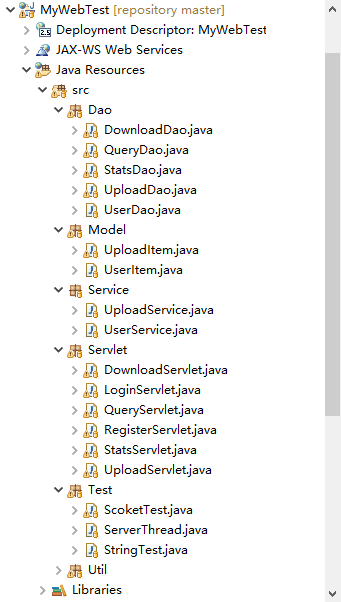
**protected** **void** doPost(HttpServletRequest req, HttpServletResponse resp) **throws** ServletException, IOException

### 2.5、结构

### 2.5.1、Android

### 

### 2.5.2、Eclipse



一共60个类，还没算其他配置文件

# 三、实现效果（详情可参考PPT）

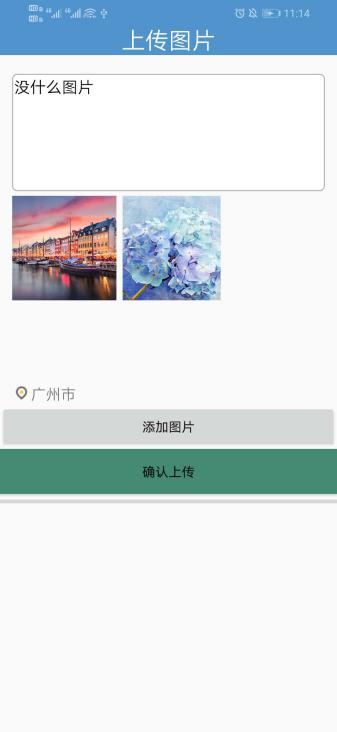
# 3.1、登录和注册

# 登录注册

# 3.2、首页 查询 个人信息

# 正常主页2查询个人信息

# 3.3、上传 图片 视频



# 3.4、点击 图片 视频



（1 2图片 3视频播放）

# 3.5、首页的删除 和删除

# 长按删除主页刷新

# 四、心得体会(每个人根据自己的理解撰写)

**4.1、罗添盛（组长）：**

选择这一个课题，不单单是为了完成老师布置的任务，也是挑战一下自己。在整个项目工程里，我的学习时长总三个半月，边看书，边打码实现了60-70个小DEMO，最后留给实现功能用五个星期。虽然最后实现的功能，可能不是特别完善，但是也拿得出手。我实现的功能主要是：登录注册（部分），上传视频和电影模式，定位服务，主页网络九宫格图片和视频混搭，主页下拉刷新，主页长按删除，查询信息，部分碎片切换实现。 Tomcat响应(实现登录，注册，上传，下载等等的响应)。在实现自己功能的同时，并且指导一下队友的功能的实现，并且最后完成整合APP的工作。

其次，实现APP的过程，我不断体会到软件工程师开发APP的困难：不同手机的安装运行版本不同，实现相同功能所用的方法也不尽相同，如：不同Android版本读写SD卡的路径不同；各个手机的屏幕大小，像素密度，屏幕素质的不同，导致呈现到用户眼前图片变形问题；不同手机信号，GPS兼容的问题等等。如果真正实现一个完美的APP，这些都是不可以绕开的路。

在这一次的课设中，让我对Java,Android,Javaweb有更深层次的理解，而且我对网络传输协议，多线程技术，Activity和Fragment的生命周期有了更深入的理解。对于我以后想深入学习框架，高性能Java,Android等等，有着积极的影响。

**4.2、何智浩：**

在和组员经过讨论后，我们这次选择以安卓app作为课设题目，我自己本身对于安卓也十分地感兴趣，在学习java的基础之后，我就开始学习安卓。在做这个app的时候基本是一边看视频，一边看书，一边查资料去实现一些功能，期间遇到十分多的问题与错误，我都尽量地去解决了。我在小组中主要负责手机文件选择，图片上传功能以及相册模式，并参与mysql数据库的建立与app中碎片切换实现。通过这次课设，我了解一些关于安卓app开发的一些流程与相关内容，并了解了一些利用javaWeb和tomcat去建立服务器的知识，在今后的学习和工作之中，我也可以利用在这次课设的一些经验。对于安卓和java，我的了解还是处于较浅的状态，还是需要继续深入学习，并且我也认识到，对于一个app来说，它的方向是十分重要的。

**4.3、曾令宏：**

这次的课程设计的难度实在是太高了，我原本想选择一个相对简单的项目去做，结果在三个队友的“威逼利诱”之下，选择了做这个APP。在这几个月的开发过程之中，我主要是负责做后端的部分，运用MySQL实现数据库的增加、删除、修改、查询等数据处理方式，除此之外，还和组长讨论APP的实现思路，完善构想，还有参与APP的测试等，除此之外，还要监督组长不要整天玩APEX和逛知乎，以保证课程设计的正常进度。通过和组长以及队友的讨论，我了解到了不少前端、后端的知识体系，还有一些Android开发的相关内容，虽然还是觉得自己有很多地方没有深入了解，但总体上还是收获颇丰的。

**4.4、李业天**：

在这次的课程设计中，我负责的是界面XML配置的设计与开发，根据所需界面的不同功能设计UI，以及各个组件的位置与大小，包括个人信息界面的背景设计。这次的开发中我们遇到了许多难题，但是通过组内的讨论一一解决。

通过这次的课程设计，对安卓开发有了更深的理解，也了解到了关于数据库，后端的知识。安卓结构清晰的组件给我们开发带来了不少便利，图形化与代码结合开发的方式扩充了我的视野。看到程序在手机上运行也带来了成就感，这就是代码的魅力吧。