```
try {
 2、DataChannel兼有回调接口
                                                                                                                                                                                                                                                                                + APP_OS_NAME + "; " + android.os.Build.VERSION.RELEASE + "; " + android.os.Build.MODEL+ "; "
                                                                                                                                                                                            if ( !isCancel()) {
                                                                                                                                                                                                                                                                                + PlatformUtil.getResolution(BaseApplication.getAppInstance())+ "
3、NotifyTransaction直接有Transaction的句柄引用 直接可以调用 <u>mTran</u>.onTransactionSuccess(mCode, mData);
                                                                                                                                                                                                 onTransact();
                                                                                                                                                                                                                                                                                + EgmUtil.getAppChannelID(BaseApplication.getAppInstance()) + ") ";
                                                                                                                                                                                       } catch (Exception e) {
 4、TransactionMap管理本地列表
                                                                                                                                                                                                                                                                          public EgmHttpRequest(String url) {
                                                                                                                                                                                            e.printStackTrace();
 5、成功后更新界面的引擎就放在了onEgmTransactionSuccess的notifyMessage中
                                                                                                                                                                                                                                                                            super(url);
                                                                                                                                                                                            doCancel();
                                                                                                                                                                                                                                                                             init();
6、在这里 public void notifyMessage(int msgCode, Object arg3) {
                                                                                                                                                                                            onTransactException(0, e);
                     TransactionListener listener = getListener();
                                                                                                                                                                                       mTransMgr.endTransaction(this);
                                                                                                                                                                                                                                                                          public EgmHttpRequest(String url, THttpMethod type) {
                     if (listener != null) {
                                                                                                                                                                                                                                                                            super(url, type);
                        listener.onTransactionMessage(msgCode, mType, mId, arg3);
                                                                                                                                                                                                                                                                             init();
                                                                                                                                                                                    * Transaction 任务执行入口
                                                                                                                                                                                                                                                                         public void init() {
                                                                                                                                                                                  public abstract void onTransact();
                                                                                                                                                                                                                                                                             addHeader("Accept", "text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8");
 其中每个Transaction自己保存自己的ID 事务类型等
                                                                                                                                                                                                                                                                            addHeader("Accept-Encoding", "gzip, deflate");
 7、如何保证的界面更新(MHandler是在主线程中创建的,这就保证了界面的更新)
                                                                                                                                                                                                                                                                             addHeader("PLATFORM", String.valueOf(EgmProtocolConstants.PLATFORM_ANROID));
                                                                                                                                                                                                                                                                              addHeader("APPVERSION",EgmUtil.getNumberVersion(BaseApplication.getAppInstance()));
                                                                                                                                                                                                                                                                              addHeader("TOKEN",EgmProtocol.getInstance().getUrsToken());
                synchronized public void onTransactionMessage(int code, int type, int tid, Object obj) {
                                                                                                                                                                                                                                                                             addHeader("DEVICEID",EgmProtocol.getInstance().getUrsId());
                                                                                                                                                                                                                                                                             addHeader("user-agent",USERAGENT);
                     if(EgmServiceCode.TRANSACTION_SUCCESS != code)
                                                                                                                                                                                                                                                                              addHeader("CHANNEL",EgmUtil.getAppChannelID(BaseApplication.getAppInstance()));
                        return;
                                                                                                                                                                                                                                                                             addHeader("PHONETYPE",android.os.Build.MODEL);
                                                                                                                                                                                                                                                                             addHeader("MEID",PlatformUtil.getDeviceID(BaseApplication.getAppInstance()));
                     ResultInfo info = new ResultInfo(code,obj);
                     Message message = mHandler.obtainMessage(TRANSACTION_SUCCESS, type, tid, info);
                     message.sendToTarget();
                                                                                                                                                        入手中线,发送一个请求,构造一个任务
                                                                                                                                                                                                                                                                                                                                                                         public abstract class AsyncTransaction extends Transaction {
                                                                                                                                                                                                                                                                                                                                                                          protected void sendRequest(Object obj) {
                                                                                                                                                                                                                                                                                /** 获取主页面排行榜信息 */
                                                                                                                                                                                                                                                                                                                                                                                  if (mDataChannel != null) {
                                                                                                                                                                               class GetRankInfoInHomeTransaction extends EgmBaseTransaction
                                                                                                                                                                                                                                                                               public THttpRequest createGetRankListInHomeRequest(String userId){
                                                                                                                                                                                                                                                                                                                                                                                       mDataChannel.sendRequest(obj, this);
                                                                                         public int doGetRankListInfoInHome(String userId){
                                                                                                                                                                                                                                                                                  EgmHttpRequest request = new
                                                                                               GetRankInfoInHomeTransaction t = new GetRankInfoInHomeTransaction(userId);
                                                                                                                                                                                                                                                                            EgmHttpRequest(getRequestUrl(URL_GET_RANK_LIST_IN_HOME), THttpMethod.GET);
                                                                                                                                                                                                                                                                                                                                                                             public void setDataChannel(DataChannel dataChannel) {
                                                                                               beginTransaction(t);
                                                                                                                                                                                                                                                                                   request.setUrlLocalParam(userId);
                                                                                                                                                                                  public void onTransact() {
                                                                                                                                                                                                                                                                                                                                                                                  mDataChannel = dataChannel;
                                                                                             return t.getId();
                                                                                                                                                                                 THttpRequest request =EgmProtocol.getInstance().createGetRankListInHomeRequest(mUserId);
                                                                                                                                                                                                                                                                                   request.setCacheDatabase();
                                                                                                                                                                                     sendRequest(request);
                                                                                                                                                                                                                                                                                   request.setCacheFile();
                                                                                                                                                                                                                                                                                                                                                                             protected void sendRequest(Object obj, AsyncTransaction trans) {
   .ass GroupTransactionListener implements TransactionListener {
                                                                                                                                                                                                                                                                                                                                                                                  if (mDataChannel != null) {
    WeakHashMap<EgmCallBack, Void> mCallbacks =
                                                                                                                                                                                                                                                                                   return request;
                                                                                                                                                                                                                                                                                                                                                                                       mDataChannel.sendRequest(obj, trans);
        new WeakHashMap<EgmCallBack, Void>();
    Handler mHandler = new InternalHandler();
                                                                                                             EgmService(后台心脏)
                                                                                                                                                                                   protected void onEgmTransactionSuccess(int code, Object obj) {
                                                                                                                                                                                      RankListInfoInHome mRankListInfo = null;
                                                                                                                                                                                     if (obj != null && obj instanceof JsonElement) {
                                                                                                                                                                                         Gson gson = new Gson();
                                                                                                                                                                                         mRankListInfo = gson.fromJson((JsonElement)obj, RankListInfoInHome.class);
                                                                                       private EgmService() {
                                                                                                                                                                                       if (mRankListInfo.rankInfoList != null) {
                                                                                                                    通信通道、通信的引擎
                                                                                                                                                                                         notifyMessage(EgmServiceCode.TRANSACTION_SUCCESS, mRankListInfo);
                                                                                         super(new HttpDataChannel(new TransactionEngine(TransactionEngine.Priority,
                                                                                                                                                                                                                                                                                                                                                                             public HttpEngine(int httpThread, int threadPriority) {
                                                                                                                                                                                      } else {
                                                                                          CoreThreadCount), new HttpEngine(
                                                                                                                                                                                                                                                                                                                                                                                  mRunningRequests = new HashMap<String, List<THttpRequest>>();
                                                                                                                                                                                         notifyDataParseError();
                                                                                                     3, Thread.NORM_PRIORITY - 1)));
                                                                                                                                                                                                                                                                                                                                                                                  mRequestQueue = new PriorityBlockingQueue<THttpRequest>();
                                                                                               mGroupListener = new GroupTransactionListener();
                                                                                                                                                                                                                                                                                                                                                                                  mHttpThreads = new LinkedList<HttpThread>();
                                                                                               mWattingLoginList = new LinkedList<Transaction>();
                                                                                                                                                                                                                                                                                                                                                                                  mBytePool = new ByteArrayPool(8 * 1024);
    TransactionEngine(Transaction的多线程永动机)
                                                                                                                                                                                                                                                                                                                                                                                  for (int i = 0; i < httpThread; i++) {</pre>
                                                                                           public int beginTransaction(Transaction trans) {
                                                                                                                                                                                                                                                                                                                                                                                       HttpThread thread = new HttpThread();
              内含了HttpEngine,网络通信的永动机
                                                                                              trans.setListener(mGroupListener);
                                                                                                                                                                                                                                                                                                                                                                                       thread.setPriority(threadPriority);
                                                                                               return super.beginTransaction(trans);
                                                                                                                                                                                                                                                                                                                                                                                       thread.start();
      public TransactionEngine(int priority, final int coreThreadCount) {
                                                                                           public void addListener(EgmCallBack listener){
                                                                                                                                                                                                                                                                                                                                                                                       mHttpThreads.add(thread);
         mTransactionQueue = new LinkedBlockingQueue<Runnable>();
                                                                                              mGroupListener.addListener(listener);
          mTransactionMap = new ConcurrentHashMap<Integer, Transaction>();
           mThreadPool = new ThreadPoolExecutor(coreThreadCount, 30, 2000,
                                                                                           public void removeListener(EgmCallBack listener){
                   TimeUnit.MICROSECONDS, mTransactionOueue);
                                                                                              mGroupListener.removeListener(listener);
           mThreadPool.setThreadFactory(new ThreadFactory() {
              @Override
              public Thread newThread(Runnable r) {
                                                                                                                                                                                                                                                                                                                                                                             private class HttpThread extends Thread {
                   Thread thread = new Thread(r);
                   thread.setPriority(coreThreadCount);
                                                                                                                                                                                                                                                                                                                                                                                  @Override
                   return thread;
                                                                                                                                                                                                                                                                                                                                                                                  public void run() {
                                                                                                                                                                                                                                                                                                                                                                                       while (! mIsClosed) {
                                                                                                                                                                                                                                                                                                                                                                                            try {
                                                                                                                                                                                                                                                                                                                                                                                                THttpRequest request = mRequestQueue.take();
                                                                                                                                                                                                                                                                                                                                                                                                 execute(request);
      public void beginTransaction(Transaction tx) {
                                                                                                                                                                                                                                                                                                                                                                                            } catch (InterruptedException e) {
         if (tx != null) {
                                                                                                                                                                                                                                                                                                                                                                                                 e.printStackTrace();
             tx.setTransactionEngine(this);
              Integer key = Integer.valueOf(tx.getId());
               mTransactionMap.put(key, tx);
                  mThreadPool.execute(tx);
               } catch (RejectedExecutionException e) {
                   e.printStackTrace();
                   if (tx instanceof AsyncTransaction) {
                       ((AsyncTransaction) tx).onTransactionError(0, null);
                       tx.notifyError(0, null);
             HttpDataChannel(血管、数据通道)
                                                                                                                  Baseservice
                                                                                             ic BaseService(DataChannel dataChanel) {
                                                                                                 mDataChanel = dataChanel;
                                                                                                 mTransactionEngine = dataChanel.getTransactionEngine();
                                                                                         public int beginTransaction(Transaction trans) {
                                                                                                int ret = -1;
                                                                                                  if (trans != null) {
                                                                                                    ret = trans.getId();
                                                                                                      if (trans instanceof AsyncTransaction) {
                                                                                                           ((AsyncTransaction) trans).setDataChannel(mDataChanel);
                                                                                                       if (mTransactionEngine != null) {
                                                                                                         mTransactionEngine.beginTransaction(trans);
                                                                                                 }return ret;
```

public abstract class Transaction implements Runnable, Comparable<Transaction> {

public void run() {

1、两个Transaction引擎

public class EqmHttpRequest extends THttpRequest {

public static String APP\_OS\_NAME = "androidPhone";

+ EgmUtil.getNumberVersion(BaseApplication.getAppInstance()) + " (

public static final String USERAGENT = "date/"

```
关于存储这块需要看看,数据已经到达了吗?还是数据未达到,仍然需要区网络读取呢?
                       http = getHttp();
                        response = http.executeRequest(request);
                       Object ret = null;
                        if (response != null) {
                           int respCode = response.getResponseCode();
                           if (respCode == 304) {
                                notifyReceived(request, respCode, httpCache);
 private boolean onRequestNotify(THttpRequest request, Object object,
            int notifyType, int code) {
         AsyncTransaction tran = null;
         Integer key = Integer.valueOf(request.getRequestID());
         tran = mTransactionMap.remove(key);
        if (tran != null) {
              mRequestMap.remove(Integer.valueOf(tran.getId()));
         boolean ret = false;
         if (tran != null) {
             ret = true;
               NotifyTransaction notify = tran.createNotifyTransaction(object,
                      notifyType, code);
             mTransactionEngine.beginTransaction(notify);
         return ret;
NotifyTransaction可以直接获取相目标Transaction应的引用,通知其内容
public final void onTransact() {
        doBeforeTransact();
       boolean doEnd = isNeedEnd();
        if (mTrans == null) {
                  mTran.doEnd();
               if (!mTran.isCancel()) {
                try {
                     if (mNotifyType == NOTIFY_TYPE_SUCCESS) {
                        mTran.onTransactionSuccess(mCode, mData);
                           mTran.onTransactionError(mCode, mData);
                  } catch (Exception e) {
                     e.printStackTrace();
NotifyTransaction—个Transanction—个通知,——对应的关系,直接获取,设计模式(依赖倒置)
```

```
HTTP协议部分
public void init() {
       addHeader("Accept", "text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8");
       addHeader("Accept-Encoding", "gzip, deflate");
       addHeader("PLATFORM", String.valueOf(EgmProtocolConstants.PLATFORM_ANROID));
      addHeader("APPVERSION", EgmUtil.getNumberVersion(BaseApplication.getAppInstance()));
       addHeader("TOKEN",EgmProtocol.getInstance().getUrsToken());
       addHeader("DEVICEID",EgmProtocol.getInstance().getUrsId());
      addHeader("user-agent",USERAGENT);
       addHeader("CHANNEL",EgmUtil.getAppChannelID(BaseApplication.getAppInstance()));
       addHeader("PHONETYPE",android.os.Build.MODEL);
      addHeader("MEID",PlatformUtil.getDeviceID(BaseApplication.getAppInstance()));
```

有关数据的存储

数据的存储: 首先获取的返回可以看做是个接口,如果是图片还要通过读取数据流进行获取图片内容。此外,这还有缓存之类的问题。

首先读取一个头,然后读取其余的???