## Android项目总结3

最近又独立开发了一个公司内部的小app,现在的感觉就是每一次独立开发一个新的app,都会遇到不同的问题,也都能独立解决这些问题。感觉这个状态还可以吧,同时打算把这些问题记录一下,以后再遇到同样问题的时候,有一个可以查阅的资料,也能帮助其它遇到同样问题的小伙伴们吧。

- 本次项目采用的网络框架: rxjava + retrofit2,这个就不在这里总结了,有空会单独总结一篇有关文章的。
- 获取屏幕宽度

```
public int getScreenWidth() {
       WindowManager wm = (WindowManager) this.getSystemService(Context.WINDOW SERVICE);
       DisplayMetrics dm = new DisplayMetrics();
       wm.getDefaultDisplay().getMetrics(dm);
       int width = dm.widthPixels;
                                    // 屏幕宽度(像素)
                                        // 屏幕高度(像素)
       int height = dm.heightPixels;
                                       // 屏幕密度 (0.75 / 1.0 / 1.5)
       float density = dm.density;
                                        // 屏幕密度dpi (120 / 160 / 240)
       int densityDpi = dm.densityDpi;
       // 屏幕宽度算法:屏幕宽度(像素)/屏幕密度
       int screenWidth = (int) (width / density); // 屏幕宽度(dp)
       int screenHeight = (int) (height / density);// 屏幕高度(dp)
       return width:
```

• 获取屏幕高度

```
public int getScreenHeight() {
       WindowManager wm = (WindowManager) this.getSystemService(Context.WINDOW SERVICE);
       DisplayMetrics dm = new DisplayMetrics();
       wm.getDefaultDisplay().getMetrics(dm);
       int width = dm.widthPixels; // 屏幕宽度(像素)
       int height = dm.heightPixels;
                                        // 屏幕高度(像素)
       float density = dm.density;
                                        // 屏幕密度 (0.75 / 1.0 / 1.5)
                                        // 屏幕密度dpi (120 / 160 / 240)
       int densityDpi = dm.densityDpi;
       // 屏幕宽度算法:屏幕宽度(像素)/屏幕密度
       int screenWidth = (int) (width / density); // 屏幕宽度(dp)
       int screenHeight = (int) (height / density);// 屏幕高度(dp)
       getAndroiodScreenProperty();
       return height;
```

• 获取进程名称

```
private static String getProcessName(int pid) {
        BufferedReader reader = null;
        try {
            reader = new BufferedReader(new FileReader("/proc/" + pid + "/cmdline"));
            String processName = reader.readLine();
            if (!TextUtils.isEmpty(processName)) {
                processName = processName.trim();
           return processName;
        } catch (Throwable throwable) {
           throwable.printStackTrace();
        } finally {
            try {
                if (reader != null) {
                    reader.close();
            } catch (IOException exception) {
                exception.printStackTrace();
        return null;
```

• 不能滑动的ViewPager

```
public class NoScrollViewPager extends ViewPager {
   private boolean noScroll = true;
   public NoScrollViewPager(Context context, AttributeSet attrs) {
       super(context, attrs);
   public NoScrollViewPager(Context context) {
       super(context);
   public void setNoScroll(boolean noScroll) {
       this.noScroll = noScroll;
   @Override
   public void scrollTo(int x, int y) {
       super.scrollTo(x, y);
    @Override
   public boolean onTouchEvent (MotionEvent arg0) {
       if (noScroll)
           return false;
       else
            return super.onTouchEvent(arg0);
    @Override
   public boolean onInterceptTouchEvent(MotionEvent arg0) {
       if (noScroll)
           return false;
       else
           return super.onInterceptTouchEvent(arg0);
   @Override
   public void setCurrentItem(int item, boolean smoothScroll) {
       super.setCurrentItem(item, smoothScroll);
   @Override
   public void setCurrentItem(int item) {
        super.setCurrentItem(item, false);//表示切换的时候,不需要切换时间。
}
```

• 自定义loadingView

## LoadingBase.java

```
public abstract class LoadingBase extends View {
    public LoadingBase(Context context) {
        this(context, null);
    }

    public LoadingBase(Context context, AttributeSet attrs) {
        this(context, attrs, 0);
    }

    public LoadingBase(Context context, AttributeSet attrs, int defStyleAttr) {
        super(context, attrs, defStyleAttr);
        InitPaint();
    }

    public void startAnim() {
        stopAnim();
        startViewAnim(Of, 1f, 500);
    }

    public void startAnim(int time) {
        stopAnim();
        startViewAnim(Of, 1f, time);
    }
}
```

```
public void stopAnim() {
   if (valueAnimator != null) {
        clearAnimation();
        valueAnimator.setRepeatCount(0);
        valueAnimator.cancel();
        valueAnimator.end();
        if (OnStopAnim() == 0) {
            valueAnimator.setRepeatCount(0);
            valueAnimator.cancel();
            valueAnimator.end();
    }
public ValueAnimator valueAnimator;
private ValueAnimator startViewAnim(float startF, final float endF, long time) {
    valueAnimator = ValueAnimator.ofFloat(startF, endF);
    valueAnimator.setDuration(time);
    valueAnimator.setInterpolator(new LinearInterpolator());
    valueAnimator.setRepeatCount(SetAnimRepeatCount());
    if (ValueAnimator.RESTART == SetAnimRepeatMode()) {
        valueAnimator.setRepeatMode(ValueAnimator.RESTART);
    } else if (ValueAnimator.REVERSE == SetAnimRepeatMode()) {
        valueAnimator.setRepeatMode(ValueAnimator.REVERSE);
    valueAnimator.addUpdateListener(new ValueAnimator.AnimatorUpdateListener() {
        @Override
        public void onAnimationUpdate(ValueAnimator valueAnimator) {
            OnAnimationUpdate(valueAnimator);
    });
    valueAnimator.addListener(new AnimatorListenerAdapter() {
        @Override
        public void onAnimationEnd(Animator animation) {
            super.onAnimationEnd(animation);
        @Override
        public void onAnimationStart(Animator animation) {
            super.onAnimationStart(animation);
        }
        @Override
        public void onAnimationRepeat(Animator animation) {
            super.onAnimationRepeat(animation);
            OnAnimationRepeat(animation);
    });
    if (!valueAnimator.isRunning()) {
        AinmIsRunning();
        valueAnimator.start();
    return valueAnimator;
protected abstract void InitPaint();
protected abstract void OnAnimationUpdate(ValueAnimator valueAnimator);
protected abstract void OnAnimationRepeat(Animator animation);
protected abstract int OnStopAnim();
protected abstract int SetAnimReneatMode().
```

```
protected abstract the becommenced acrosse (),
protected abstract int SetAnimRepeatCount();
protected abstract void AinmIsRunning();
public int dip2px(float dpValue) {
    final float scale = getContext().getResources().getDisplayMetrics().density;
    return (int) (dpValue * scale + 0.5f);
public float getFontlength(Paint paint, String str) {
    Rect rect = new Rect();
    paint.getTextBounds(str, 0, str.length(), rect);
    return rect.width();
public float getFontHeight(Paint paint, String str) {
    Rect rect = new Rect();
    paint.getTextBounds(str, 0, str.length(), rect);
    return rect.height();
public float getFontHeight(Paint paint) {
   Paint.FontMetrics fm = paint.getFontMetrics();
    return fm.descent - fm.ascent;
```

## LoadingView.java

```
public class LoadingView extends LoadingBase {
   private Paint mPaint;
   private Paint mPaintPro;
   private float mWidth = Of;
   private float mPadding = Of;
   private float startAngle = Of;
   RectF rectF = new RectF();
   public LoadingView(Context context) {
        super(context);
   public LoadingView(Context context, AttributeSet attrs) {
        super(context, attrs);
   public LoadingView(Context context, AttributeSet attrs, int defStyleAttr) {
       super(context, attrs, defStyleAttr);
   @Override
   protected void onMeasure(int widthMeasureSpec, int heightMeasureSpec) {
        super.onMeasure(widthMeasureSpec, heightMeasureSpec);
        if (getMeasuredWidth() > getHeight())
           mWidth = getMeasuredHeight();
           mWidth = getMeasuredWidth();
       mPadding = 5;
   @Override
   protected void onDraw(Canvas canvas) {
       super.onDraw(canvas);
       canvas.drawCircle(mWidth / 2, mWidth / 2, mWidth / 2 - mPadding, mPaintPro);
       rectF = new RectF(mPadding, mPadding, mWidth - mPadding, mWidth - mPadding);
        canvas.drawArc(rectF, startAngle, 100
                , false, mPaint);//第四个参数是否显示半径
   private void initPaint() {
```

```
mPaint = new Paint();
    mPaint.setAntiAlias(true);
    mPaint.setStyle(Paint.Style.STROKE);
    mPaint.setColor(Color.WHITE);
    mPaint.setStrokeWidth(8);
    mPaintPro = new Paint();
    mPaintPro.setAntiAlias(true);
    mPaintPro.setStyle(Paint.Style.STROKE);
    mPaintPro.setColor(Color.argb(100, 255, 255, 255));
    mPaintPro.setStrokeWidth(8);
public void setViewColor(int color) {
   mPaintPro.setColor(color);
    postInvalidate();
public void setBarColor(int color) {
   mPaint.setColor(color);
    postInvalidate();
@Override
protected void InitPaint() {
   initPaint();
@Override
protected void OnAnimationUpdate(ValueAnimator valueAnimator) {
   float value = (float) valueAnimator.getAnimatedValue();
    startAngle = 360 * value;
    invalidate();
@Override
protected void OnAnimationRepeat(Animator animation) {
protected int OnStopAnim() {
   return 0;
@Override
protected int SetAnimRepeatMode() {
    return ValueAnimator.RESTART;
@Override
protected void AinmIsRunning() {
@Override
protected int SetAnimRepeatCount() {
   return ValueAnimator.INFINITE;
```

• 自定义异常

```
public class NetworkException extends RuntimeException {
   public static final int REQUEST OK = 100;
    public static final int REQUEST_FAIL = 101;
    public static final int METHOD NOT ALLOWED = 102;
   public static final int PARAMETER ERROR = 103;
   public static final int UID_OR_PWD_ERROR = 104;
   public static final int SERVER_INTERNAL_ERROR = 105;
public static final int REQUEST_TIMEOUT = 106;
   public static final int CONNECTION ERROR = 107;
    public static final int VERIFY_EXPIRED = 108;
    public static final int NO DATA = 109;
   public NetworkException(int resultCode) {
        this(getNetworkExceptionMessage(resultCode));
    public NetworkException(String detailMessage) {
        super(detailMessage);
     * 将结果码转换成对应的文本信息
   private static String getNetworkExceptionMessage(int code) {
   String message = "";
        switch (code) {
            case REQUEST OK:
               message = "请求成功";
                break;
            case REQUEST FAIL:
               message = "请求失败";
                break;
            case METHOD NOT ALLOWED:
                message = "请求方式不允许";
                break:
            case PARAMETER ERROR:
                message = "用户不存在";
                break;
            case UID OR PWD ERROR:
                message = "用户名或密码错误";
                break;
            case SERVER_INTERNAL ERROR:
               message = "服务器内部错误";
                break;
            case REQUEST TIMEOUT:
               message = "请求超时";
               break;
            case CONNECTION ERROR:
               message = "连接错误";
                break;
            case VERIFY EXPIRED:
                message = "验证过期";
                break;
            case NO DATA:
                message = "没有数据";
               break:
            case 110:
                message = "该用户已存在";
                break:
            default:
               message = "未知错误";
        return message;
}
```

• 自定义OnClickListener防止重复点击发生的问题

• 创建notification并且添加点击事件

```
PendingIntent mainPendingIntent = null;
Intent mainIntent = new Intent(this, MainActivity.class);
mainPendingIntent = PendingIntent.getActivity(this, 0, mainIntent, PendingIntent.FLAG UPDATE CURRENT)
   NotificationManager mNotificationManager = (NotificationManager) getSystemService(NOTIFICATION_SE
   NotificationCompat.Builder mBuilder = new NotificationCompat.Builder(this);
   mBuilder.setContentTitle("您有新的订单,请登陆app查看")//设置通知栏标题
           .setContentIntent(getDefalutIntent(Notification.FLAG_AUTO_CANCEL)) //设置通知栏点击意图
          // .setNumber(number) //设置通知集合的数量
           .setTicker("您有新的订单,请登陆app查看") //通知首次出现在通知栏,带上升动画效果的
           .setWhen(System.currentTimeMillis())//通知产生的时间,会在通知信息里显示,一般是系统获取到的时间
           .setContentIntent(mainPendingIntent)
           .setPriority(Notification.PRIORITY DEFAULT) //设置该通知优先级
          .setAutoCancel (true) //设置这个标志当用户单击面板就可以让通知将自动取消
           .setOngoing (false) //ture, 设置他为一个正在进行的通知。他们通常是用来表示一个后台任务,用户积极参与(如播放
           .setDefaults (Notification.DEFAULT VIBRATE) // 向通知添加声音、闪灯和振动效果的最简单、最一致的方式是核
           //Notification.DEFAULT ALL Notification.DEFAULT SOUND 添加声音 // requires VIBRATE permiss
           .setSmallIcon(R.mipmap.ic_launcher);//设置通知小ICON
   mNotificationManager.notify(1, mBuilder.build());
```

• 获取Imei, 兼容Android N(easypermission)

```
public class LoginActivity extends AppCompatActivity implements EasyPermissions.PermissionCallbacks {
    private String imei = "00000000000";
    protected void onCreate(@Nullable Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity login);
        String[] perms = {android.Manifest.permission.READ PHONE STATE};
        if (EasyPermissions.hasPermissions(this, perms)) {
            Log.e("lin", "---lin---> imie if");
            TelephonyManager telephonyManager = (TelephonyManager) this.getApplicationContext().getSy
            imei = telephonyManager.getDeviceId();
        } else {
            Log.e("lin", "---lin---> imie else");
            EasyPermissions.requestPermissions(this, "正在申请获取手机唯一编码",
                    100, perms);
    }
    @Override
    public void onRequestPermissionsResult(int requestCode, String[] permissions, int[] grantResults)
        super.onRequestPermissionsResult(requestCode, permissions, grantResults);
         // Forward results to EasyPermissions
        EasyPermissions.onRequestPermissionsResult(requestCode, permissions, grantResults, this);
    @Override
    public void onPermissionsGranted(int requestCode, List<String> perms) {
        TelephonyManager telephonyManager = (TelephonyManager) this.getApplicationContext().getSystem
        imei = telephonyManager.getDeviceId();
    @Override
    public void onPermissionsDenied(int requestCode, List<String> perms) {
4
```

• 倒计时控件

```
private TimeCount mTimeCount;
mTimeCount = new TimeCount (60000, 1000);
mTimeCount.start();
class TimeCount extends CountDownTimer {
   public TimeCount(long millisInFuture, long countDownInterval) {
        super(millisInFuture + 200 , countDownInterval);
   @Override
   public void onFinish() {// 计时完毕
       tvGetCodeActivityLogin.setText("获取验证码");
        tvGetCodeActivityLogin.setClickable(true);
    @Override
    public void onTick(long millisUntilFinished) {// 计时过程
        long time = millisUntilFinished / 1000;
        String timeString = String.valueOf(time);
        timeString = timeString + "S";
        tvGetCodeActivityLogin.setText(timeString);
        tvGetCodeActivityLogin.setClickable(false);//防止重复点击
```

• 设置editext hint字的颜色值

```
CharSequence hint = edtAuthCodeActivityLogin.getHint();
SpannableString ss = new SpannableString(hint);
AbsoluteSizeSpan ass = new AbsoluteSizeSpan(17, true);
edtAuthCodeActivityLogin.setHintTextColor(0xffdddddd);
ss.setSpan(ass, 0, ss.length(), Spanned.SPAN_EXCLUSIVE EXCLUSIVE);
edtAuthCodeActivityLogin.setHint(new SpannedString("短信验证码"));
```

- 图片压缩框架 Luban
- fragment类似activity的onResume()

```
protected boolean isCreate = false;

@Override
    public void setUserVisibleHint(boolean isVisibleToUser) {
        super.setUserVisibleHint(isVisibleToUser);
        if (isVisibleToUser && isCreate) {
            getOrderList("-1");
        }
    }
}
```

• 利用反射设置tablayout下划线长度

```
tabLayoutOrderFragment.post(new Runnable() {
            Moverride
            public void run() {
               setIndicator(tabLayoutOrderFragment, 20, 20);
        });
public void setIndicator(TabLayout tabs, int leftDip, int rightDip) {
        Class<?> tabLayout = tabs.getClass();
        Field tabStrip = null;
            tabStrip = tabLayout.getDeclaredField("mTabStrip");
        } catch (NoSuchFieldException e) {
            e.printStackTrace();
        tabStrip.setAccessible(true);
        LinearLayout llTab = null;
            llTab = (LinearLayout) tabStrip.get(tabs);
        } catch (IllegalAccessException e) {
            e.printStackTrace();
        int left = (int) TypedValue.applyDimension(TypedValue.COMPLEX UNIT DIP, leftDip, Resources.ge
        int right = (int) TypedValue.applyDimension(TypedValue.COMPLEX UNIT DIP, rightDip, Resources.
        for (int i = 0; i < llTab.getChildCount(); i++) {</pre>
            View child = llTab.getChildAt(i);
            child.setPadding(0, 0, 0, 0);
            LinearLayout.LayoutParams params = new LinearLayout.LayoutParams(0, LinearLayout.LayoutPa
            params.leftMargin = left;
            params.rightMargin = right;
            child.setLayoutParams(params);
            child.invalidate();
```

• 封装一个链式调用的dialog

```
tnls.mcontext = context;
public void show() {
    if (!mHasShow) {
       mBuilder = new Builder();
    } else {
       mAlertDialog.show();
    mHasShow = true;
public void dismiss() {
    mAlertDialog.dismiss();
public DialogUtils setTitle(String title) {
    this.mTitle = title;
    if (mBuilder != null) {
        mBuilder.setTitle(title);
    return this;
public DialogUtils setMessage(String message) {
    this.mMessage = message;
    if (mBuilder != null) {
       mBuilder.setMessage(message);
    return this;
public DialogUtils setMessageColor(int color) {
    this.messageColor = color;
    return this;
public DialogUtils setCanceledOnTouchOutside(boolean cancel) {
    this.mCancel = cancel;
    if (mBuilder != null) {
       mBuilder.setCanceledOnTouchOutside(mCancel);
    return this;
public DialogUtils setPositive(SingleButtonCallback positiveCallback) {
    this.mPositiveCallback = positiveCallback;
    return this;
public DialogUtils setNegative(SingleButtonCallback negativeCallback) {
    this.mNegativeCallback = negativeCallback;
    return this;
public enum DialogAction {
    POSITIVE,
    NEGATIVE
public interface SingleButtonCallback {
    void onClick(@NonNull DialogUtils dialog, View.OnClickListener listener);
private class Builder {
    private TextView mTitleView;
    private TextView mMessageView;
    private TextView mPositive, mNegative;
    private Window mAlertDialogWindow;
    private RelativeLayout mDialog;
    private Builder() {
        mAlertDialog = new AlertDialog.Builder(mContext, R.style.Theme_AppCompat_Dialog).create()
        mAlertDialog.show();
        mAlertDialog.getWindow()
                .clearFlags(WindowManager.LayoutParams.FLAG_NOT_FOCUSABLE |
                        WindowManager.LayoutParams.FLAG ALT FOCUSABLE IM);
        mAlertDialog.getWindow()
           .setSoftInputMode(WindowManager.LayoutParams.SOFT INPUT MASK STATE);
```

```
mAlertDialogWindow = mAlertDialog.getWindow();
             mAlertDialogWindow.setBackgroundDrawable(
                     new ColorDrawable(android.graphics.Color.TRANSPARENT));
             View contentView = LayoutInflater.from(mContext)
                      .inflate(R.layout.dialog_util_layout, null);
             contentView.setFocusable(true);
             contentView.setFocusableInTouchMode(true);
             mAlertDialogWindow.setBackgroundDrawableResource(R.drawable.material dialog window);
             mAlertDialogWindow.setContentView(contentView);
             mTitleView = (TextView) mAlertDialogWindow.findViewById(R.id.tv title);
             mMessageView = (TextView) mAlertDialogWindow.findViewById(R.id.tv hint);
             mPositive = (TextView) mAlertDialogWindow.findViewById(R.id.tv_sure);
             mNegative = (TextView) mAlertDialogWindow.findViewById(R.id.tv cancel);
             mDialog = (RelativeLayout) mAlertDialogWindow.findViewById(R.id.dialog);
             Log.i("lin", "----lin----> 宽 " + MyApplication.get().getScreenWidth());
Log.i("lin", "----lin----> 高 " + MyApplication.get().getScreenHeight());
             mDialog.setLayoutParams (new RelativeLayout.LayoutParams (MyApplication.get().getScreenWidt
             if (mTitle != null) {
                 mTitleView.setText(mTitle);
             if (mMessage != null) {
                 mMessageView.setText(mMessage);
             if (messageColor != -1) {
                 mMessageView.setTextColor(messageColor);
             mAlertDialog.setCanceledOnTouchOutside(mCancel);
             mAlertDialog.setCancelable(mCancel);
             if (mPositiveCallback != null) {
                 mPositive.setOnClickListener(new View.OnClickListener() {
                      @Override
                     public void onClick(View v) {
                         mPositiveCallback.onClick(DialogUtils.this, this);
                 });
             if (mNegativeCallback != null) {
                 mNegative.setOnClickListener(new View.OnClickListener() {
                     @Override
                     public void onClick(View v) {
                         mNegativeCallback.onClick(DialogUtils.this, this);
                 });
             }
         }
         public void setTitle(String title) {
             mTitleView.setText(title);
         public void setMessage(String message) {
             if (mMessageView != null) {
                 mMessageView.setText(message);
         public void setCanceledOnTouchOutside(boolean canceledOnTouchOutside) {
             mAlertDialog.setCanceledOnTouchOutside(canceledOnTouchOutside);
             mAlertDialog.setCancelable(canceledOnTouchOutside);
4
```

• 将loadingView封装成loadingViewDialog

```
public class LoadingUtils {

    private Context mContext;
    private AlertDialog mAlertDialog;
    private LoadingUtils.Builder mBuilder;
    private boolean mHasShow = false;
    private String mMessage;
    private boolean mCancel;
```

```
public LoadingUtils(Context context) {
    this.mContext = context;
public void show() {
    if (!mHasShow) {
       mBuilder = new LoadingUtils.Builder();
    } else {
       mAlertDialog.show();
    mHasShow = true;
public void dismiss() {
    mAlertDialog.dismiss();
public LoadingUtils setMessage(String message) {
    this.mMessage = message;
    if (mBuilder != null) {
        mBuilder.setMessage(message);
    return this;
public LoadingUtils setCanceledOnTouchOutside(boolean cancel) {
    this.mCancel = cancel;
    if (mBuilder != null) {
        mBuilder.setCanceledOnTouchOutside(mCancel);
    return this;
private class Builder {
    private Window mAlertDialogWindow;
    private TextView mMessageView;
    private RelativeLayout mDialog;
    private LoadingView loadingView;
    private Builder() {
        mAlertDialog = new AlertDialog.Builder(mContext, R.style.Theme AppCompat Dialog).create()
        mAlertDialog.show();
        mAlertDialog.getWindow()
                .clearFlags(WindowManager.LayoutParams.FLAG NOT FOCUSABLE |
                        WindowManager.LayoutParams.FLAG ALT FOCUSABLE IM);
        mAlertDialog.getWindow()
                .setSoftInputMode(WindowManager.LayoutParams.SOFT INPUT MASK STATE);
        mAlertDialogWindow = mAlertDialog.getWindow();
        mAlertDialogWindow.setBackgroundDrawable(
                new ColorDrawable(android.graphics.Color.TRANSPARENT));
        View contentView = LayoutInflater.from(mContext)
                .inflate(R.layout.loading_view_layout, null);
        contentView.setFocusable(true);
        contentView.setFocusableInTouchMode(true);
        mAlertDialogWindow.setBackgroundDrawableResource(R.drawable.material dialog window);
        mAlertDialogWindow.setContentView(contentView);
        mDialog = (RelativeLayout) contentView.findViewById(R.id.rl loading view);
        mMessageView = (TextView) contentView.findViewById(R.id.tv hint);
        loadingView = (LoadingView) contentView.findViewById(R.id.loading_view);
        loadingView.setViewColor(Color.argb(100, 255, 255, 255));
        loadingView.startAnim();
        loadingView.setBarColor(0xFF42a5f5);
        loadingView.startAnim();
        Log.i("lin", "----lin----> 宽 " + MyApplication.get().getScreenWidth());
        Log.i("lin", "----lin----> 高 " + MyApplication.get().getScreenHeight());
        mDialog.setLayoutParams(new FrameLayout.LayoutParams(MyApplication.get().getScreenWidth()
        if (mMessage != null) {
            mMessageView.setText(mMessage);
        mAlertDialog.setCanceledOnTouchOutside(mCancel);
        mAlertDialog.setCancelable(mCancel);
```

```
public void setMessage(String message) {
    if (mMessageView != null) {
        mMessageView.setText(message);
    }
}

public void setCanceledOnTouchOutside(boolean canceledOnTouchOutside) {
    mAlertDialog.setCanceledOnTouchOutside(canceledOnTouchOutside);
    mAlertDialog.setCancelable(canceledOnTouchOutside);
}

}

}
```

• 判断当前app是否有网络