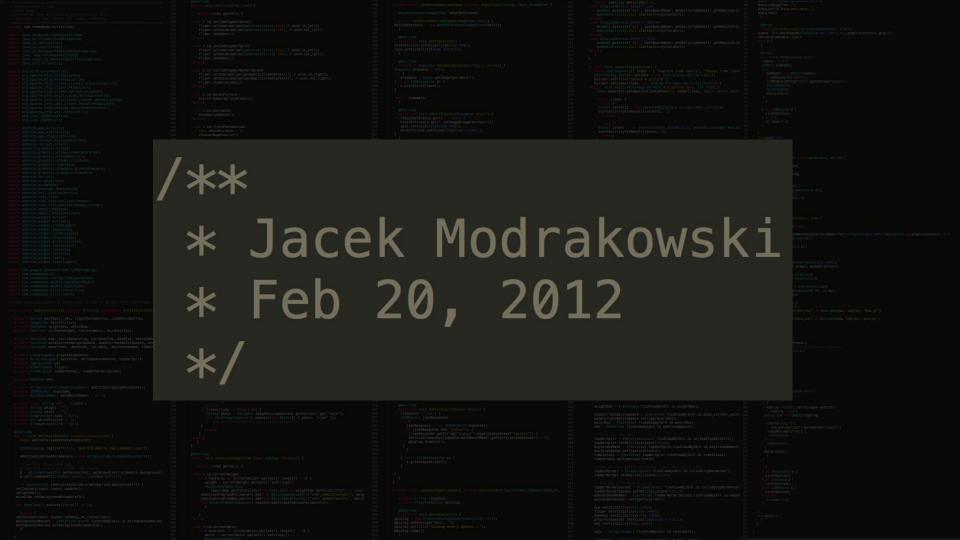
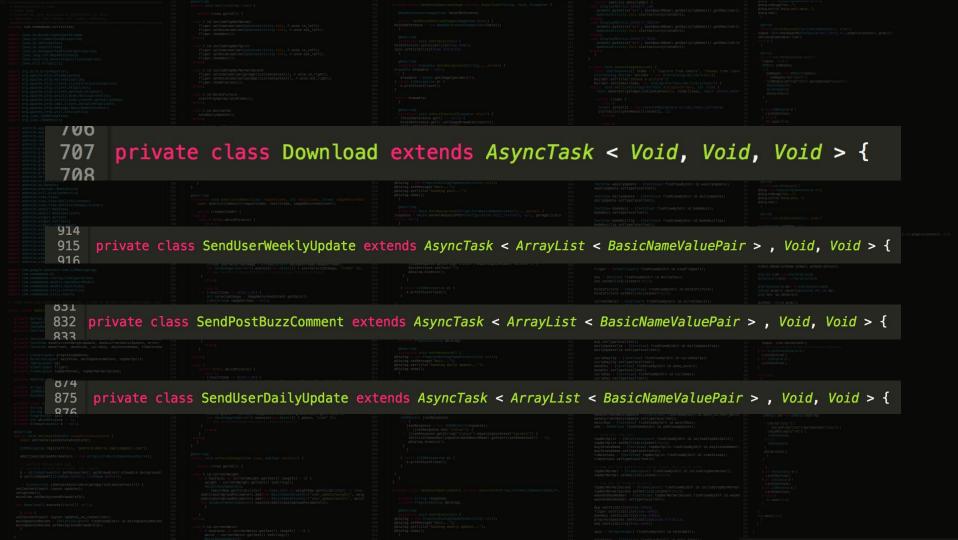


Jacek Modrakowski, Android Developer at > SCa aC

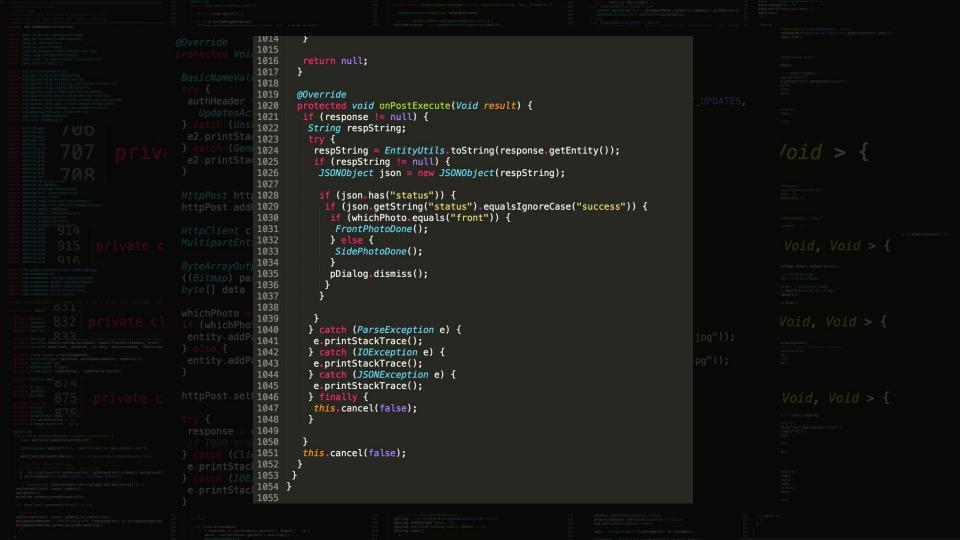


/*************************************	5 guverrage /// 6 public void onClick(View View) { 788	private class SetHeidiDownloadImage extends AsyncTask <string, drawable="" void,=""> {</string,>	001 switch (metrics densityOpi) { 002 case DisplayMetrics.DENSITY LOW:	900 pticaleg.set/essage("Wait");
# Vemma Bode # Created by Jack Modrakowski ginGENIOUS on 2012. # Copyright (c) 2012 Vemma. All rights reserved. 138	7 761 6 Switch (view.getId()) { 782	WeakReference <imageview- heidireference;<="" td=""><td>intentl.putExtra("url", dashBoardModel.getDailyTipModel().getMobileUrlLowRes()); UpdatesActivity.this.startActivity(intentl);</td><td>parties are serviced by parties and parties are serviced by parties are servic</td></imageview->	intentl.putExtra("url", dashBoardModel.getDailyTipModel().getMobileUrlLowRes()); UpdatesActivity.this.startActivity(intentl);	parties are serviced by parties and parties are serviced by parties are servic
* Copyright (c) 2012 Venns, All rights reserved. ***********************************	case R.id.includeTopBarHormal: 784 fliper.setInAmination(UpdatesActivity.this, R.amim.in_left); 785 fliper.setOptamation(UpdatesActivity.this, R.amim.out_left); 786	<pre>public SetHeidiDownloadImage(ImageView heidi) { heidiReference = new NeakReference<imageview>(heidi);</imageview></pre>		912 913 governos
	<pre>fliper.setOutAnimation(UpdatesActivity.this, R.anim.out_left); 786 fliper.showNext(); 787</pre>		<pre>intentl.puttatra("url", dashboardModel.getDailyTipModel().getMobileUrlLowRes()); UpdatesActivity.this.startActivity(intentl); Despired;</pre>	phorrise phorrise protected and collectoground/erreptiscodes/deamenlandston, pormo) (response . Auch nemalwages/DSSI(desfiguration.messat_protects, messat_protects, messa
import java.io.ByteArrayOutputStream; 143 import java.io.FileNotFoundException; 144 import java.io.Exception; 145		<pre>goveride gould onPreExecute() { self-little void onPreExecute() { heidFicture.setVisibility(View.GoME); spin.setVisibility(View.Visibility) 3 spin.setVisibility(View.Visibility) 4 spin.setVisibility(View.Visibility) 4 spin.setVisibility(View.Vis</pre>	<pre>case displayMetrics.OBMSITY_HEGH: intentl.putExtract_varUn_, dashBoardModel.getDailyTipModel().getMobileUrlMighRes()); UpdatesActivity.this.startActivity(intentl);</pre>	935 additionaliptoemarameters cover(); 937 return mull; 938 }
Seport Java. io. InputStream 146	case R.id.includeTopRaTs[htt: 790 7 fluer.setinamistion(podresActivity.this, R.anim.in_left); 791 fluer.setovitamistion(podresActivity.this, R.anim.out_left); 792 fluer.showker(); 793 fluer.showker(); 793	spin setVisibility(View VISIBLE);	12 UpdatesActivity.this.startActivity(intentl); 13 broak;	939 930 930 930 930 930 930 930 930 930
import java.tang.rer.meaknererence; import java.security.GeneralSecurityException; import java.util.ArrayList;	9 fliper.showmext(); 793 b break; 794	governide		921 protected wold orbestizaccate(baild resolit) { 922 st / (response molth) { 933 200000ject posterponse; 934 protect posterponse; 935 protected
	1 795 2 case R.id.includeTopBarNormalSecond: 796	@Override portected Grawable doInBackground(Stringparams) {	in struct with described occupied () (into Corresponded) them of Capture from camera', "Choose from library"); described into the library and structure of the control	
import org.apcache.http.HttpResponse; 153 import org.apache.http.HttpResponse; 154 import org.apache.http.Client.ClientProtocolException; 155 import org.apache.http.Client.ClientProtocolException; 155	case R. 1s. includeTopDeTrierm Discound: 796 fliper.setTableInstantin(eptApplicationContext(), R.anim.in_right); 797 fliper.setDAthaination(eptApplicationContext(), R.anim.out_right); 798 fliper.showTrevious(): 799	drawable = XAuth.getimage(params(0)); } catch (IOException e) {	AlertDialog. Mulitar builder = new AlertDialog. Mulitar(this); builder.setTime("Choose a picture"); builder.setTems("Times new AlertDialog. Mulitar setTems() {	93 journesponse = 00.0000ject(response); 938 (journesponse has tsusses)) (937 f(journesponse patring) ***(stage) ***(patring) ***(stage)
import org.apache.http.client.httpClient; 156 import org.apache.http.client.methods.httpPost; 157		e.printSteckTrace();	public void onclick(DislogInterface dislogInterface, int item) { Toast.makeText(getApplicationContext(), items(item), Toast.LENGTH_SHORT).show();	
import org.apache.http.entity.mime.MultipartEntity; 155 import org.apache.http.entity.mime.content.ByteArrayBody; 155	case R.id.heidiPicture: 882 startPlayApropriateVideo(); 883	return drawable; 3	124 125 switch (item) {	921 } 922 }
import org.apache.http.impl.client.DefaultHttpClient; import org.apache.http.message.BasicNameValuePair; import org.apache.http.message.BasicNameValuePair; import org.apache.http.wiil.EntityHttl: import org.apache.http.impl.client.DefaultHttp://doi.org/10.1000/1	1 885 2 Case R.id.buttonYes: 806	governide	27	933 934 Catch LOSMECOSTION e) { 935 e-parintScattrace();
Import org.amch.effs.client.ClientProtectDropting 155	3	<pre>gbvarride protected void ourostizecute(Drawble result) { if (bedsize(rence, pet() i mull) { bedsize(rence, pet() i mull) { i mull) {</pre>		935
import android.app.Activity; 166 import android.app.Alertbialog; 167	5	spin setVisibility(View.GoNE); heidiPitture.setVisibility(View.VISIBLE);	<pre>131</pre>	93 }
import android.app.ProgressDialog; 166	6 chooseImageSource(); 612 break; 613		133 Startactivityrormesut(intent, 1); 134 break; 135 }	940) 941 1865.cancel(filse);
import android.comtent.Intent; 177 import android.graphics.Bitmapp 177 import android.graphics.Bitmap.CompressFormat; 177 177 177 177 177 177 177 177 177 177	8 814 1.		136 137));	
import android.graphics.Bitmap.CompressFormat; 173 import android.graphics.BitmapFactory; 173 import android.graphics.BitmapFactory; 173 import android.graphics.BitmapFactory; 174 import android.gr	2 (713, MIXERIACUTE = 2; 3 chooseImageSource(); 817 4 break; 818	private class SendPostBuzzComment extends AsyncTask <arraylist<basicnamevaluepair>, Void,</arraylist<basicnamevaluepair>	builder.create().show(); 39 }	945 946 private class SendinageToServer extends AsyncTusk-dbject, Wald, Wold- {
import android graphics. BitmapRetory; 17 18port android graphics. Shader TileMode; 18port android graphics. TypeTace; 18port android graphics. TypeTace; 18port android graphics. TypeTace; 18port android graphics. TypeTace; 18port android graphics. Grawable; 17 18port android graphics. Grawable. Grawable; 17 18port android graphics. Grawable.	5 Case R. Id. postBuzz: 528	private String response = null; private ProgressDialog pDialog; 3	41 private void setupView() { 42	945 private AttpResponse responses 948 private AttpResponse responses 949 private AttpResponses
	7 postBuzz(); 822 break; 822 823		Typeface font = Typeface.createFromAsset(getAssets(), "fonts/MavenProRegular.otf"); Typeface font2 = Typeface.createFromAsset(getAssets(), "fonts/MavenProBold.otf");	999 private String whichParto; 999 private Progressialog pDialog; 551
import android.os.AsyncTask; import android.os.Bundle; import android.os.Bundle; import android.provider.NediaStore; import android.provider.NediaStore; import android.util.OisplayNetrics; import android.util.OisplayNetrics;		<pre>governide streamed wid ourreducente() { goilage inc.Progressibile((postesactivity.this); goilage settle(=sesage(=sit*)); goilage settle(=sesage(=sit</pre>	7extView weeklyUpdate = (TextView) findViewById(R.id.weeklyUpdate); weeklyUpdate.setTypeface(font);	902 (Override 903 protecte word or Presented 4 904 protecte word or Presented 4 905 protecte word or Presented 4 905 protecte word or Presented 4 905 protected word 4 905 prote
	2 825 8 governide 4 protected world paintivity@sculting requestings for resultings. Intent (managerurned) 828 828	purating.serifie("Sending post"); pluating.show(); }	H40 TextView dailyUpdate = (TextView) findViewById(R.id.dailyUpdate); 30 dailyUpdate.setTypeface(font);	94 pating -the Proposation(shortestristy.ths); 95 pating severapitation); 96 pating severapitation); 97 pating settlinitissing paten); 98 pating settlinitissing paten);
import android.view.View.Onclicklistener: 186 import android.view.View.Onclicklistener: 185 import android.view.View.Onclicklistener: 186 import android.view.View.Onclicklistener: 186 import android.view.View.Onclicklistener: 187 import android.view.View.Onclicklistener: 188 import android.view.Vi	protected void onactivityMesult(int requestCode, int resultCode, Intent imageMeturned1 828 super.onactivityMesult(requestCode, resultCode, imageMeturnedIntent); 829 829	goverride	dailylipdate.setTypeface(font); 7extView bodebuzz (TextView) findViewByld(R.id.bodeBuzz); bis bodeBuzz.setTypeface(font);	
import android.webKit.WebViewClient; 187 import android.widget.Button; 188	7 Switch (requestCode) { 831 8 635 1 832 8 832 8 8 8 8 8 8 8 8 8	<pre>protected Void doInBackground(ArrayList<basicnamevaluepair> params) { response = XAUth.normalRequestPOST(Configuration.BUZZ_STATUSES, null, getApplicationCon response = NAUTH.normalRequestPOST(Configuration.BUZZ_STATUSES, null, getApplication.BUZZ_STATUSES, null, getApplication.BUZZ_STAT</basicnamevaluepair></pre>	153 bodeBuzz_setTypeface(font); 154	579 568 90verride 901 901 902 902 903 903 903 903 903 903 903
Import android widget. Import and import in its import and in its import and its important impor	8 case 1: 834		554 S55	962 963 Basickanolylocfuir authmoder = null;
import android.widget.LinearLayout; 192 import android.widget.ProgressBar; 193	2 Uri selectedImage = imageReturnedIntent.getData(); 836 3 InputStream imageStream = null; 837	@Override protected void onPostExecute(Void result) {	<pre>postBuzz = (Button) findViewById(R.id.postBuzz); postBuzz.setOnClickListener(this);</pre>	994 Style authleader = Maith, generateMORPHAJequesiAuthorizationNeader("MOST", Configuration NEURIT_UPDATES, UpdatesActivity. Ubis. getApplica 995 } catch UnicomportedProcedingException e2] {
import android.widget.ProgressBar: import android.widget.RelativeLayout; import android.widget.RelativeLayout; import android.widget.TableRow; import android.widget.TableRow;	imageStream = getContentResolver().openInputStream(selectedImage); 839 } catco (FileNotFoundException e) { 840	if (response i= null) { JSONObject jsonResponse; }		Sect. (Inseparate Description at 1)
import android.widget.TextView; import android.widget.TextView; import android.widget.TextView; import android.widget.TextView; import android.widget.ViewFipper;	7 e.printStackTrace(); 841 8 } 82	try { jsoeResponse = new JSOWObject(response);	<pre>i63 sidePhotoButton = (Button) findViewById(R.id.sidePhotoButton); i65 sidePhotoButton.setUnClickListener(this);</pre>	
<pre>import android.widget.ViewFlipper; import com.google.android.c2dm.C2DMessaging; 20</pre>	### ### ##############################		<pre>555</pre>	972 HttpNest httpNest = now AttpNest(Configuration MEDIXY_MPANTES); 973 httpNest addReader(authReader.getWame(), authReader.getValue());
		pDialog.dismiss(); }	yes = (Button) findViewById(R.id.buttonYes); yes.setBnClickListener(iD/s);	975 HTTpClient client = now defaulthttpClient(); 975 WoltspartEntity entity = now MultipartEntity();
import com.vemmahoude.comfig.Configuration: import com.vemmahoude.models.dashboaruModel: import com.vemmahoude.models.dashboaruModel: import com.vemmahoude.models.dashboaruModel: import com.vemmahoude.utils.connection:	6 DESK(040 5 S S89 6 Case 2: S59	} catch (JSOMException e) { e.printStackTrace(); }		977 31
inport con-vennabode-utils.XAuth; 265	<pre>f (resultCode = RESULT_OK) { Uri selectediage = imageReturnedIntent.getData(); InputStream imageStream = null; Sont imputStream imageStream = null; Sont imageStream imageStream</pre>	e printStackTrace();	heidiPicture = (ImageView) findViewById(R.id.heidiPicture); heidiPicture.setOnClickListener(?bis); heidiPicture.setOnClickListener(?bis);	
// TOOO Handling Expensive Operations in the UI Thread http://de 205 public class UpdatesActivity extends Activity implements OnClick 211	Imputsfream imagestream = nut;		currentWeist = (EditText) findViewById(R.id.currentWeist); currentWeist.setOnFocusChangeListener(this);	
	2 } catch (FileNotFoundException e) { 856 3 e.printStackTrace(); 857		currentWeight = (EditText) findViewById(R.id.currentWeight); currentWeight.setOnFocusChangeListemer(this);	entity_addratil*ser_update(photo_iront), ass sytem/repospy(sets, "image/[per", "photo.[pg")); entity_addratil*ser_update(photo_issel", sex_Sytem/repospy(dats, "image/[per", "photo.[pg"));
private Button postBuzz, yes, frontPhotoButton, sidePhotoButt private ImageView heidiFicture; private TableRow weightRow, weistRow; private Editrext currentWeight, currentWeist, buzzEditText; 216	5 859 8 85 85 859 859 859	private class SendUserDailyUpdate extends AsyncTask <arraylist<basicnamevaluepair>, Void,</arraylist<basicnamevaluepair>		
	7 // new SendSideImageToServer().execute(yourSelectedImage); 861 8 new SendImageToServer().execute(new Object[] { yourSelectedImage, "side" }); 862	private String response: private ProgressDialog DDialog:	up = (TableLayout) findViewById(R.id.table); dup = (TextView) findViewById(R.id.dome_update); dup.setTypeText(fint);	500 httpRest.setEntity(entity); 500
private TextView dusp, dailyUpdateTip, cycleDayTip, doneExc, w private TextView doneCurrentWeightUpdate, doneCurrentWeistUpd private TextView doneFront, doneSide, cycleDay, dayIntakeName			<pre>dup.setTypeface(font); 886</pre>	992 response = client.execute(httpPost); 993 // 1000 probiz kostroler do symuletlanda probienta pdyleta good.
private LinearLayout progressUpdates; 223		protected vaid onPreExecute() { pDialog = new ProgressDialog(UpdatesActivity.this); }	cycleBayTip = (TextView) findViewSyId(8 id cycleBayTip):	94) carch (ClientProtocolEnception e) 4 95 e printStackTrace(); 96 out UlfrontTrace o 1
private Tablelayout up; private Viewflipper fliper; private Viewflipper fliper; private Viewflipper fliper; private Viewflipper fliper; private Viewflipper fliper;	4 866 5 case 2: 869 6 setto (tais: whichPicture) (870	<pre>goverride statected vaid ourrefacecate() { pulsage a now Progressible(spidsteaskctivity.chis); pulsage settle(seeding stat); pulsage settle(seeding stat); pulsage settle(seeding stat); pulsage settle(seeding stat); pulsage settle(seeding stat); pulsage settle(seeding stat); pulsage settle(seeding stat); pulsage settle(seeding stat</pre>	<pre>cycledayflp.cetTypeface(font); donexc = (fortive) find/lea/gfd(#.1d.done_excer); donexc. setTypeface(font); cycleday = (fortive) find/lea/gfd(#.1d.cycleday);</pre>	966 } carda [196xcqstine e) {
private FrameLayout topBarNormal, topBarNormalSecond; 227 221 222 222 222 222 222 222 222 222 222			cycleday = (TextView) findViewById(R.id.cycleday); cycleday.setTypeface(font);	
private ArrayList <basicnomevaluepair> additionalUploadParamet 230</basicnomevaluepair>	9	giverride greected Void doInBackground(ArrayList-dBasicNameValuePair>params) { response = MAuth.normalRequestPOST(Configuration-DALLY_WTDATES, mull, getApplicationCol state	<pre>cycleday.setTypeface(font); progressUpdate = (LinearLayout) findViewById(R.id.progressUpdates); asinView = (RelativeLayout) findViewById(R.id.mainUpdatesView);</pre>	
private JSONObject respJSON; private DashBoardModel dashBoardModel = mull; 233	2 } 576 3 break; 877	return mult;	<pre>09/ 098</pre>	1004 protected wold onPostCaeccte(Wald result) { 1005
griane final String 001 = "Nu2022"; private String weight = "" 239 private String weight = "" 239 private String weight = "1 private String weight = null; 233 private distributions = "1 private distributions =	579 579 579 (resultCode =: RESULT OK) (governide protected void onPostExecute(Void result) {	URD weightRow (TableRow) findViewGyId(R.id.weightRow);	1007 try (1008 respString = EntityOtils.toString(response.getEntity());
private String weist = ""; private Progressmar spin = null; private Progressmar spin = null; 235	fresultCode = RESULT_OR) { 1 (TresultCode = RESULT_OR) { 0	gover/see void onPostExecute(Void result) (if (response is mult) (j.50Mb)ject jsonNesponse;	doncurrentWestUpdate = (TortVisu) find(toebyld(R.id.done_current_weist); doscurrentWestUpdate setTyperde(ford); weistRow = (TobleWood findVisueByld(R.id.weistRow)); weistRow = (TobleWood findVisueByld(R.id.weistRow)); weistRow = (TobleWood findVisueByld(R.id.weistRow)); }	1009 1f (respiring to null) { 1010
			<pre>weistRow = (TableRow) findViewById(R.id.weistRow); web = (MeDVIew) findViewById(R.id.webViewUpdates);</pre>	
@Override public void onCreate(Eundle savedInstanceState) { Super.onCreate(savedInstanceState); 244 244		<pre>try({ jsedResponse = now JSOMOS/pct(response); if (jsedResponse = hat'status') { if (jsedResponse = hat'status') {</pre>	// dzielony top bar topBarSplit = (RelativeLayout) findViewById(R.id.includeTopBarSplit);	
CZOMessaging.register(this, "android.mobile.implix@gmail.c	888 889	pulatog dismiss(); } 4	<pre>topBarSplit.setOnClickListener(this); dayIntakeName = (TextView) topBarSplit.findViewById(R.id.dayIntakeName);</pre>	1805
additionalUploadParameters = new ArrayList <basicnameyaluep 248<="" td=""><td>7 gOverride 591 6 public void onfocuschange(View view, boolean hasFocus) { 992 992</td><td>} catch (JSONException e) { e.printStackTrace(); 4</td><td>// discours to Berlindsupport Tempsthemys(R. id. includeTophersplit); topon-public (MedicHolesperich); doynnasome (fortice) tophersplit fineSteedys(R. id. dayIntakeIsme); doynnasome (fortice) tophersplit fineSteedys(R. id. dayIntakeIsme); doynnasome (fortice) tophersplit fineSteedys(R. id. timeIntake); timeIntake (fortice) tophersplit fineSteedys(R. id. timeIntake); timeIntake (fortice) tophersplit fineSteedys(R. id. timeIntake);</td><td> </td></basicnameyaluep>	7 gOverride 591 6 public void onfocuschange(View view, boolean hasFocus) { 992 992	} catch (JSONException e) { e.printStackTrace(); 4	// discours to Berlindsupport Tempsthemys(R. id. includeTophersplit); topon-public (MedicHolesperich); doynnasome (fortice) tophersplit fineSteedys(R. id. dayIntakeIsme); doynnasome (fortice) tophersplit fineSteedys(R. id. dayIntakeIsme); doynnasome (fortice) tophersplit fineSteedys(R. id. timeIntake); timeIntake (fortice) tophersplit fineSteedys(R. id. timeIntake); timeIntake (fortice) tophersplit fineSteedys(R. id. timeIntake);	
// android background bug. 256 // picture streth on screen, not repeat. 251	switch (view.getId()) {	e.printstack(race(); 4		
b = (8itmapDrawable) getResources() getDrawable(R.drawable b.setTileModeXY(TileMode.REPEAT, TileMode.REPEAT); 253	<pre>case R.id.currentWeight:</pre>		topBarNormal = (FrameLayout) findViewById(%.Id.includeTopBarNormal); topBarNormal setOnclickListener(ToTs);	1011
<pre>1f (Connection.isNetworkAvailable(getApplicationContext()) setContentView(R.layout.updates);</pre>	weight = currentWeight.getText().toString(); 898 WeightDomeUpdate(); 899 MeightDomeUpdate(); 89) private class SendUserWeeklvUodate extends AsyncTask-ArrayList-BasicNameValuePair>, Voi	// top bar na drugin ekranie. 21 topBarNormalSecond = (frameLayout) findViewById(R.id.includeTopBarNormalSecond);	1027 e.printStackfracel); 1028 } catch (250Minception e) {
setupliew(); 255 mainView.setBackgroundDrawable(b); 255	Weightloow/depter();	private Class Sensormers, yopase extens asyncias and raylist-basic manerature 21/2, vol. 4 private String response; private Progressialog Dialog; 4	topis-frama Second = (frame.syavr) fisoVicebyId(R.id. includeTopis-fromsalSecond); topis-frama Second = setfon(isoListEner(Edis)) weekAndbayNumber = (foxYVice) topis-framalSecond findVicebyId(R.id.weekAndbayNumber); weekAndbayNumber = crityperface(form)	10:09
now Download() execute((Void[]) null); 259	9 new SendVserWeeklyUpdate().execute(additionalUploadParameters); 983 9 } 994		725 726 dup.setVisibility(View.GONE);	
} else { setContentView(R.layout.updates_no_connection); aninUpdatesVoConn = (RelativeLayout) findViewById(R.id.mainU) mainUpdatesVoConn.setBackgroundDrawable(b); 264		protected void onPretxecute() { p0ialog = new ProgressDialog(UpdatesActivity.this); }	dup setVisibility(View.0000); Tilper setVisibility(View.0000); domec:setVisibility(View.0000); progressupates setVisibility(View.0001); who.evisibility(View.0001); who.evisibility(View.0001);	1036 https://doi.org/(false); 1035 tttps://doi.org/(false); 1036 https://doi.org/(false);
mainUpdatesNoConn.setBackgroundDrawable(b); https://doi.org/10.1001	986 5	protected wold onPrecedure() { polatog = new ProgressOulaing (updatesActivity.this); polatog = new ProgressOulaing (updatesActivity.this); polatog = newthesage("nest"); polatog = newtise("sending weekly update"); polatog = newtise("sending weekly update"); polatog = newtise("sending weekly update");		
) 267 267 268	Case A.id currentWeist: 989 if (hasFocus & currentWeist.getText().length() > 0) { 910 weist = currentWeist.getText().toString(); 911 busit=TobnewWeist(): 912)	spin = (ProgressBar) findViewdyId(R.id.heidiWait); danaErnet = (TarkView) findViewdyId(E.id.dana front);	1039) 1849





```
@Override
protected Void doInBackground(Object...params) {
BasicNameValuePair authHeader = null;
try {
 authHeader = XAuth generateNORMALRequestAuthorizationHeader("POST", Configuration WEEKLY_UPDATES,
   UpdatesActivity.this.qetApplicationContext(), null);
} catch (UnsupportedEncodingException e2) {
 e2.printStackTrace();
} catch (GeneralSecurityException e2) {
 e2.printStackTrace();
HttpPost httpPost = new HttpPost(Configuration.WEEKLY_UPDATES);
httpPost.addHeader(authHeader.getName(), authHeader.getValue());
HttpClient client = new DefaultHttpClient();
MultipartEntity entity = new MultipartEntity();
ByteArrayOutputStream bos = new ByteArrayOutputStream();
((Bitmap) params[0]) compress(CompressFormat JPEG, 100, bos);
byte[] data = bos.toByteArray();
whichPhoto = (String) params[1];
if (whichPhoto.equals("front")) {
 entity.addPart("user_update[photo_front]", new ByteArrayBody(data, "image/jpeg", "photo.jpg"));
} else {
 entity_addPart("user_update[photo_side]", new ByteArrayBody(data, "image/jpeg", "photo.jpg"));
httpPost.setEntity(entity);
try {
 response = client.execute(httpPost);
 // TODO zrobiæ kontroler do wyœwietlania zrobienia zdjêcia good.
} catch (ClientProtocolException e) {
 e.printStackTrace();
} catch (IOException e) {
 e.printStackTrace();
```





"A, komu to potrzebne?"

- Zorganizowany kod, znane podejście.
- Łatwiejszy rozwój projektu, nowe funkcjonalności, refactoring.
- Testowalny kod.
- Mniej bugów.

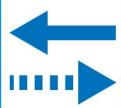


VIEW

UI: Activity, Fragments



Data: Models, DB e business logic



PRESENTER

Mediator

MVP

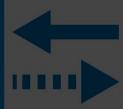
Model View Presenter

VIEW

UI: Activity, Fragments

MODEL

Data: Models, DB e business logic



PRESENTER

Mediator

```
public interface LoginView extends BaseView {
 void continueAsNormalUser();
 void continueAsPremiumUser();
 void clearUserNameError();
 void showUserNameError(String wrongNameMessage);
 void clearUserPasswordError();
 void showUserPasswordError(String wrongPasswordMessage);
 void showProgress();
 void hideProgress();
 LoginView EMPTY = new LoginView() {...};
```

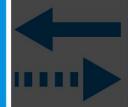


VIEW

UI: Activity, Fragments

MODEL

Data: Models, DB e business logic



PRESENTER

Mediator

```
public interface UserRepository {
  interface UserTypeAvailableListener {
    void onUserTypeAvailable(boolean isPremium);
  void isPremiumUser(
      @NonNull String userName,
      @Nullable UserTypeAvailableListener userTypeAvailableListener);
```



VIEW

UI: Activity, Fragments

MODEL

Data: Models, DB e business logic



PRESENTER

Mediator

```
public abstract class BasePresenter<ViewImplementation> {
 private ViewImplementation view;
 @NonNull protected ViewImplementation view() { return view; }
 @CallSuper public void attach(@NonNull ViewImplementation view) { this.view = view; }
 @CallSuper public void detach() { view = provideEmptyView(); }
 @NonNull protected abstract ViewImplementation provideEmptyView();
```

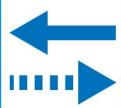


VIEW

UI: Activity, Fragments



Data: Models, DB e business logic



PRESENTER

Mediator

View

Presenter

loginPresenter.onLoginButtonClicked(userName);

```
public void onLoginButtonClicked(@NonNull String userName) {
 view().showProgress();
 final UserTypeAvailableListener listener = (isPremium) → {
      view().hideProgress();
      if (isPremium) {
        view().continueAsPremiumUser();
      } else {
        view().continueAsNormalUser();
 if (networkChecker.isOnline()) {
    remoteUserRepository.isPremiumUser(userName, listener);
 } else {
    localUserRepository.isPremiumUser(userName, listener);
```

Model

```
@Override
public void isPremiumUser(
    @NonNull final String userName,
    @Nullable UserTypeAvailableListener userTypeAvailableListener) {
    final boolean isPremium = userName.contains("premium");
    if (userTypeAvailableListener != null) {
        userTypeAvailableListener.onUserTypeAvailable(isPremium);
    }
}
```

Pora na odrobinę kodu.

jmodrako / jug_bydgoszcz_android_mvp



Warstwa danych (Repository, Dao, REST Api), czasami logika biznesowa (rich model).

Rendering, przekazywanie akcji do Presentera, schowany za *interface'em.* Implementowany najczęściej przez Activity, Fragment lub View.

Kierownik imprezy, rozkazuje widokowi, pobiera dane z modelu, **mediator między M** <-> V

PROBLEMY

- Podobnie jak kontroler w MVC tak samo prezenter lubi puchnąć (Massive View Controller).
- Threading, czy używać listenerów/callbacków, a może Observable z Rx, a może EventBus, ...

Czy i jak zapisywać stan widoku?

Dziękuję za uwagę! Q&A

More info

- https://antonioleiva.com/mvp-android/

- https://realm.io/news/eric-maxwell-mvc-mvp-and-mvvm-on-android/