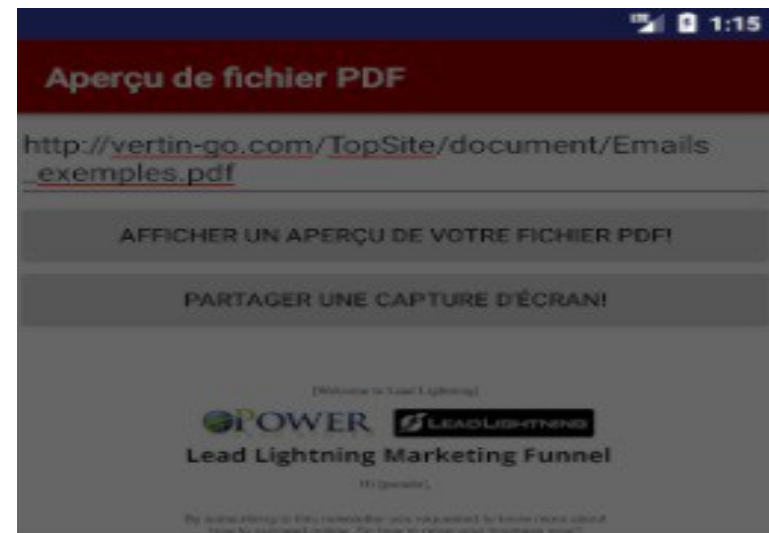


Systeme de capture d'écran + Visualisation d'un fichier PDF(Android)

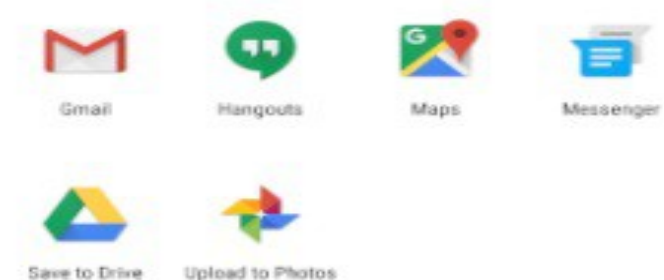
- ▶ Charge et visualise l'url du fichier en cliquant sur Afficher un Aperçu de votre fichier PDF !



- ▶ Partager une capture d'écran via Gmail, SMS, Messenger etc...



Share Screenshot



Systeme de capture d'ecran + Visualisation d'un fichier PDF(Android)

The image is a composite screenshot illustrating a system for screen capture and PDF visualization on Android. It features several key elements:

- Browser Interface:** The top part shows a web browser window with the URL `www.vertin-go.com/site/index.asp?DL`. The page content includes a video player with a progress bar at 0:01 / 4:05 and a central smartphone displaying the **TopSiteApp**. The app interface shows a navigation menu with a "Like" button and a "MENU PRINCIPALE" option.
- Website Content:** The website has a blue header with the **TopSite** logo and a thumbs-up icon. Text on the page includes "Le référencieur dans toute sa splendeur!" and "Email follow up". A red text overlay reads: "First sign up in Traffic Hurricane to get the Editable Doc with...". Another red text overlay says: "Once you will have generated your pdf if you don't know upload with your link and when you will recover the code to replace all links to my pdf with your link to your new generated pdf you will have the possibility to be notify on facebook when someone comment on your pdf". A third red text overlay at the bottom says: "li... you will have your pdf th... are code you will have he... e you will have as well w... you once your pdf will".
- File Manager:** At the bottom, a file manager interface shows a list of PDF files: "Traffic_Hurricane (4).pdf", "Traffic_Hurricane (3).pdf", "Traffic_Hurricane (2).pdf", "Traffic_Hurricane (1).pdf", and "Traffic_Hurricane.pdf". A "Tout afficher" button is visible on the right.
- System Bar:** The bottom of the image shows the Windows taskbar with the search bar "Taper ici pour rechercher", the taskbar icons, and the system tray showing the time "15:44" and date "14/09/2017".

Systeme de capture d'ecran + Visualisation d'un fichier PDF(Android)

- ▶ Au niveau programmation Java Android ajouter la ligne suivante dans votre build.gradle module : app
- ▶ compile 'es.voghdev.pdfviewpager:library:1.0.2'
- ▶ Ajouter également dans votre AndroidManifest
- ▶

```
<uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE" />
<uses-permission android:name="android.permission.READ_EXTERNAL_STORAGE" />
<uses-permission android:name="android.permission.INTERNET" />
```
- ▶ Implémenter l'interface DownloadFile.Listener et View.OnClickListener dans l'activité RemotePDFActivity
- ▶

```
public class RemotePDFActivity extends BaseSampleActivity implements
DownloadFile.Listener, View.OnClickListener{
```

Systeme de capture d'ecran + Visualisation d'un fichier PDF(Android)

- ▶ L'ensemble des imports à ajouter dans la class Remote Activity!

```
import android.content.Context;
import android.content.Intent;
import android.graphics.Bitmap;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.LinearLayout;
import android.widget.TextView;
import android.widget.Toast;

import java.io.File;

import es.voghdev.pdfviewpager.library.RemotePDFViewPager;
import es.voghdev.pdfviewpager.library.adapter.PDFPagerAdapter;
import es.voghdev.pdfviewpager.library.remote.DownloadFile;
import es.voghdev.pdfviewpager.library.util.FileUtil;
```

Systeme de capture d'ecran + Visualisation d'un fichier PDF(Android)

```
public class RemotePDFActivity extends BaseSampleActivity implements DownloadFile.Listener,
View.OnClickListener {
    LinearLayout root;
    RemotePDFViewPager remotePDFViewPager;
    EditText etPdfUrl;
    Button btnDownload;
    PDFPagerAdapter adapter;
    public Button fullPageScreenshot;
    public LinearLayout rootContent;
    public ImageView imageView;
    public TextView hiddenText;

    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setTitle(R.string.remote_pdf_example);
        setContentView(R.layout.activity_remote_pdf);

        root = (LinearLayout) findViewById(R.id.remote_pdf_root);
        etPdfUrl = (EditText) findViewById(R.id.et_pdfUrl);
        btnDownload = (Button) findViewById(R.id.btn_download);

        Intent intent = getIntent();
        // On suppose que tu as mis un String dans l'Intent via le putExtra()
        String url = intent.getStringExtra("url");

        etPdfUrl.setText(url);

        setDownloadButtonListener();
    }
}
```

Systeme de capture d'ecran + Visualisation d'un fichier PDF(Android)

- ▶ Ajouter les méthodes suivantes à la class RemotePDFActivity

```
▶ protected void setDownloadButtonListener() {  
    final Context ctx = this;  
    final DownloadFile.Listener listener = this;  
    btnDownload.setOnClickListener(new View.OnClickListener() {  
        @Override  
        public void onClick(View view) {  
            remotePDFViewPager = new RemotePDFViewPager(ctx, getUrlFromEditText(), listener);  
            remotePDFViewPager.setId(R.id.pdfViewPager);  
            hideDownloadButton();  
        }  
    });  
}
```

```
protected String getUrlFromEditText() {  
    return etPdfUrl.getText().toString().trim();  
}
```

```
public static void open(Context context) {  
    Intent i = new Intent(context, RemotePDFActivity.class);  
    context.startActivity(i);  
}
```

```
public void showDownloadButton() {  
    btnDownload.setVisibility(View.VISIBLE);  
}
```

```
public void hideDownloadButton() {  
    btnDownload.setVisibility(View.INVISIBLE);  
}
```

```
public void updateLayout() {  
    root.removeAllViewsInLayout();  
    root.addView(etPdfUrl,  
        LinearLayout.LayoutParams.MATCH_PARENT, LinearLayout.LayoutParams.WRAP_CONTENT);  
    root.addView(btnDownload,  
        LinearLayout.LayoutParams.MATCH_PARENT, LinearLayout.LayoutParams.WRAP_CONTENT);  
    root.addView(fullPageScreenshot,  
        LinearLayout.LayoutParams.MATCH_PARENT, LinearLayout.LayoutParams.WRAP_CONTENT);  
    root.addView(remotePDFViewPager,  
        LinearLayout.LayoutParams.MATCH_PARENT, LinearLayout.LayoutParams.WRAP_CONTENT);  
}
```

Systeme de capture d'ecran + Visualisation d'un fichier PDF(Android)

- ▶ Ajouter les méthodes suivantes à la class RemoteActivity

```
▶ @Override
public void onSuccess(String url, String destinationPath) {
    adapter = new PDFPagerAdapter(this,
FileUtil.extractFileNameFromURL(url));
    remotePDFViewPager.setAdapter(adapter);
    updateLayout();
    showDownloadButton();
}
```

```
@Override
public void onFailure(Exception e) {
    e.printStackTrace();
    showDownloadButton();
}
```

```
@Override
public void onProgressUpdate(int progress, int total) {
}
```

Systeme de capture d'ecran + Visualisation d'un fichier PDF(Android)

- ▶ Ajouter aussi la class BaseSampleActivity

```
import android.graphics.drawable.ColorDrawable;
import android.os.Bundle;
import android.support.annotation.Nullable;
import android.support.v4.content.ContextCompat;
import android.support.v7.app.ActionBar;
import android.support.v7.app.AppCompatActivity;

public class BaseSampleActivity extends AppCompatActivity {

    @Override
    protected void onCreate(@Nullable Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

        configureActionBar();
    }

    protected void configureActionBar() {
        int color = ContextCompat.getColor(this, R.color.pdfViewPager_ab_color);
        ActionBar ab = getSupportActionBar();
        ab.setBackgroundDrawable(new ColorDrawable(color));
    }
}
```


Systeme de capture d'ecran + Visualisation d'un fichier PDF(Android)

- ▶ Ajouter les méthodes suivantes à la class RemotePDFActivity pour la capture d'ecran!

```
▶ /* Find all views Ids */
public void findViews() {
    fullPageScreenshot = (Button) findViewById(R.id.full_page_screenshot);
    rootContent = (LinearLayout) findViewById(R.id.remote_pdf_root);
}

/* Implement Click events over Buttons */
public void implementClickEvents() {
    fullPageScreenshot.setOnClickListener(this);
    //customPageScreenshot.setOnClickListener(this);
}

@Override
public void onClick(View v) {
    switch (v.getId()) {
        case R.id.full_page_screenshot:
            takeScreenshot(ScreenshotType.FULL);
            break;
    }
}
```

Systeme de capture d'ecran + Visualisation d'un fichier PDF(Android)

▶ Ajouter les methodes suivantes dans la class RemotePDFActivity

```
▶ /* Method which will take screenshot on Basis of Screenshot Type ENUM */
public void takeScreenshot(ScreenshotType screenshotType) {
    Bitmap b = null;
    switch (screenshotType) {
        case FULL:
            //If Screenshot type is FULL take full page screenshot i.e our root content.
            b = ScreenshotUtils.getScreenShot(rootContent);
            break;
    }

    //If bitmap is not null
    if (b != null) {
        File saveFile = ScreenshotUtils.getMainDirectoryName(this);//get the path to save screenshot
        File file = ScreenshotUtils.store(b, "screenshot" + screenshotType + ".jpg", saveFile);//save the screenshot to selected path
        shareScreenshot(file);//finally share screenshot
    } else
        //If bitmap is null show toast message
        Toast.makeText(this, R.string.screenshot_take_failed, Toast.LENGTH_SHORT).show();
}

/* Show screenshot Bitmap */

/* Share Screenshot */
public void shareScreenshot(File file) {
    Uri uri = Uri.fromFile(file);//Convert file path into Uri for sharing
    Intent intent = new Intent();
    intent.setAction(Intent.ACTION_SEND);
    intent.setType("image/*");
    intent.putExtra(android.content.Intent.EXTRA_SUBJECT, "");
    intent.putExtra(android.content.Intent.EXTRA_TEXT, getString(R.string.sharing_text));
    intent.putExtra(Intent.EXTRA_STREAM, uri);//pass uri here
    startActivity(Intent.createChooser(intent, getString(R.string.share_title)));
}
```

Systeme de capture d'ecran + Visualisation d'un fichier PDF(Android)

▶ Ajouter la class ScreenshotUtils

```
▶ import android.content.Context;
import android.graphics.Bitmap;
import android.os.Environment;
import android.util.Log;
import android.view.View;

import java.io.File;
import java.io.FileOutputStream;

/**
 * Created by sonu on 23/03/17.
 */
public class ScreenshotUtils {

    /* Method which will return Bitmap after taking screenshot. We have to pass the view which we want to take screenshot.
    */
    public static Bitmap getScreenShot(View view) {
        View screenView = view.getRootView();
        screenView.setDrawingCacheEnabled(true);
        Bitmap bitmap = Bitmap.createBitmap(screenView.getDrawingCache());
        screenView.setDrawingCacheEnabled(false);
        return bitmap;
    }

    /* Create Directory where screenshot will save for sharing screenshot */
    public static File getMainDirectoryName(Context context) {
        //Here we will use getExternalFilesDir and inside that we will make our Demo folder
        //benefit of getExternalFilesDir is that whenever the app uninstalls the images will get deleted automatically.
        File mainDir = new File(
            context.getExternalFilesDir(Environment.DIRECTORY_PICTURES), "Demo");

        //If File is not present create directory
        if (!mainDir.exists()) {
            if (mainDir.mkdir())
                Log.e("Create Directory", "Main Directory Created : " + mainDir);
        }
        return mainDir;
    }
}
```

Systeme de capture d'ecran + Visualisation d'un fichier PDF(Android)

- ▶ Ajouter une dernière méthode à la class ScreenshotUtils

```
▶ /* Store taken screenshot into above created path */
  public static File store(Bitmap bm, String fileName, File saveFilePath) {
    File dir = new File(saveFilePath.getAbsolutePath());
    if (!dir.exists())
      dir.mkdirs();
    File file = new File(saveFilePath.getAbsolutePath(), fileName);
    try {
      FileOutputStream fOut = new FileOutputStream(file);
      bm.compress(Bitmap.CompressFormat.JPEG, 85, fOut);
      fOut.flush();
      fOut.close();
    } catch (Exception e) {
      e.printStackTrace();
    }
    return file;
  }
```

Systeme de capture d'ecran + Visualisation d'un fichier PDF(Android)

► Le layout activity remote PDF

```
► <?xml version="1.0" encoding="utf-8" ?>
  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/remote_pdf_root"
    android:orientation="vertical"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent">

    <EditText
      android:id="@+id/et_pdfUrl"
      android:layout_width="match_parent"
      android:layout_height="wrap_content"
      android:hint="@string/remote_pdf_url"
      android:text="@string/sample_pdf_url"
    />

    <Button
      android:id="@+id/btn_download"
      android:layout_width="match_parent"
      android:layout_height="wrap_content"
      android:text="@string/download"/>

    <Button
      android:id="@+id/full_page_screenshot"
      android:layout_width="match_parent"
      android:layout_height="wrap_content"
      android:text="@string/full_page_screenshot"
    />
  </LinearLayout>
```

Systeme de capture d'ecran + Visualisation d'un fichier PDF(Android)

- ▶ Appelé les méthodes suivantes dans le onCreate de l'activité RemotePDFActivity
- ▶

```
findViews();  
implementClickEvents();
```
- ▶ N'oublier pas également de changer l'activité de départ de votre application par RemotePDFActivity
- ▶

```
<activity  
    android:name=".RemotePDFActivity"  
    android:label="@string/app_name">  
    <intent-filter>  
        <action android:name="android.intent.action.MAIN" />  
        <category android:name="android.intent.category.LAUNCHER" />  
    </intent-filter>  
</activity>
```

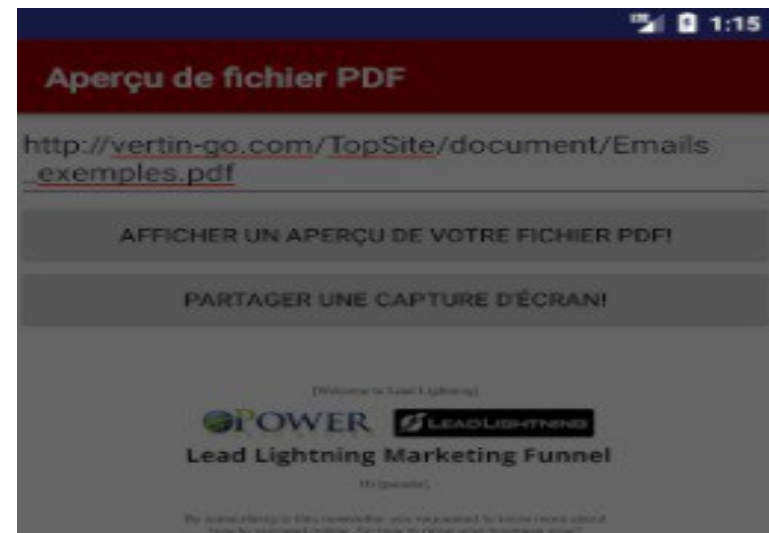
Systeme de capture d'écran + Visualisation d'un fichier PDF(Android)

Vous devriez donc obtenir le résultat suivant!

- ▶ Charge et visualise l'url du fichier en cliquant sur Afficher un Aperçu de votre fichier PDF !



- ▶ Partager une capture d'écran via Gmail, SMS, Messenger etc...



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