**Nuevos requerimientos**

**Iniciativa**

Utilizar el GPS del celular para la captura de las coordenadas de los Locales Educativos.

**Problemas**

1. En zonas rurales no hay acceso a Internet para el envío de los datos.
2. El usuario debe ver las coordenadas recogidas.
3. El usuario debe conocer la precisión de las coordenadas al momento de la recolección de las coordenadas.
4. La foto tomada debe ser en modo panorámico.
5. El usuario debe previsualizar la foto capturada.
6. La foto capturada debe ser de un peso y dimensión específica.
7. El usuario debe poder ver los datos enviados
8. El usuario debe poder ver la confirmación de los datos enviados.
9. Si no hay Internet los datos debe ser enviados apenas se encuentre conexión.

**Soluciones**

Final

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

[Material Palette](http://materialpalette.com)

https://www.youtube.com/watch?v=ynOUzHFFMeg

Watermark

(fail)

<https://www.youtube.com/watch?v=Ko_Caq8yctk>

Scroll

https://www.develou.com/scrollview-en-android/

<https://www.youtube.com/watch?v=Wx1wnv4fzyQ&t=7s>

EditView Styles

<https://www.youtube.com/watch?v=BO5iCL7U6Lc>

Barrier y Groups

<https://www.youtube.com/watch?v=Ngz5cgLC7m4>

Cambiar márgenes programando

<https://stackoverflow.com/questions/15636401/how-to-set-margins-for-textview-programmatically>

Progress bar

<https://www.youtube.com/watch?v=YsHHXg1vbcc>

<https://www.youtube.com/watch?v=hSfN_aYKkzo>

Horizontal Progress Bar

<http://revansiddappa.blogspot.com/p/post-83-android-change-progress-bar.html>

Activity Result

<https://www.youtube.com/watch?v=AD5qt7xoUU8>

Volley?

<https://stackoverflow.com/questions/53466851/how-to-get-data-from-text-view-in-first-activity-and-post-it-from-another-activi>

Cuadros de mensaje

<https://www.youtube.com/watch?v=tccoRIrMyhU>

<https://www.youtube.com/watch?v=FCScsD0ZzOg>

Activar GPS

<https://developer.android.com/training/location/change-location-settings#java>

<https://es.stackoverflow.com/questions/110566/c%C3%B3mo-puedo-activar-el-gps-autom%C3%A1ticamente-en-android>

Leer Texto

<https://www.youtube.com/watch?v=C0TcZhpSCNQ>

<https://stackoverflow.com/questions/2492076/android-reading-from-an-input-stream-efficiently>

<https://www.youtube.com/watch?v=EcfUkjlL9RI>

Recicler view

<https://www.youtube.com/watch?v=18VcnYN5_LM>

<https://www.youtube.com/watch?v=xgpLYwEmlO0>

<https://stackoverflow.com/questions/45397199/android-recyclerview-in-constraintlayout-doesnt-scroll>

JSON

<https://www.youtube.com/watch?v=mGSBbnZIZPk>

<https://www.youtube.com/watch?v=2-D7mHqY8q8>

<https://www.youtube.com/watch?v=wCWPp2pi8a4>

<https://www.youtube.com/watch?v=eYQSkadfa4k>

Recycler View + JSON

<https://www.youtube.com/watch?v=USbTcGx1mD0&list=PLk7v1Z2rk4hjHrGKo9GqOtLs1e2bglHHA>

<https://www.youtube.com/watch?v=gGFvbvkZiMs>

<https://www.youtube.com/watch?v=HYLbHkBi6So>

<https://www.youtube.com/watch?v=2-D7mHqY8q8&list=PLTR7MDYHvzpMt4-BYjOh2aFCLy5hp6LU4&index=1>

<https://www.youtube.com/watch?v=2-D7mHqY8q8>

Variables Globales

<https://www.youtube.com/watch?v=fJEFZ6EOM9o>

Crear archivo y escribir en él

<https://www.youtube.com/watch?v=7CEcevGbIZU>

Add to Array

<https://stackoverflow.com/questions/11449803/android-adding-json-objects-into-an-array>

<https://www.tabnine.com/code/java/methods/android.content.Context/openFileOutput>

getFilesDir()

<https://developer.android.com/training/data-storage/app-specific>

Versiones y nivel de API de Android

<https://developer.android.com/guide/topics/manifest/uses-sdk-element?hl=es-419>

AlertDialog

<https://stackoverflow.com/questions/2115758/how-do-i-display-an-alert-dialog-on-android>

AddTextChangeListener

<https://stackoverflow.com/questions/20824634/android-on-text-change-listener>

HttpURLConnection

<https://stackoverflow.com/questions/32964827/get-text-from-a-url-using-android-httpurlconnection>

InputStream / InputStreamReader

<https://stackoverflow.com/questions/2492076/android-reading-from-an-input-stream-efficiently>

<https://stackoverflow.com/questions/14418021/get-text-from-web-page-to-string>

HttpUrlConnection - POST

<https://blog.codavel.com/how-to-integrate-httpurlconnection>

NameValueCollection

<https://learn.microsoft.com/en-us/dotnet/api/system.collections.specialized.namevaluecollection?view=net-6.0>

Httputility Parsequerystring

<https://learn.microsoft.com/es-es/dotnet/api/system.web.httputility.parsequerystring?view=net-6.0>

Vector asset

<https://medium.com/@ali.muzaffar/understanding-vectordrawable-pathdata-commands-in-android-d56a6054610e>

ImageView Bordes

<https://stackoverflow.com/questions/3263611/border-for-an-image-view-in-android>

Reduce image size

<https://stackoverflow.com/questions/8417034/how-to-make-bitmap-compress-without-change-the-bitmap-size>

<https://developer.android.com/develop/ui/views/graphics/reduce-image-sizes>

<https://www.mindbowser.com/image-compression-in-android/>

<https://www.youtube.com/watch?v=5WXbgXd8A9Q>

<https://stackoverflow.com/questions/18573774/how-to-reduce-an-image-file-size-before-uploading-to-a-server>

URL Encoding (Problem)

<https://stackoverflow.com/questions/2925729/invalid-length-for-a-base-64-char-array>

URL Encoding

<https://stackoverflow.com/questions/3286067/url-encoding-in-android>

<https://www.tutorialspoint.com/how-can-i-encode-a-url-in-android>

Fondo de GPS

<https://es.acervolima.com/como-crear-una-vista-de-imagen-circular-en-android-sin-usar-ninguna-biblioteca/>