

Movies & Cinemas

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Main Page of Project

Aplikacja powstała na zajęciach z przedmiotu Programowanie aplikacja dla technologii mobilnych na Szczecińskim ZUT-cie. Aplikacja służy do wyszukiwania filmów z dowolnego kina, oraz pokazaniu trasy do niej z punktu lokalizacji urządzenia. Aplikacja posiada również mapę w której można wyszukiwać kina lub inne cele, a następnie wyznaczać do nich trasę. Aplikacja automatycznie pobiera dane lokalizacyjne telefonu i wyznacza trasę za pomocą GoogleMaps.

Podział zadań:

Miłosz Kita – Wyświetlanie trasy w mapach Googla, Dokumentacja

Piotr Lapis - Parser, wyświetlanie linków do kin

Tomasz Sobieraj – Pobieranie lokalizacji, Wyszukiwanie w GoogleMaps, Lista z podpowiedziami w wyszukiwaniu w GoogleMaps

Wykorzystane technologie:

GoogleMaps - <https://developers.google.com/maps/documentation/>

GoogleRouts - <https://cloud.google.com/maps-platform/routes/>

Google Places Api - <https://developers.google.com/places/web-service/intro>

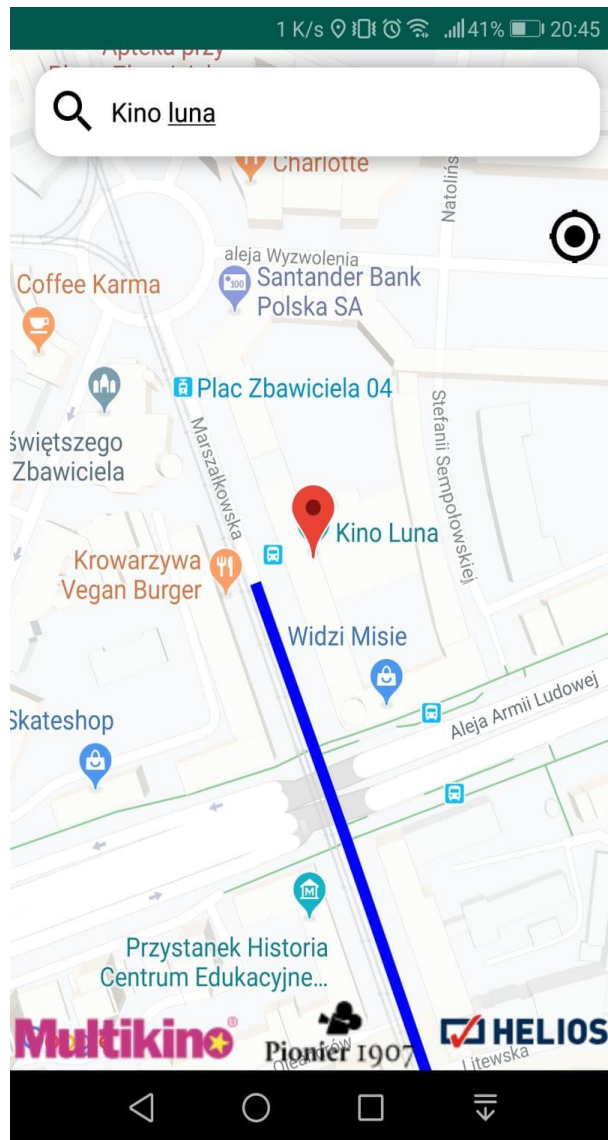
Jsoup - <https://jsoup.org/>

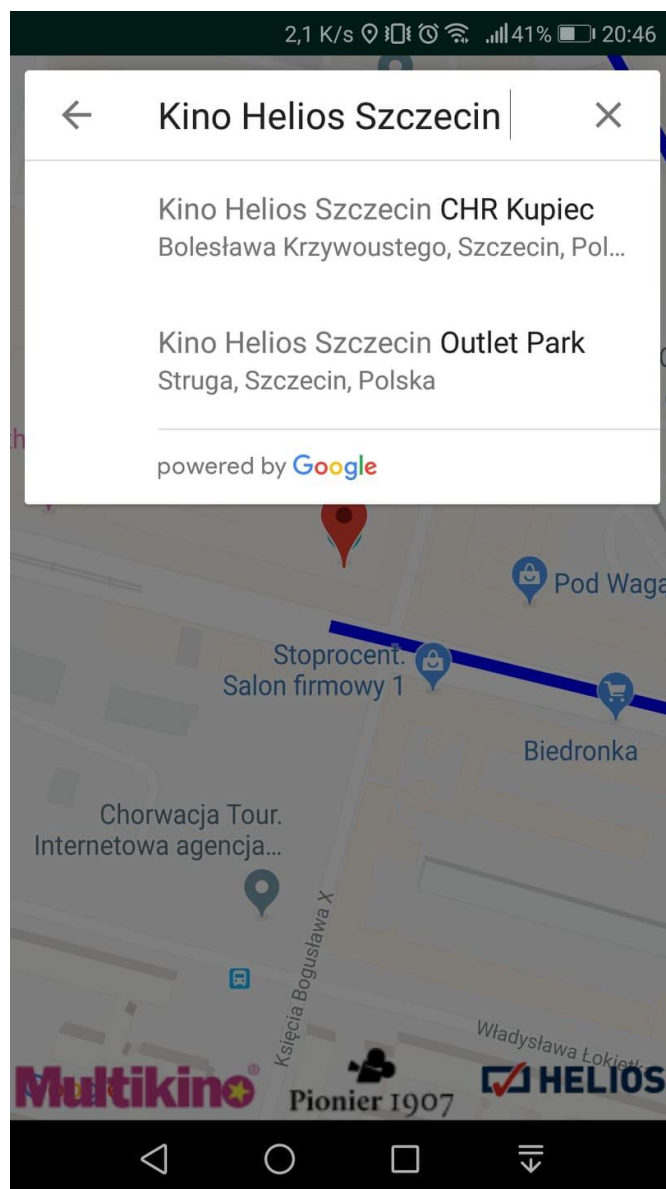
Link do githuba:

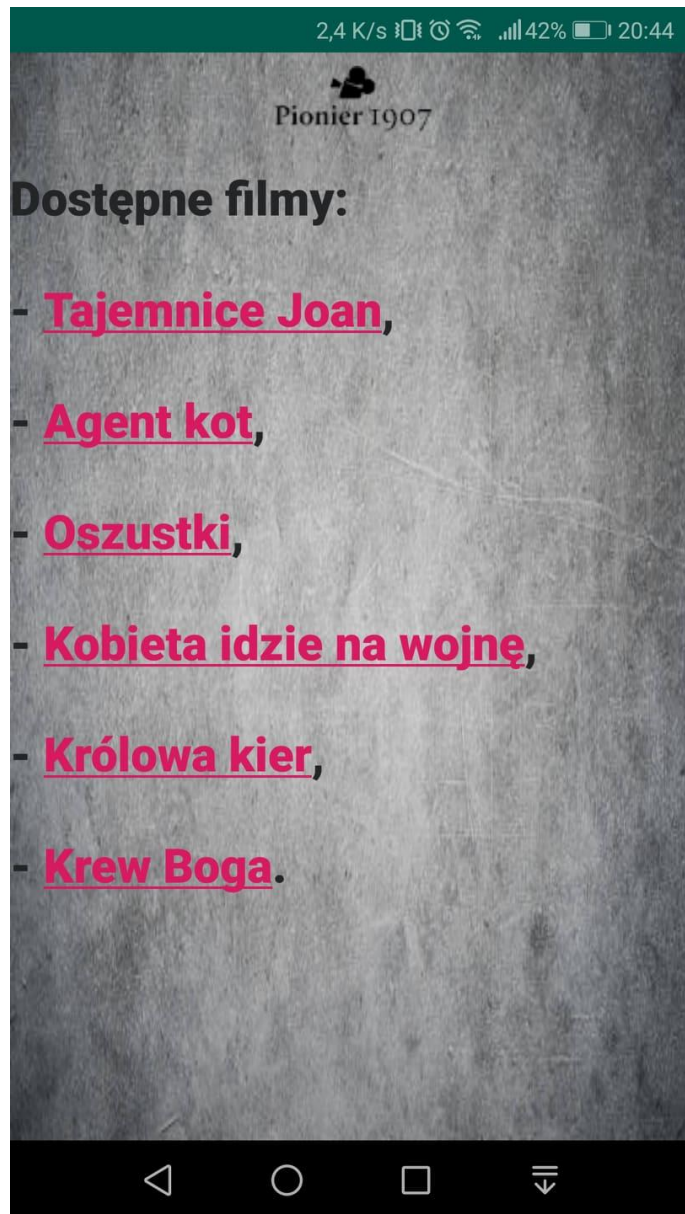
https://github.com/Milosz36073/Android_Project

Screeny z gotowej aplikacji









Multikino

Dostępne filmy:

- Avengers: Koniec gry,
- Brightburn: Syn ciemności,
- Chłopiec z burzy,
- Dumbo,
- Gloria Bell,
- Godzilla II: Król potworów,
- John Wick 3,
- Kurier,



Dostępne filmy:

- Laleczka,
- Men in Black International,
- Agent Kot,
- Godzilla II: Król potworów,
- Pokémon Detektyw Pikachu,
- Paskudy. UglyDolls,
- Rocketman.

Namespace Index

Packages

Here are the packages with brief descriptions (if available):

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Hierarchical Index

Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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com.example.myapplication.ExampleUnitTest	19
com.example.myapplication.directionhelpers.FetchURL	20
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com.example.myapplication.Helios	24
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com.example.myapplication.directionhelpers.PointsParser	34
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File List

Here is a list of all files with brief descriptions:

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Namespace Documentation

Package com

Packages

package **example**

Package com.example

Packages

`package myapplication`

Package com.example.myapplication

Packages

package **directionhelpers**

Classes

class **ExampleInstrumentedTest**

class **ExampleUnitTest**

class **FilmListActivity**

class **Helios**

class **MapsActivity**

class **Multikino**

class **Pionier**

Package com.example.myapplication.directionhelpers

Classes

class **DataParser**

class **FetchURL**

class **PointsParser**

interface **TaskLoadedCallback**

Class Documentation

com.example.myapplication.directionhelpers.DataParser Class Reference

Public Member Functions

List< List< HashMap< String, String > > > **parse** (JSONObject jObject)

Private Member Functions

List< LatLng > **decodePoly** (String encoded)

Detailed Description

Created by Vishal on 10/20/2018.

Definition at line 17 of file DataParser.java.

Member Function Documentation

List<LatLng> com.example.myapplication.directionhelpers.DataParser.decodePoly
(String *encoded*) [*private*]

Method to decode polyline points Courtesy :
<https://jeffreysambells.com/2010/05/27/decoding-polylines-from-google-maps-direction-api-with-java>

Definition at line 64 of file DataParser.java.

List<List<HashMap<String, String> > >
com.example.myapplication.directionhelpers.DataParser.parse (JSONObject *jObject*)

Traversing all routes

Traversing all legs

Traversing all steps

Traversing all points

Definition at line 18 of file DataParser.java.

The documentation for this class was generated from the following file:

app/src/main/java/com/example/myapplication/directionhelpers/DataParser.java

com.example.myapplication.ExampleInstrumentedTest Class Reference

Public Member Functions

void **useAppContext** ()

Detailed Description

Instrumented test, which will execute on an Android device.

See also:

[Testing documentation](#)

Definition at line 18 of file ExampleInstrumentedTest.java.

Member Function Documentation

void com.example.myapplication.ExampleInstrumentedTest.useAppContext ()

Definition at line 20 of file ExampleInstrumentedTest.java.

The documentation for this class was generated from the following file:

`app/src/androidTest/java/com/example/myapplication/ExampleInstrumentedTest.java`

com.example.myapplication.ExampleUnitTest Class Reference

Public Member Functions

void **addition_isCorrect** ()

Detailed Description

Example local unit test, which will execute on the development machine (host).

See also:

[Testing documentation](#)

Definition at line 12 of file ExampleUnitTest.java.

Member Function Documentation

void **com.example.myapplication.ExampleUnitTest.addition_isCorrect** ()

Definition at line 14 of file ExampleUnitTest.java.

The documentation for this class was generated from the following file:

app/src/test/java/com/example/myapplication/**ExampleUnitTest.java**

com.example.myapplication.directionhelpers.FetchURL Class Reference

Inherits AsyncTask< String, Void, String >.

Public Member Functions

FetchURL (Context mContext)

Protected Member Functions

String **doInBackground** (String... strings)

void **onPostExecute** (String s)

Package Attributes

Context **mContext**

String **directionMode** = "driving"

Private Member Functions

String **downloadUrl** (String strUrl) throws IOException

Detailed Description

Created by Vishal on 10/20/2018.

Definition at line 19 of file FetchURL.java.

Constructor & Destructor Documentation

com.example.myapplication.directionhelpers.FetchURL.FetchURL (Context mContext)

Definition at line 23 of file FetchURL.java.

Member Function Documentation

String **com.example.myapplication.directionhelpers.FetchURL.doInBackground** (String... *strings*) [protected]

Definition at line 28 of file FetchURL.java.

String **com.example.myapplication.directionhelpers.FetchURL.downloadUrl** (String *strUrl*) throws IOException [private]

Definition at line 50 of file FetchURL.java.

void **com.example.myapplication.directionhelpers.FetchURL.onPostExecute** (String s) [protected]

Definition at line 43 of file FetchURL.java.

Member Data Documentation

String `com.example.myapplication.directionhelpers.FetchURL.directionMode = "driving"` [`package`]

Definition at line 21 of file FetchURL.java.

Context `com.example.myapplication.directionhelpers.FetchURL.mContext` [`package`]

Definition at line 20 of file FetchURL.java.

The documentation for this class was generated from the following file:

`app/src/main/java/com/example/myapplication/directionhelpers/`**FetchURL.java**

com.example.myapplication.FilmListActivity Class Reference

Inherits AppCompatActivity.

Protected Member Functions

void **onCreate** (Bundle savedInstanceState)

Private Member Functions

void **getLinks** ()

Metoda pobierająca linki ze stron internetowych kin.

Private Attributes

TextView **result**

Zmienna typu TextView przechowująca listę dostępnych filmów.

Detailed Description

Klasa wyświetlająca wszystkie dostępne filmy

Definition at line 15 of file FilmListActivity.java.

Member Function Documentation

void com.example.myapplication.FilmListActivity.getLinks () [private]

Metoda pobierająca linki ze stron internetowych kin.

Definition at line 31 of file FilmListActivity.java.

void com.example.myapplication.FilmListActivity.onCreate (Bundle savedInstanceState) [protected]

Definition at line 20 of file FilmListActivity.java.

Member Data Documentation

TextView com.example.myapplication.FilmListActivity.result [private]

Zmienna typu TextView przechowująca listę dostępnych filmów.

Definition at line 17 of file FilmListActivity.java.

The documentation for this class was generated from the following file:

`app/src/main/java/com/example/myapplication/FilmListActivity.java`

com.example.myapplication.Helios Class Reference

Inherits AppCompatActivity.

Protected Member Functions

void **onCreate** (Bundle savedInstanceState)

Detailed Description

Klasa wyświetlająca listę filmów wraz z linkami z wybranego kina tj. **Helios**

Definition at line 17 of file Helios.java.

Member Function Documentation

void **com.example.myapplication.Helios.onCreate** (Bundle *savedInstanceState*) [*protected*]

Zmienna typu String przechowująca listę z danymi filmami z kina **Helios**

Wyznaczanie linków do jakich ma się odnieść po kliknięciu

Wyzaczanie liter stringa danego filmu które mają być klikane

Definition at line 20 of file Helios.java.

The documentation for this class was generated from the following file:

app/src/main/java/com/example/myapplication/**Helios.java**

com.example.myapplication.MainActivity Class Reference

Inherits AppCompatActivity, OnMapReadyCallback, and **com.example.myapplication.directionhelpers.TaskLoadedCallback**.

Public Member Functions

void **openMultikino** ()

*Metoda wywołuje nowe activity z linkami z kina **Multikino**.*

void **openHelios** ()

*Metoda wywołuje nowe activity z linkami z kina **Helios**.*

void **openPionier** ()

*Metoda wywołuje nowe activity z linkami z kina **Pionier**.*

void **showMovies** (HashSet movies)

Metoda wywołuje nowe activity z linkami do filmów wszystkich dostępnych kin.

void **onMapReady** (GoogleMap googleMap)

Metoda sprawdzająca włączoną lokalizację urządzenia.

void **onTaskDone** (Object... values)

Metoda służąca do dodawania znaczników na mapie.

void **onRequestPermissionsResult** (int requestCode, @NonNull String[] permissions, @NonNull int[] grantResults)

Protected Member Functions

void **onCreate** (Bundle savedInstanceState)

Package Attributes

ImageButton **multikinoButton**

*Ikona kina **Multikino**.*

ImageButton **heliosButton**

*Ikona kina **Helios**.*

ImageButton **pionierButton**

*Ikona kina **Pionier**.*

Location **currentLocation**

Aktualne współrzędne urządzenia.

MarkerOptions **place1**

MarkerOptions **place2**

Punkty do wyznaczania trasy pomiędzy nimi.

Polyline **currentPolyline**

Obecny punkt ze współrzędnych urządzenia.

Private Member Functions

void **init** ()

Metoda inicjalizująca.

void **geoLocate** ()

Metoda służąca do odnajdywania i pobierania danych z punktu.

void **initMap** ()

Metoda inicjalizująca GoogleMaps.

void **moveCamera** (LatLng latLng, float zoom, String title)

Metoda służąca do przesuwania kamery mapy do wyszukanego punktu.

String **getUrl** (LatLng origin, LatLng dest, String directionMode)

Metoda służąca do wyznaczania drogi z dwóch punktów w za pomocą GoogleMaps.

void **getDeviceLocation** ()

Metoda służąca do pobrania lokalizacji urządzenia.

void **getLocationPermission** ()

Metoda służąca do zapytania urządzenia dostępie do lokalizacji.

void **hideKeyboard** ()

Metoda służąca chowaniu się klawiatury po wyszukaniu danego elementu.

Private Attributes

GoogleMap **mMap**

PlacesClient **placesClient**

Place **place**

EditText **mSearchText**

Pole do wyszukiwania punktów na mapie.

ImageView **mGps**

okno nawigacji

Boolean **mLocationPermissionGranted** = false

FusedLocationProviderClient **mFusedLocationProviderClient**

Static Private Attributes

static final String **apiKey** = "AIzaSyDEwKJsjanggTqr_CGk3a0jkY43NVdVHOQ"

static final String **TAG** = MapsActivity.class.getSimpleName()

static final String **FINE_LOCATION** = Manifest.permission.ACCESS_FINE_LOCATION

static final String **COURSE_LOCATION** = Manifest.permission.ACCESS_COARSE_LOCATION

static final int **LOCATION_PERMISSION_REQUEST_CODE** = 1254

static final float **DEFAULT_ZOOM** = 17f

Detailed Description

Główna klasa aplikacji *służąca* do sterowania logiką aplikacji. Zawiera parser, obsługę Google Maps oraz przekierowania do widoków.

Definition at line 61 of file MapsActivity.java.

Member Function Documentation

void com.example.myapplication.MapsActivity.geoLocate () [private]

Metoda służąca do odnajdywania i pobierania danych z punktu.

Definition at line 161 of file MapsActivity.java.

void com.example.myapplication.MapsActivity.getDeviceLocation () [private]

Metoda służąca do pobrania lokalizacji urządzenia.

Definition at line 329 of file MapsActivity.java.

void com.example.myapplication.MapsActivity.getLocationPermission () [private]

Metoda służąca do zapytania urządzenia o dostęp do lokalizacji.

Definition at line 364 of file MapsActivity.java.

String com.example.myapplication.MapsActivity.getUrl (LatLng *origin*, LatLng *dest*, String *directionMode*) [private]

Metoda służąca do wyznaczania drogi z dwóch punktów w za pomocą GoogleMaps.

Definition at line 309 of file MapsActivity.java.

void com.example.myapplication.MapsActivity.hideKeyboard () [private]

Metoda służąca chowaniu się klawiatury po wyszukaniu danego elementu.

Definition at line 415 of file MapsActivity.java.

void com.example.myapplication.MapsActivity.init () [private]

Metoda inicjalizująca

Definition at line 111 of file MapsActivity.java.

void com.example.myapplication.MapsActivity.initMap () [private]

Metoda inicjalizująca GoogleMaps.

Definition at line 253 of file MapsActivity.java.

void com.example.myapplication.MainActivity.moveCamera (LatLng *latLng*, float *zoom*, String *title*) [private]

Metoda służąca do przesuwania kamery mapy do wyszukanego punktu.

Definition at line 285 of file MainActivity.java.

void com.example.myapplication.MainActivity.onCreate (Bundle *savedInstanceState*) [protected]

Definition at line 94 of file MainActivity.java.

void com.example.myapplication.MainActivity.onMapReady (GoogleMap *googleMap*)

Metoda sprawdzca włączoną lokalizację urządzenia.

Definition at line 264 of file MainActivity.java.

void com.example.myapplication.MainActivity.onRequestPermissionsResult (int *requestCode*, @NonNull String [] *permissions*, @NonNull int [] *grantResults*)

Definition at line 389 of file MainActivity.java.

void com.example.myapplication.MainActivity.onTaskDone (Object... *values*)

Metoda służąca do dodawania znaczników na mapie.

Implements **com.example.myapplication.directionhelpers.TaskLoadedCallback** (p.36).

Definition at line 355 of file MainActivity.java.

void com.example.myapplication.MainActivity.openHelios ()

Metoda wywołuje nowe activity z linkami z kina **Helios**.

Definition at line 142 of file MainActivity.java.

void com.example.myapplication.MainActivity.openMultikino ()

Metoda wywołuje nowe activity z linkami z kina **Multikino**.

Definition at line 136 of file MainActivity.java.

void com.example.myapplication.MainActivity.openPionier ()

Metoda wywołuje nowe activity z linkami z kina **Pionier**.

Definition at line 148 of file MainActivity.java.

void com.example.myapplication.MainActivity.showMovies (HashSet *movies*)

Metoda wywołuje nowe activity z linkami do filmów wszystkich dostępnych kin.

Definition at line 154 of file MainActivity.java.

Member Data Documentation

final String com.example.myapplication.MainActivity.apiKey =
"AlzaSyDEwKJsjanggTqr_CGk3a0jkY43NVdVHOQ" [static], [private]

Definition at line 68 of file MainActivity.java.

final String com.example.myapplication.MainActivity.COURSE_LOCATION =
Manifest.permission.ACCESS_COARSE_LOCATION [static], [private]

Definition at line 71 of file MainActivity.java.

Location com.example.myapplication.MainActivity.currentLocation [package]

Aktualna współrzędna urządzenia.

Definition at line 88 of file MainActivity.java.

Polyline com.example.myapplication.MainActivity.currentPolyline [package]

Obecny punkt ze współrzędnych urządzenia.

Definition at line 90 of file MainActivity.java.

final float com.example.myapplication.MainActivity.DEFAULT_ZOOM = 17f [static],
[private]

Definition at line 73 of file MainActivity.java.

final String com.example.myapplication.MainActivity.FINE_LOCATION =
Manifest.permission.ACCESS_FINE_LOCATION [static], [private]

Definition at line 70 of file MainActivity.java.

ImageButton com.example.myapplication.MainActivity.heliosButton [package]

Ikona kina **Helios**.

Definition at line 81 of file MainActivity.java.

final int
com.example.myapplication.MainActivity.LOCATION_PERMISSION_REQUEST_CODE
= 1254 [static], [private]

Definition at line 72 of file MainActivity.java.

FusedLocationProviderClient
com.example.myapplication.MainActivity.mFusedLocationProviderClient [private]

Definition at line 87 of file MainActivity.java.

ImageView com.example.myapplication.MainActivity.mGps [private]

Okno nawigacji

Definition at line 77 of file MapsActivity.java.

Boolean com.example.myapplication.MainActivity.mLocationPermissionGranted = false [private]

Definition at line 86 of file MapsActivity.java.

GoogleMap com.example.myapplication.MainActivity mMap [private]

Definition at line 63 of file MapsActivity.java.

EditText com.example.myapplication.MainActivity.mSearchText [private]

Pole do wyszukiwania punktów na mapie.

Definition at line 76 of file MapsActivity.java.

ImageButton com.example.myapplication.MainActivity.multikinoButton [package]

Ikona kina **Multikino**.

Definition at line 80 of file MapsActivity.java.

ImageButton com.example.myapplication.MainActivity.pionierButton [package]

Ikona kina **Pionier**.

Definition at line 82 of file MapsActivity.java.

Place com.example.myapplication.MainActivity.place [private]

Definition at line 67 of file MapsActivity.java.

MarkerOptions com.example.myapplication.MainActivity.place1 [package]

Definition at line 89 of file MapsActivity.java.

MarkerOptions com.example.myapplication.MainActivity.place2 [package]

Punkty do wyznaczania trasy pomiędzy nimi.

Definition at line 89 of file MapsActivity.java.

PlacesClient com.example.myapplication.MainActivity.placesClient [private]

Definition at line 66 of file MapsActivity.java.

```
final String com.example.myapplication.MainActivity.TAG =  
MainActivity.class.getSimpleName() [static], [private]
```

Definition at line 69 of file MainActivity.java.

The documentation for this class was generated from the following file:

app/src/main/java/com/example/myapplication/MainActivity.java

com.example.myapplication.Multikino Class Reference

Inherits AppCompatActivity.

Protected Member Functions

void **onCreate** (Bundle savedInstanceState)

Detailed Description

Klasa wyświetlająca listę filmów wraz z linkami z wybranego kina tj. **Multikino**

Definition at line 17 of file Multikino.java.

Member Function Documentation

void **com.example.myapplication.Multikino.onCreate** (Bundle savedInstanceState) [protected]

Zmienna typu String przechowująca listę z danymi filmami z kina **Multikino**

Wyznaczanie linków do jakich ma się odnieść po kliknięciu

Wyzaczanie liter stringa danego filmu które mają być klikane

Definition at line 20 of file Multikino.java.

The documentation for this class was generated from the following file:

app/src/main/java/com/example/myapplication/**Multikino.java**

com.example.myapplication.Pionier Class Reference

Inherits AppCompatActivity.

Protected Member Functions

void **onCreate** (Bundle savedInstanceState)

Detailed Description

Klasa wyświetlająca listę filmów w wraz z linkami z wybranego kina tj. **Pionier**

Definition at line 17 of file Pionier.java.

Member Function Documentation

void **com.example.myapplication.Pionier.onCreate** (Bundle savedInstanceState) [protected]

Zmienna typu String przechowująca listę z danymi filmami z kina **Pionier**

Wyznaczanie linków do jakich ma się odnieść po kliknięciu

Wyzaczanie liter stringa danego filmu które mają być klikane

Definition at line 20 of file Pionier.java.

The documentation for this class was generated from the following file:

app/src/main/java/com/example/myapplication/**Pionier.java**

com.example.myapplication.directionhelpers.PointsParser Class Reference

Inherits AsyncTask< String, Integer, List< List< HashMap< String, String > > >.

Public Member Functions

PointsParser (Context mContext, String *directionMode*)

Protected Member Functions

List< List< HashMap< String, String > > > **doInBackground** (String... jsonData)
void **onPostExecute** (List< List< HashMap< String, String >>> result)

Package Attributes

TaskLoadedCallback taskCallback
String *directionMode* = "driving"

Detailed Description

Created by Vishal on 10/20/2018.

Definition at line 21 of file PointsParser.java.

Constructor & Destructor Documentation

com.example.myapplication.directionhelpers.PointsParser.PointsParser (Context *mContext*, String *directionMode*)

Definition at line 25 of file PointsParser.java.

Member Function Documentation

List<List<HashMap<String, String> > >
com.example.myapplication.directionhelpers.PointsParser.doInBackground (String... *jsonData*) [protected]

Definition at line 32 of file PointsParser.java.

void com.example.myapplication.directionhelpers.PointsParser.onPostExecute (List< List< HashMap< String, String >>> *result*) [protected]

Definition at line 57 of file PointsParser.java.

Member Data Documentation

String `com.example.myapplication.directionhelpers.PointsParser.directionMode` =
"driving" [package]

Definition at line 23 of file PointsParser.java.

TaskLoadedCallback

`com.example.myapplication.directionhelpers.PointsParser.taskCallback` [package]

Definition at line 22 of file PointsParser.java.

The documentation for this class was generated from the following file:

app/src/main/java/com/example/myapplication/directionhelpers/**PointsParser.java**

com.example.myapplication.directionhelpers.TaskLoadedCallback Interface Reference

Inherited by **com.example.myapplication.MainActivity**.

Public Member Functions

void **onTaskDone** (Object... values)

Detailed Description

Created by Vishal on 10/20/2018.

Definition at line 7 of file TaskLoadedCallback.java.

Member Function Documentation

void com.example.myapplication.directionhelpers.TaskLoadedCallback.onTaskDone (Object... values)

Implemented in **com.example.myapplication.MainActivity** (p.28).

The documentation for this interface was generated from the following file:

app/src/main/java/com/example/myapplication/directionhelpers/TaskLoadedCallback.java

File Documentation

https://github.com/Milosz36073/Android_Project.git

app/src/androidTest/java/com/example/myapplication/ExampleInstrumentedTest.java File Reference

Classes

class `com.example.myapplication.ExampleInstrumentedTest`

Packages

package `com.example.myapplication`

app/src/main/java/com/example/myapplication/directionhelpers/DataParser.java File Reference

Classes

class `com.example.myapplication.directionhelpers.DataParser`

Packages

package `com.example.myapplication.directionhelpers`

app/src/main/java/com/example/myapplication/directionhelpers/FetchURL.java File Reference

Classes

class `com.example.myapplication.directionhelpers.FetchURL`

Packages

package `com.example.myapplication.directionhelpers`

app/src/main/java/com/example/myapplication/directionhelpers/PointsParser.java File Reference

Classes

class `com.example.myapplication.directionhelpers.PointsParser`

Packages

package `com.example.myapplication.directionhelpers`

app/src/main/java/com/example/myapplication/directionhelpers/TaskLoadedCallback.java File Reference

Classes

interface `com.example.myapplication.directionhelpers.TaskLoadedCallback`

Packages

package `com.example.myapplication.directionhelpers`

app/src/main/java/com/example/myapplication/FilmListActivity.java File Reference

Classes

class `com.example.myapplication.FilmListActivity`

Packages

package `com.example.myapplication`

app/src/main/java/com/example/myapplication/Helios.java File Reference

Classes

class `com.example.myapplication.Helios`

Packages

package `com.example.myapplication`

app/src/main/java/com/example/myapplication/MapsActivity.java File Reference

Classes

class `com.example.myapplication.MapsActivity`

Packages

package `com.example.myapplication`

app/src/main/java/com/example/myapplication/Multikino.java

File Reference

Classes

class `com.example.myapplication.Multikino`

Packages

package `com.example.myapplication`

app/src/main/java/com/example/myapplication/Pionier.java

File Reference

Classes

class `com.example.myapplication.Pionier`

Packages

package `com.example.myapplication`

app/src/test/java/com/example/myapplication/ExampleUnitTes t.java File Reference

Classes

`class com.example.myapplication.ExampleUnitTest`

Packages

`package com.example.myapplication`

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