

# **Movies & Cinemas**

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Version 4  
6/27/2019 12:06:00 AM



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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>

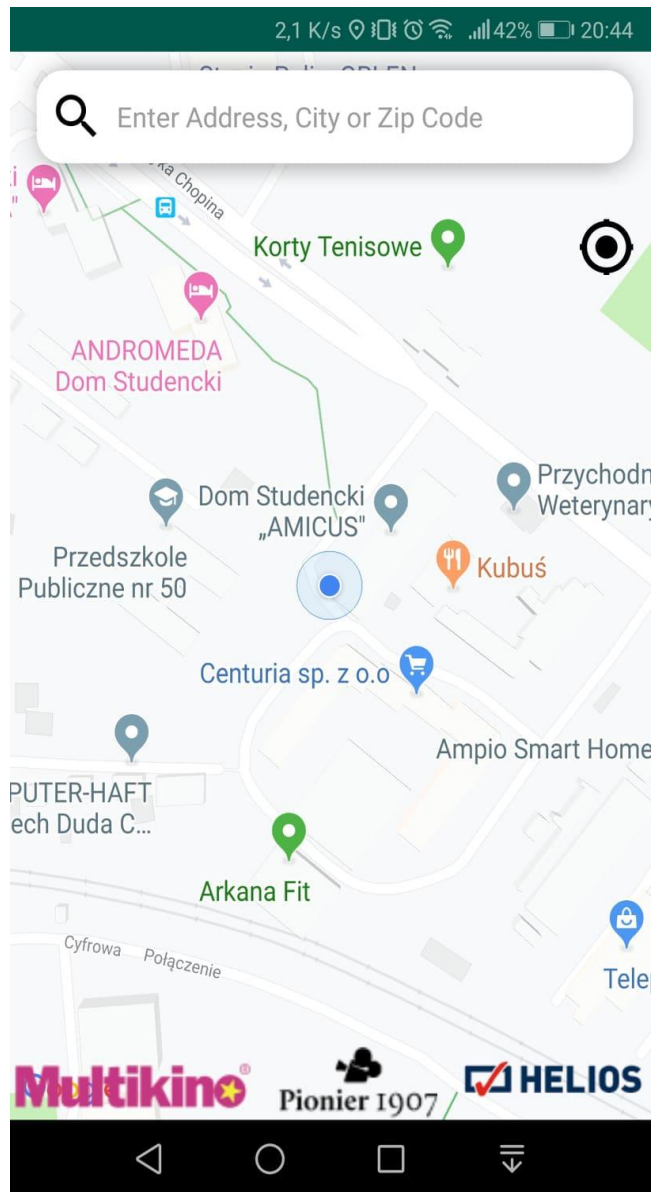
Android Studio - <https://developer.android.com/studio/>

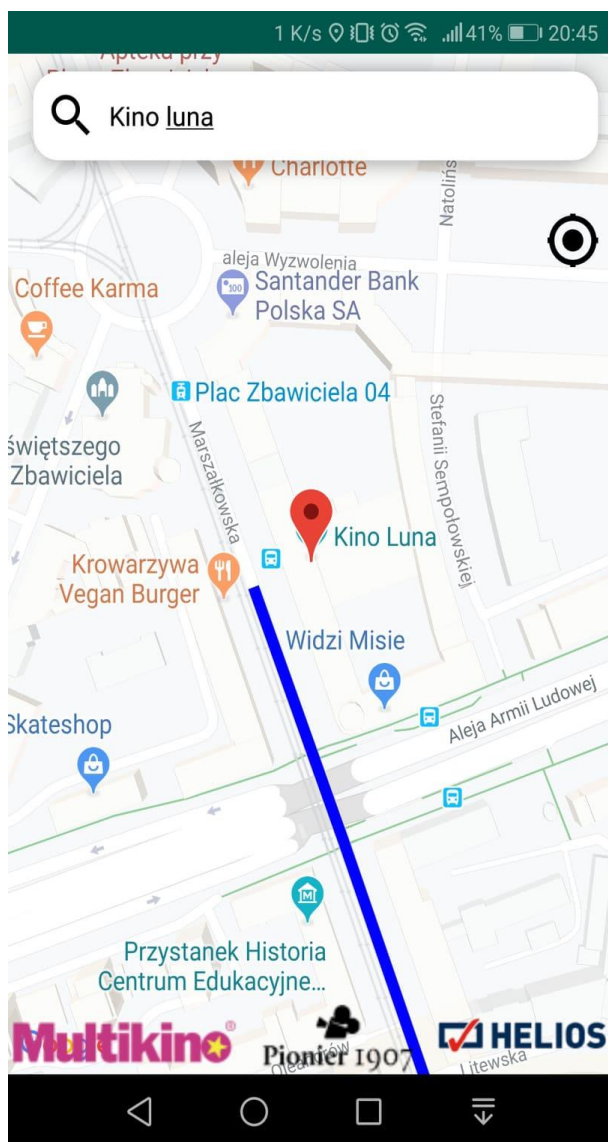
Jsoup - <https://jsoup.org/>

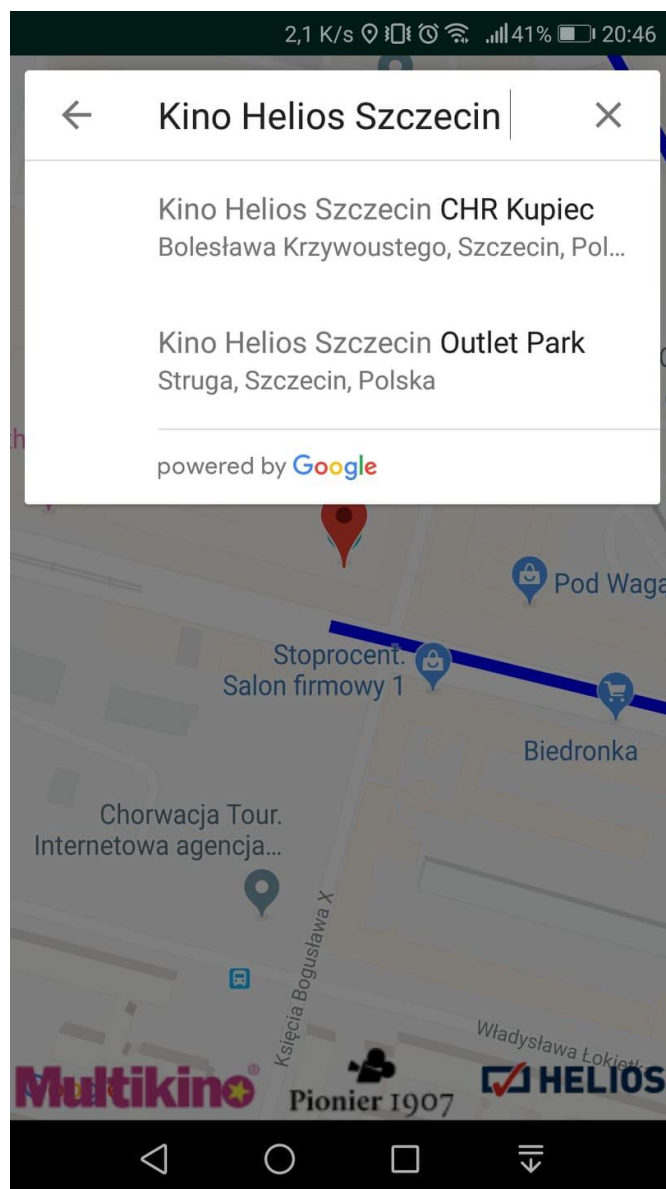
## Link do githuba:

[https://github.com/Milosz36073/Android\\_Project](https://github.com/Milosz36073/Android_Project)

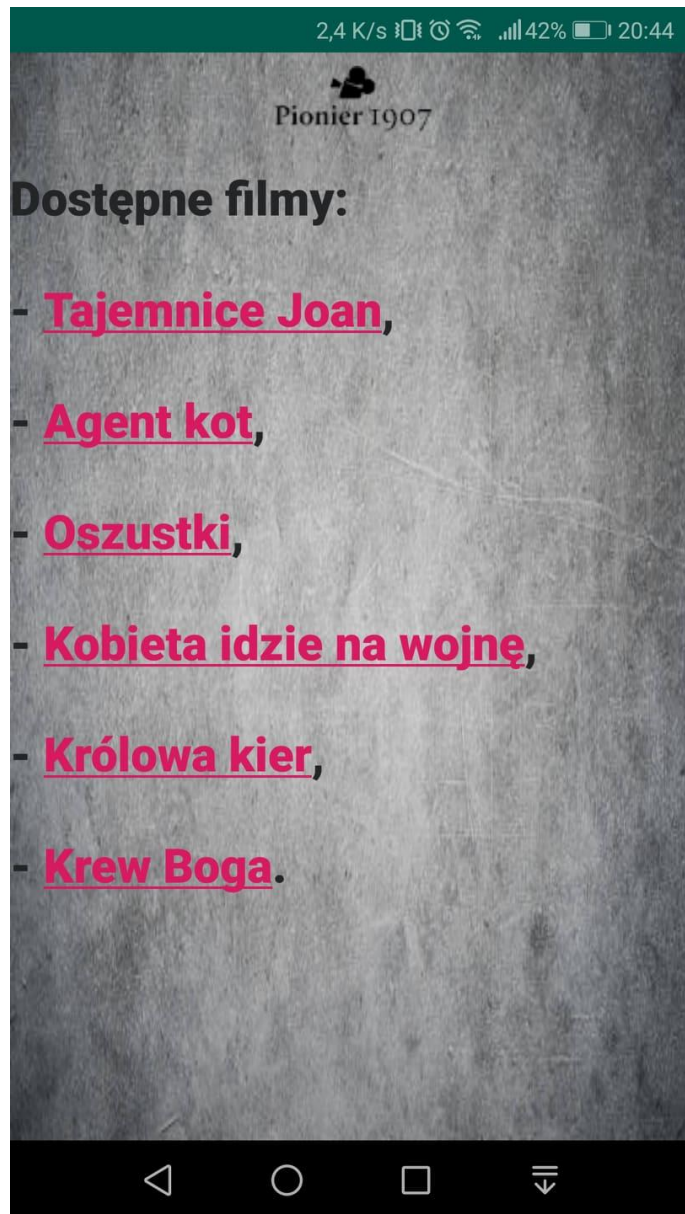
## Screeny z gotowej aplikacji











**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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- com.example.myapplication** ..... 15
- com.example.myapplication.directionhelpers** ..... 16

# Hierarchical Index

## Class Hierarchy

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

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### OnMapReadyCallback

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# Class Index

## Class List

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

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<b>com.example.myapplication.ExampleUnitTest</b>	19
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<b>com.example.myapplication.FilmListActivity</b>	22
<b>com.example.myapplication.Helios</b>	24
<b>com.example.myapplication.MapsActivity</b>	25
<b>com.example.myapplication.Multikino</b>	32
<b>com.example.myapplication.Pionier</b>	33
<b>com.example.myapplication.directionhelpers.PointsParser</b>	34
<b>com.example.myapplication.directionhelpers.TaskLoadedCallback</b>	36

# File Index

## File List

Here is a list of all files with brief descriptions:

<b>app/src/androidTest/java/com/example/myapplication/ExampleInstrumentedTest.java</b>	<b>... 38</b>
<b>app/src/main/java/com/example/myapplication/FilmListActivity.java</b>	<b>..... 43</b>
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<b>app/src/main/java/com/example/myapplication/Pionier.java</b>	<b>..... 47</b>
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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 jsonObject)`

### 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 jsonObject)**

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

Wyznaczanie 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.MainActivity.geoLocate () [private]**

Metoda służąca do odnajdywania i pobierania danych z punktu.

Definition at line 161 of file MapsActivity.java.

### **void com.example.myapplication.MainActivity.getLocation () [private]**

Metoda służąca do pobrania lokalizacji urządzenia.

Definition at line 329 of file MapsActivity.java.

### **void com.example.myapplication.MainActivity.getLocationPermission () [private]**

Metoda służąca do zapytania urządzenia o dostęp do lokalizacji.

Definition at line 364 of file MapsActivity.java.

### **String com.example.myapplication.MainActivity.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.MainActivity.hideKeyboard () [private]**

Metoda służąca chowaniu się klawiatury po wyszukaniu danego elementu.

Definition at line 415 of file MapsActivity.java.

### **void com.example.myapplication.MainActivity.init () [private]**

Metoda inicjalizująca

Definition at line 111 of file MapsActivity.java.

### **void com.example.myapplication.MainActivity.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

Wyznaczanie 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](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/ExampleUnitTest.java File Reference**

### **Classes**

- class `com.example.myapplication.ExampleUnitTest`

### **Packages**

- package `com.example.myapplication`

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