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 wyznacząć do nich trasę. Aplikacja automatycznie pobiera dane lokalizacyjne telefonu i wyznacza trase 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 podpowiedźami w wyszukiwaniu w GoogleMaps

Wykorzystane technologie:

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

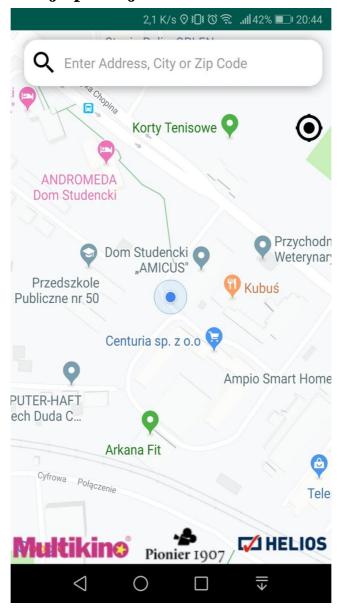
GoogleRouts - https://cloud.google.com/maps-platform/routes/

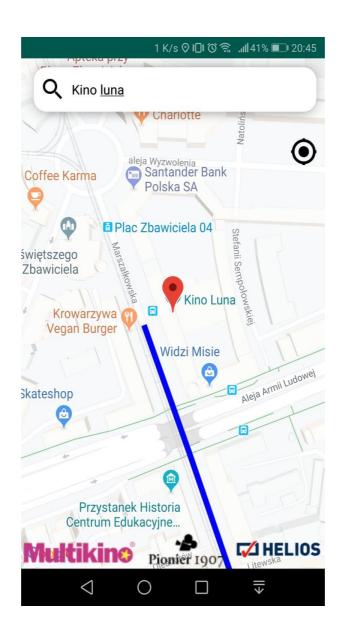
Google Places Api - https://developers.google.com/places/web-service/intro

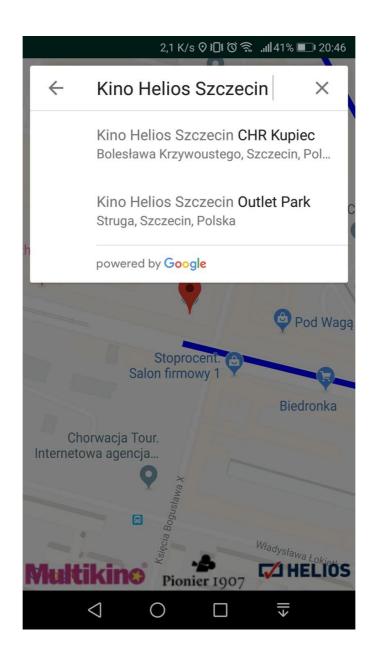
Android Studio - https://developer.android.com/studio/

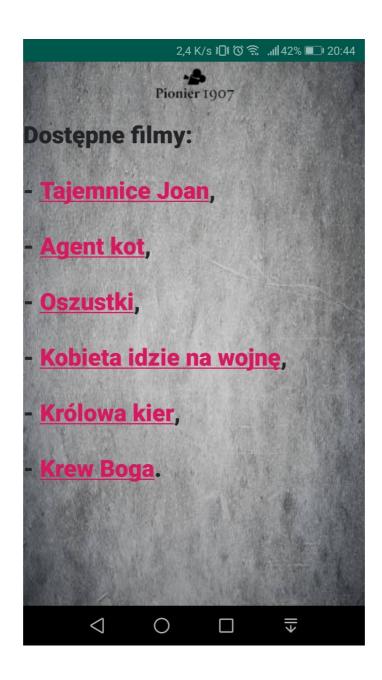
Jsoup - https://jsoup.org/

Screeny z gotowej aplikacji













Namespace Index

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Class Hierarchy

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Class List

File Index

File List

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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:

 $\bullet \quad app/src/androidTest/java/com/example/myapplication/ \textbf{ExampleInstrumentedTest.java}$

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.dolnBackground (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]

Member Data Documentation

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

Definition at line 21 of file FetchURL.java.

 ${\bf Context\ com. example. myapplication. direction helpers. Fetch URL. mContext\ [{\tt package}]$

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 przechowywująca 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

$TextView\ com. example. myapplication. Film List Activity. result \ [\verb|private||]{}$

Zmienna typu TextView przechowywująca 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 sie 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.MapsActivity 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 lokalizacjię 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 wyzaczania 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 urzÄ...dzenia.

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 wyzaczania 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.MapsActivity.moveCamera (LatLng latLng, float zoom, String title)[private]

Metoda służąca do przesuwania kamery mapy do wyszukanego punktu.

Definition at line 285 of file MapsActivity.java.

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

Definition at line 94 of file MapsActivity.java.

void com.example.myapplication.MapsActivity.onMapReady (GoogleMap) googleMap)

Metoda sprawdzca włączoną lokalizację urządzenia.

Definition at line 264 of file MapsActivity.java.

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

Definition at line 389 of file MapsActivity.java.

void com.example.myapplication.MapsActivity.onTaskDone (Object... values)

Metoda służąca do dodawania znaczników na mapie.

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

Definition at line 355 of file MapsActivity.java.

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

Metoda wywołuje nowe activity z linkami z kina Helios.

Definition at line 142 of file MapsActivity.java.

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

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

Definition at line 136 of file MapsActivity.java.

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

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

Definition at line 148 of file MapsActivity.java.

void com.example.myapplication.MapsActivity.showMovies (HashSet movies)

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

Definition at line 154 of file MapsActivity.java.

Member Data Documentation

final String com.example.myapplication.MapsActivity.apiKey =
"AlzaSyDEwKJsjanggTqr CGk3a0jkY43NVdVHOQ"[static], [private]

Definition at line 68 of file MapsActivity.java.

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

Definition at line 71 of file MapsActivity.java.

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

Aktualna współrzędna urządzenia.

Definition at line 88 of file MapsActivity.java.

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

Obecny punkt ze współrzędnych urządzenia.

Definition at line 90 of file MapsActivity.java.

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

Definition at line 73 of file MapsActivity.java.

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

Definition at line 70 of file MapsActivity.java.

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

Ikona kina Helios.

Definition at line 81 of file MapsActivity.java.

final int

com.example.myapplication.MapsActivity.LOCATION_PERMISSION_REQUEST_CODE
= 1254[static], [private]

Definition at line 72 of file MapsActivity.java.

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

Definition at line 87 of file MapsActivity.java.

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

Okno nawigacji

Definition at line 77 of file MapsActivity.java.

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

Definition at line 86 of file MapsActivity.java.

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

Definition at line 63 of file MapsActivity.java.

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

Pole do wyszukiwania punktów na mapie.

Definition at line 76 of file MapsActivity.java.

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

Ikona kina Multikino.

Definition at line 80 of file MapsActivity.java.

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

Ikona kina Pionier.

Definition at line 82 of file MapsActivity.java.

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

Definition at line 67 of file MapsActivity.java.

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

Definition at line 89 of file MapsActivity.java.

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

Punkty do wyznaczania trasy pomiędzy nimi.

Definition at line 89 of file MapsActivity.java.

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

Definition at line 66 of file MapsActivity.java.

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

Definition at line 69 of file MapsActivity.java.

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

 $\bullet \quad app/src/main/java/com/example/myapplication/\pmb{MapsActivity.java}$

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 sie 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 sie 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.

$\label{thm:condense} TaskLoaded Callback \\ com. example. myapplication. direction helpers. Points Parser. task Callback \\ [package]$

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.TaskLoadedCall back Interface Reference

Inherited by com.example.myapplication.MapsActivity.

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.MapsActivity** (p.28).

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

 $\bullet \quad app/src/main/java/com/example/myapplication/directionhelpers/\textbf{TaskLoadedCallback.java}\\$

File Documentation

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

app/src/androidTest/java/com/example/myapplication/Exampl elnstrumentedTest.java File Reference

Classes

 $\bullet \quad class \ \textbf{com.example.myapplication.} \textbf{ExampleInstrumentedTest}$

Packages

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

Classes

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Packages

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

Classes

 $\bullet \quad {\it class} \ {\it com.example.myapplication.direction helpers.} Fetch URL$

Packages

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

Classes

 $\bullet \quad {\it class} \ {\it com. example. my application. direction helpers. Points Parser}$

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• interface com.example.myapplication.directionhelpers.TaskLoadedCallback

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• class com.example.myapplication.FilmListActivity

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

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• class com.example.myapplication.Helios

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• class com.example.myapplication.MapsActivity

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

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• class com.example.myapplication.Multikino

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

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• class com.example.myapplication.Pionier

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

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