

Walk@mib Maps

Graph database API

`https://walkamib.azurewebsites.net/api`

Paths

`/findPlacesNearby`

GET /findPlacesNearby

place

Description

By passing in the appropriate parameters, you can search for places near the user

Parameters

Name	Located in	Description	Required	Schema
reference_place_id	query	ID of the place that is most close to the user	Yes	\Rightarrow string (uuid)
max_distance	query	pass an optional maximum distance parameter to restrict the search area	No	\Rightarrow integer

Responses

Code	Description	Schema
200	places near the user	\Rightarrow ∇ [\blacktriangleright Place { }]
204	no search results matching criteria	
400	wrong or missing input parameter(s)	
405	only GET method is allowed	

Try this operation

/findNearestPlace

Description

By passing in the appropriate parameters, you can search for the nearest place to the user of a fixed type

Parameters

Name	Located in	Description	Required	Schema
reference_place_id	query	ID of the place that is most close to the user	Yes	\Rightarrow string (uuid)
label	query	type of place the user is interested in	Yes	\Rightarrow string

Responses

Code	Description	Schema
200	the closest place the user is interested in	\Rightarrow <pre>▼ Place { id: string label: integer name: string description: string position: ►Place_position { } ga: ►Place_ga { } }</pre>
204	no search results matching criteria	
400	wrong or missing input parameter(s)	
405	only GET method is allowe	

[Try this operation](#)

/place

GET /place

place

Description

Returns all information regarding a place

Parameters

Name	Located in	Description	Required	Schema
place_id	query	ID of the place selected	Yes	⇔ string (uuid)

Responses

Code	Description	Schema
200	the place selected	<div>⇔</div> <div>▼ Place { id: string label: integer name: string description: string position: ►Place_position { } ga: ►Place_ga { } }</div>
204	no search results matching criteria	
400	missing input parameter	
405	only GET method is allowed	

Try this operation

/findPath

POST /findPath

place

Description

By passing in the appropriate parameters, you can search for the path leading to the place the user is willing to reach

Parameters

Name	Located in	Description	Required	Schema
pathRequest	body		Yes	\Rightarrow <pre>▼QueryPath { reference_place_id: string * destination_place_id: string * optional_filters: ▶[] }</pre>

Responses

Code	Description	Schema
200	the path leading to the place the user wants to reach	\Rightarrow <pre>▼Path { distance: integer path: ▶[] edges: ▶[] }</pre>
204	no search results matching criteria	
400	wrong or missing input parameter(s)	
405	only POST method is allowed	

Try this operation

Models

QueryPath

```
▼QueryPath {  
  reference_place_id:  string *  
⇒  destination_place_id: string *  
  optional_filters:    ► []  
}
```

Place

```
▼Place {  
  id:          string  
  label:       integer  
⇒  name:       string  
  description: string  
  position:    ►Place_position { }  
  ga:         ►Place_ga { }  
}
```

Edge

```
▼Edge {  
  id:    string  
⇒  label: integer  
  length: integer  
  ga:    ►Edge_ga { }  
}
```

Path

```
▼Path {  
  distance: integer
```

```
⇒ path:      ► []
   edges:    ► []
}
```

QueryPath_optional_filters

```
▼QueryPath_optional_filters {
  availability: boolean
⇒ accessibility: boolean
  indoor:      boolean
}
```

Place_position

```
▼Place_position {
  lat: number
⇒ lon: number
  alt: number
}
```

Place_ga

```
▼Place_ga {
  available: boolean
  accessible: boolean
⇒ indoor:    boolean
  building:  integer
  floor:     integer
}
```

Edge_ga

```
▼Edge_ga {
  available: boolean
  accessible: boolean
}
```

```
⇒ indoor:    boolean
   building: integer
   floor:    integer
}
```