

Kadıköy-Üsküdar Guide API is a web API listing information about events and places in the Kadıköy and Üsküdar regions and allows user to interact with them with reviews and favorites.

Endpoints:

1- Get list of Places

Description: Lists all places by **three parameters** “neighborhood”, “district” and “category”. None of them is mandatory and they can be combined. If no parameter received it returns all places. Id, name, description, category, latitude, longitude, neighborhood, district, text, images, sources and reviews are returned.

Address: <http://localhost:8080/places/filter>

Method: GET

Returns: JSON Array:

```
[
  {
    "placeId": "kadikoy-iskelesi",
    "name": "Kadıköy İskelesi",
    "description": "One of the main ferry docks in Istanbul, connecting the city's Asian side to the European side.",
    "category": "Transportation",
    "latitude": 40.9915,
    "longitude": 29.0205,
    "neighborhood": "Caferağa",
    "district": "Kadıköy",
    "text": "A central transportation hub with a rich history.",
    "images": "url_to_image_of_kadikoy_iskelesi",
    "sources": "url_to_source_about_kadikoy_iskelesi",
    "reviews": [
      {
        "reviewId": "6575524ad78b9f4afa8843cf",
        "placeId": "kadikoy-iskelesi",
        "nickname": "mehmet123",
        "rating": 4.5,
        "text": "Great place to visit!",
        "date": "2023-12-10T08:53:14.806"
      }
    ]
  },
]
```

```
{
  "placeId": "uskudar-iskelesi",
  "name": "Üsküdar İskelesi",
  "description": "A historic ferry dock on the Asian side of Istanbul, offering scenic views of the Bosphorus.",
  "category": "Transportation",
  "latitude": 41.0284,
  "longitude": 29.0138,
  "neighborhood": "Mimar Sinan",
  "district": "Üsküdar",
  "text": "A ferry station that's been in operation for centuries, linking various parts of the city.",
  "images": "url_to_image_of_uskudar_iskelesi",
  "sources": "url_to_source_about_uskudar_iskelesi",
  "reviews": []
}
```

2- Get list of Events

Description: Lists all events by **three parameters** “neighborhood”, “district” and “category”. None of them is mandatory and they can be combined. If no parameter received it returns all events. Id, name, description, category, latitude, longitude, neighborhood, date and details are returned.

Address: <http://localhost:8080/events/filter>

Method: GET

Returns: JSON Object:

```
[
  {
    "eventId": "gunes_kadikoy_festivalpark_konseri_2023",
    "name": "Güneş Kadıköy Festivalpark Konseri 2023",
    "description": "A music concert by artist Güneş at Kadıköy Meydanı.",
    "date": "2023-07-16",
    "time": "Not Specified",
    "latitude": 40.9801,
    "longitude": 29.0344,
    "category": "Music",
    "neighborhood": "Caferağa",
    "district": "Kadıköy",
    "details": "For more details, visit [Songkick] (https://www.songkick.com/festivals/3561084-gunes-kadikoy-festivalpark-konseri/id/41174259-gne-kadky-festivalpark-konseri-2023)"
  },

```

```

{
  "eventId": "live_from_kadikoy_fest_2023",
  "name": "Live From Kadıköy Fest 2023",
  "description": "A music festival featuring a diverse lineup including Teoman,
Gripin, and Selin.",
  "date": "2023-06-09",
  "time": "Not Specified",
  "latitude": 40.991,
  "longitude": 29.027,
  "category": "Music",
  "neighborhood": "Acıbadem",
  "district": "Kadıköy",
  "details": "Some details and URL"
}
]

```

3- Get list of Users

Description: Lists all users in the database. E-mail, name, nickname and favorite places are returned.

Address: <http://localhost:8080/users>

Method: Get

Returns: JSON Array:

```

[
  {
    "email": "bthn@gmail.com",
    "name": "Batuhan Zencir",
    "nickname": "bthn",
    "favoritePlaceIds": [
      "kadikoy-iskelesi"
    ]
  },
  {
    "email": "mhmt@gmail.com",
    "name": "Mehmet Sayın",
    "nickname": "mehmet123",
    "favoritePlaceIds": []
  }
]

```

4- Get list of Favorite Places

Description: Lists all favorite places for a specific user. It takes user nickname as a PathVariable and returns a JSON Array which only includes FavoritePlaceId. If user not found, it prompts "User not found".

Address: <http://localhost:8080/{nickname}/favorites>

Method: Get

Returns: JSON Array:

```
[  
  "kadikoy-iskelesi"  
]
```

4- Get list of Reviews

Description: Lists all reviews for a specific place. It takes placeId as a PathVariable and returns a JSON Array including review information. ReviewId, placeId, nickname, rating, text and date are returned. If no review found, it prompts "No review found".

Address: <http://localhost:8080/{placeId}/reviews>

Method: Get

Returns: JSON Array:

```
[  
  {  
    "reviewId": "6575524ad78b9f4afa8843cf",  
    "placeId": "kadikoy-iskelesi",  
    "nickname": "mehmet123",  
    "rating": 4.5,  
    "text": "Great place to visit!",  
    "date": "2023-12-10T08:53:14.806"  
  }  
]
```

5- Save New User

Description: Saves a new user by its email, name and nickname. it checks for unique email and nickname and does not allow for duplication.

Address: <http://localhost:8080/register>

Method: POST

Accepts: application/JSON:

Input:

```
{  
  "name": "Aslı Deniz",  
  "email": "asli@gmail.com",  
  "nickname": "pumpkin"  
}
```

Action:

```
{
  "email": "asli@gmail.com",
  "name": "Asli Deniz",
  "nickname": "yellowhorse",
  "favoritePlaceIds": []
}
```

6- Save New Review

Description: Saves a new review by its rating, text, placeId, reviewId, date and nickname. It takes placeId as PathVariable. User are responsible to input rating and text only. it checks have user already reviewed the place. Does not allow multiple reviews.

Address: [//localhost:8080 /{placeId}/reviews](http://localhost:8080/{placeId}/reviews)

Method: POST

Accepts: application/JSON:

Input:

```
{
  "rating": 4.5,
  "text": "Great place to visit!",
  "nickname": "mehmet123"
}
```

Action:

```
{
  "reviewId": "6575524ad78b9f4afa8843cf",
  "placeId": "kadikoy-iskelesi",
  "nickname": "mehmet123",
  "rating": 4.5,
  "text": "Great place to visit!",
  "date": "2023-12-10T08:53:14.8062906"
}
```

7- Save New Favorites

Description: Saves a new favorite place for user. It takes nickname as PathVariable and placeId as parameter. it checks have user already marked the place as favorite. If it has been already marked, removes the mark. If not, marks as favorite. (It toggles basically, please check the video.)

Address: [//localhost:8080/{nickname}/favorites](http://localhost:8080/{nickname}/favorites)

Method: POST

Accepts: Key-Value

Input :

Key = placeId, Value = kadikoy-iskelesi

Action:

Marks or unmarks the place as favorite.

8- Save New Place

Description: Saves a new place by its Id, name, description, category, latitude, longitude, neighborhood, district, text, images, sources and reviews. It takes place object as requestbody.

Address: [//localhost:8080/places/save](http://localhost:8080/places/save)

Method: POST

Accepts: application/JSON:

Input :

```
{
  "placeId": "uskudar-sahili",
  "name": "Üsküdar Sahili",
  "description": "The Üsküdar coastline offering a beautiful promenade with views of the Bosphorus and the city skyline.",
  "category": "Public Space",
  "latitude": 41.0275,
  "longitude": 29.0132,
  "neighborhood": "Üsküdar",
  "district": "Üsküdar",
  "text": "This vibrant waterfront area is popular for walks, photography, and enjoying the sea views.",
  "images": "url_to_image_of_uskudar_sahili",
  "sources": "url_to_source_about_uskudar_sahili"
}
```

Action:

```
"placeId": "uskudar-sahili",
  "name": "Üsküdar Sahili",
  "description": "The Üsküdar coastline offering a beautiful promenade with views of the Bosphorus and the city skyline.",
  "category": "Public Space",
  "latitude": 41.0275,
  "longitude": 29.0132,
  "neighborhood": "Üsküdar",
```

```
    "district": "Üsküdar",
    "text": "This vibrant waterfront area is popular for walks, photography, and enjoy  
ing the sea views.",
    "images": "url_to_image_of_uskudar_sahili",
    "sources": "url_to_source_about_uskudar_sahili",
    "reviews": []
}
```

9- Save New Event

Description: Saves a new place by its . Id, name, description, category, latitude, longitude, neighborhood, date and details. It takes event object as requestbody.

Address: [//localhost:8080/events/save](http://localhost:8080/events/save)

Method: POST

Accepts: application/JSON:

Input:

```
{
  "eventId": "live_from_kadikoy_fest_2023",
  "name": "Live From Kadıköy Fest 2023",
  "description": "A music festival featuring a diverse lineup including Teoman, Gripin,  
and Selin.",
  "date": "2023-06-09",
  "time": "Not Specified",
  "latitude": 40.9910,
  "longitude": 29.0270,
  "category": "Music",
  "neighborhood": "Kadıköy",
  "details": "Some details and URL",
  "district": "Kadıköy"
}
```

Action:

```
{
  "eventId": "live_from_kadikoy_fest_2023",
  "name": "Live From Kadıköy Fest 2023",
  "description": "A music festival featuring a diverse lineup including Teoman, Grip  
in, and Selin.",
  "date": "2023-06-09",
  "time": "Not Specified",
  "latitude": 40.991,
  "longitude": 29.027,
  "category": "Music",
  "neighborhood": "Kadıköy",
  "district": "Kadıköy",
  "details": "Some details and URL"
}
```