

Integration technical document

Obtain open data through programming interfaces

Fields definition:

Filed Name	Type	Description
nid	string	index
title	string	Name of report
field_year_g	string	Date of report
created	string	report creation date
changed	string	report updated date
field_file	string	File URL
field_opendata_category	string	Category label

Invalid request shows Response with error as below:

```
{"statusDetails": {"code": 500, "message": "Internal Server Error"}}
```

How to retrieve data

Retrieve all result Use URL https://apiservices.balady.gov.sa/v1/momrah-services/open-data?items_per_page=All

Retrieve 10 rows per page use https://apiservices.balady.gov.sa/v1/momrah-services/open-data?items_per_page=10

Retrieve 25 rows per page use https://apiservices.balady.gov.sa/v1/momrah-services/open-data?items_per_page=25

Retrieve 50 rows per page use https://apiservices.balady.gov.sa/v1/momrah-services/open-data?items_per_page=50

Using pager

Use query parameter **Page=page number** as example to get page number 8 use URL request <https://apiservices.balady.gov.sa/v1/momrah-services/open-data?page=8>

Request Examples:

PHP – cURL:

```
<?php

$curl = curl_init();

curl_setopt_array($curl, array(
    CURLOPT_URL => 'https://apiservices.balady.gov.sa/v1/momrah-services/open-data',
    CURLOPT_RETURNTRANSFER => true,
    CURLOPT_ENCODING => '',
    CURLOPT_MAXREDIRS => 10,
    CURLOPT_TIMEOUT => 0,
    CURLOPT_FOLLOWLOCATION => true,
    CURLOPT_HTTP_VERSION => CURL_HTTP_VERSION_1_1,
    CURLOPT_CUSTOMREQUEST => 'GET',
));

$response = curl_exec($curl);

curl_close($curl);
echo $response;
```

PHP – Guzzle:

```
<?php

$client = new Client();
$request = new Request('GET', 'https://apiservices.balady.gov.sa/v1/momrah-
services/open-data');
$res = $client->sendAsync($request)->wait();
echo $res->getBody();
```

JavaScript – jQuery:

```
var settings = {
    "url": "https://apiservices.balady.gov.sa/v1/momrah-services/open-data",
    "method": "GET",
    "timeout": 0,
};

$.ajax(settings).done(function (response) {
```

```
    console.log(response);
});
```

C# - HttpClient:

```
var client = new HttpClient();
var request = new HttpRequestMessage( HttpMethod.Get, "https://apiservices.balady.gov.sa/v1/momrah-services/open-data" );
var response = await client.SendAsync( request );
response.EnsureSuccessStatusCode();
Console.WriteLine( await response.Content.ReadAsStringAsync() );
```

Python – Requests:

```
import requests

url = "https://apiservices.balady.gov.sa/v1/momrah-services/open-data"

payload={}
headers = {}

response = requests.request("GET", url, headers=headers, data=payload)

print(response.text)
```

Swift – URLSession

```
var request = URLRequest(url: URL(string: "https://apiservices.balady.gov.sa/v1/momrah-services/open-data")!, timeoutInterval: Double.infinity)
request.httpMethod = "GET"

let task = URLSession.shared.dataTask(with: request) { data, response, error in
    guard let data = data else {
        print(String(describing: error))
        return
    }
    print(String(data: data, encoding: .utf8)!)
}

task.resume()
```

Response Example:

```
{
  "statusDetails": {
    "code": 200,
    "message": "Ok"
  },
  "data": {
    "responseCode": "1",
    "responseMessage": "success",
    "result": {
      "rows": [
        {
          "nid": "6231",
          "title": "1439نشاطات التفتيش الصحي",
          "field_year_g": "2015",
          "created": "2020/01/02",
          "changed": "2021/10/26",
          "field_opendata_category": "التفتيش الصحي",
          "field_file": [
            "http://momrah.gov.sa/sites/default/files/2021-10/filename.xlsx",
            "http://momrah.gov.sa/sites/default/files/2021-10/filename.pdf",
            "http://momrah.gov.sa/sites/default/files/2021-10/filename.csv"
          ],
          .....
        }
      ],
      "pager": {
        "current_page": 0,
        "total_items": "235",
        "total_pages": 24,
        "items_per_page": 10
      }
    }
  }
}
```