1. **Country API**
2. **GET**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **GET** | api/country | | |
| Type | Params | Values | Description |
| HEADER | **Email** | string | Email which is used for accessing server api. |
| HEADER | **Password** | string | Password of email |
| HEADER | **Accept-Language** | string  (**en-US**) | Language which message sent from server will be formatted.   * Default : **en-US** |
| URL | **Id** | int | Id of country   * **Required** |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Country": {  "Id": 0,  "Name": ""  }  } |
| **401**  No email or password contained in request header. Front-end should redirect user to login page. | {  "Error": "W012"  } |
| **401**  Account has been disabled. | {  "Error": "W002"  } |
| **401**  Account is pending. | {  "Error": "W001"  } |
| **403**  Account is not allowed to access the function. | {  "Error": "W013"  } |
| **404**  Country with the given id cannot be found. | {  "Error": "W006"  } |

1. **Filter**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/country/filter | | |
| Type | Params | Values | Description |
| HEADER | **Email** | string | Email which is used for accessing server api. |
| HEADER | **Password** | string | Password of email |
| HEADER | **Accept-Language** | string  (**en-US**) | Language which message sent from server will be formatted.   * Default : **en-US** |
| BODY | **Name** | string | Name of country   * **Optional** |
| BODY | **Direction** | int | Whether records should be sorted ascendingly or decendingly.   * **0** : Ascending (default) * **1** : Decending |
| BODY | **Page** | int | Index of result page.   * **Min**: 0 * **Default**: 0 |
| BODY | **Records** | int | Number of records a page   * **Min**: 1 * **Max**: 20 **(default)** |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Countries": [  {  "Id": 0,  "Name": ""  }  ],  "Total": 0  } |
| **401**  No email or password contained in request header. Front-end should redirect user to login page. | {  "Error": "W012"  } |
| **401**  Account has been disabled. | {  "Error": "W002"  } |
| **401**  Account is pending. | {  "Error": "W001"  } |
| **403**  Account is not allowed to access the function. | {  "Error": "W013"  } |

1. **City API**
2. **GET**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **GET** | api/city | | |
| Type | Params | Values | Description |
| HEADER | **Email** | string | Email which is used for accessing server api. |
| HEADER | **Password** | string | Password of email |
| HEADER | **Accept-Language** | string  (**en-US**) | Language which message sent from server will be formatted.   * Default : **en-US** |
| URL | **Id** | int | Id of city   * **Required** |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "City": {  "Id": 0,  "Name": "",  "Country": {  "Id": 0,  "Name": ""  }  }  } |
| **401**  No email or password contained in request header. Front-end should redirect user to login page. | {  "Error": "W012"  } |
| **401**  Account has been disabled. | {  "Error": "W002"  } |
| **401**  Account is pending. | {  "Error": "W001"  } |
| **403**  Account is not allowed to access the function. | {  "Error": "W013"  } |
| **404**  Country with the given id cannot be found. | {  "Error": "W006"  } |

1. **FILTER**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/city/filter | | |
| Type | Params | Values | Description |
| HEADER | **Email** | string | Email which is used for accessing server api. |
| HEADER | **Password** | string | Password of email |
| HEADER | **Accept-Language** | string  (**en-US**) | Language which message sent from server will be formatted.   * Default : **en-US** |
| BODY | **Name** | int | Name of city   * **Optional** |
| BODY | **CountryId** | int | Id of country   * **Optional** * **Min:** 1 |
| BODY | **CountryName** | string | Name of country   * **Optional** * **Max length:** 64 |
| BODY | **Sort** | int | What field should be used for sorting cities list.   * **0:** City ID * **1:** City name **(default)** * **2:** Country ID * **3:** Country Name |
| BODY | **Direction** | int | Whether records should be sorted ascendingly or decendingly.   * **0:** Ascendingly (**default)** * **1:** Decendingly |
| BODY | **Page** | int | Index of result page.   * **Required.** * **Min : 0 (default)** |
| BODY | **Records** | int | Number of records can be displayed on a page.   * **Required.** * **Min : 1** * **Max : 20 (default)** |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "Cities": [  {  "Id": 0,  "Name": "",  "Country": {  "Id": 0,  "Name": ""  }  }  ],  "Total": 0  } |
| **401**  No email or password contained in request header. Front-end should redirect user to login page. | {  "Error": "W012"  } |
| **401**  Account has been disabled. | {  "Error": "W002"  } |
| **401**  Account is pending. | {  "Error": "W001"  } |
| **403**  Account is not allowed to access the function. | {  "Error": "W013"  } |
| **404**  Country with the given id cannot be found. | {  "Error": "W006"  } |