1. **Categories API**
2. **Create**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/category | | |
| Type | Params | Values | Description |
| HEADER | **Authorization** | string | Token which is used for accessing into system. |
| BODY | **name** | string | Name of category.   * **Required.** |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "category":{  "id": "int",  "name": "string",  "created": "double"  }  } |
| **400**  Bad request | {  "messages":{  "name":[  "NAME\_IS\_REQUIRED",  "NAME\_MAXLENGTH\_EXCEEDED"  ]  }  } |
| **409**  Record is duplicated | {  message: "CATEGORY\_DUPLICATED"  } |

1. **Update**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **PUT** | api/category | | |
| Type | Params | Values | Description |
| HEADER | **Authorization** | string | Token which is used for accessing into system. |
| URL | **id** | int | Id of category.   * **Required.** |
| BODY | **name** | string | Name of category.   * **Required.** |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  "category":{  "id": "int",  "name": "string",  "created": "double",  "lastModified": "double?"  }  } |
| **400**  Bad request. | {  "messages":{  "name":[  "NAME\_IS\_REQUIRED",  "NAME\_MAXLENGTH\_EXCEEDED"  ]  }  } |
| **404**  No category is found in database. | {  "message": "CATEGORY\_NOT\_FOUND"  } |
| **409**  Category name is duplicated. | {  "message": "RECORD\_DUPLICATED"  } |

1. **Find**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **POST** | api/category/find | | |
| Type | Params | Values | Description |
| HEADER | **Authorization** | string | Token which is used for accessing into system. |
| BODY | **creator** | int? | Name of category   * Optional |
| BODY | **name[value]** | string | Name of category   * Optional |
| BODY | **name[comparision]** | int | Whether name should be filtered partially or fully.   * (Refer string comparision enumeration) |
| BODY | **created[from]** | double? | Time after which category was created.   * Optional |
| BODY | **created[to]** | double? | Time before which category had been created.   * Optional |
| BODY | **lastModified[from]** | double? | Time after which category was lastly modified.   * Optional |
| BODY | **lastModified[to]** | double? | Time before which category had been modified.   * Optional |
| BODY | **pagination[index]** | int | Index of result page.   * Optional |
| BODY | **pagination[records]** | int | Records per page.   * Optional |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** | {  categories:[  {  id: "int",  creator: "<Account>",  name: "string",  created: "double",  lastModified: "double?"  }  ],  total: "int" } |
| **400** | {  "messages":{  "pagination":{  "index": [  "PAGE\_INDEX\_INVALID"  ],  "records":[  "RECORDS\_INVALID"  ]  }  } } |

1. **Delete**
   * Request

|  |  |  |  |
| --- | --- | --- | --- |
| **Method** | **Url** | | |
| **DELETE** | api/category | | |
| Type | Params | Values | Description |
| HEADER | **Authorization** | string | Token which is used for accessing into system. |
| BODY | **creator** | int? | Name of category   * Optional |
| BODY | **name[value]** | string | Name of category   * Optional |
| BODY | **name[comparision]** | int | Whether name should be filtered partially or fully.   * (Refer string comparision enumeration) |
| BODY | **created[from]** | double? | Time after which category was created.   * Optional |
| BODY | **created[to]** | double? | Time before which category had been created.   * Optional |
| BODY | **lastModified[from]** | double? | Time after which category was lastly modified.   * Optional |
| BODY | **lastModified[to]** | double? | Time before which category had been modified.   * Optional |
| BODY | **pagination[index]** | int | Index of result page.   * Optional |
| BODY | **pagination[records]** | int | Records per page.   * Optional |

* + Response

|  |  |
| --- | --- |
| Status | Content |
| **200** |  |
| **404** | {  "message": "RECORD\_NOT\_FOUND" } |