| Title | URL | Method | Body | Response |
| --- | --- | --- | --- | --- |
| 1. Add New Category | http://localhost:8080/categories | POST | {  "id": 0,  "categoryName": "Grains",  "description": "Multiple Grains For your choice "  } | SC 201  {  "id": 1,  "categoryName": "Grains",  "description": "Multiple Grains For your choice "  } |
|  |  |  | {  "categoryName": "Veggies",  "description": "Farm Fresh Vegetables"  } | {  "id": 2  "categoryName": "Veggies",  "description": "Farm Fresh Vegetables"  } |
| 1. Get All Categories Using Pagination | http://localhost:8080/categories?pageNumber=1&pageSize=2&sortBy=description&sortDir=asc | GET |  | {  "content": [  {  "id": 2,  "categoryName": "Veggies",  "description": "Farm Fresh Vegetables"  },  {  "id": 1,  "categoryName": "Grains",  "description": "Multiple Grains For your choice "  }  ],  "pageNumber": 1,  "pageSize": 2,  "totalElements": 4,  "totalPages": 2,  "lastPage": true  } |
|  | http://localhost:8080/categories?pageNumber=0&pageSize=3&sortBy=categoryName&sortDir=desc |  |  | {  "content": [  {  "id": 2,  "categoryName": "Veggies",  "description": "Farm Fresh Vegetables"  },  {  "id": 4,  "categoryName": "Spices",  "description": "Absolute Kitchen Essentials !!"  },  {  "id": 1,  "categoryName": "Grains",  "description": "Multiple Grains For your choice "  }  ],  "pageNumber": 0,  "pageSize": 3,  "totalElements": 4,  "totalPages": 2,  "lastPage": false  } |
| 1. Update a Category | http://localhost:8080/categories/1 | PUT | {  "id": 1,  "categoryName": "Grains",  "description": "Healthy Staple food grains3"  } | {  "id": 1,  "categoryName": "Grains",  "description": "Healthy Staple food grains3"  } |
| 1. Get category details by id | http://localhost:8080/categories/2 | GET |  | {  "id": 2,  "categoryName": "Veggies",  "description": "Farm Fresh Vegetables"  } |
|  | http://localhost:8080/categories/20 | GET |  | {  "message": "Category not found with given id !!",  "success": false,  "status": "NOT\_FOUND"  } |
| 1. Add Product to a category | http://localhost:8080/categories/2/products | POST | {  "name": "Cabbage",  "price": 55,  "description": "Good cabbages!",  "inStock": true  } | {  "id": 1,  "name": "Cabbage",  "price": 55,  "description": "Good cabbages!",  "inStock": true,  "addedDate": "2023-03-01",  "productImagePath": null  } |
|  | http://localhost:8080/categories/29/products |  | {  "name": "Cabbage",  "price": 55,  "description": "Good cabbages!",  "inStock": true  } | {  "message": "Category not found !!",  "success": false,  "status": "NOT\_FOUND"  } |
| 1. Change category of the product |  | PUT |  |  |
| 1. Get products of a specific category | http://localhost:8080/categories/3/products?pageNumber=0&pageSize=10&sortBy=name&sortDir=asc | GET |  | {  "content": [  {  "id": 1,  "name": "Cabbage",  "price": 55,  "description": "Good cabbages!",  "inStock": true,  "addedDate": "2023-03-01",  "productImagePath": null  }  ],  "pageNumber": 0,  "pageSize": 10,  "totalElements": 1,  "totalPages": 1,  "lastPage": true  } |
| 1. Update Product details |  |  |  |  |