**Web API Document**

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| HTTP Method: GET | | |
| Path: api/v3/products | | |
| URI Parameters: None | | |
| Body Parameters: None | | |
| **Resource Description** | | |
| Name | Type | Additional Information |
| Id | Integer | Required |
| Name | String | Required |
| Category | String | Required |
| Price | Decimal Number | Range: inclusive between 0 and 100 |
| Response: Status 200 OK  [      {          "Id": 1,          "Name": "Tomato soup",          "Category": "Groceries",          "Price": 1.39      },      {          "Id": 2,          "Name": "Yo-yo",          "Category": "Toys",          "Price": 3.75      },      {          "Id": 3,          "Name": "Hammer",          "Category": "Hardware",          "Price": 16.99      }  ] | | |

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| --- | --- | --- | --- | --- |
| HTTP Method: GET | | | | |
| Path: api/v3/products/{id} | | | | |
| **URI Parameters** | | | | |
| Name | Type | | Additional Information | |
| Id | Integer | | Required | |
| Body Parameters: None | | | | |
| **Resource Description** | | | | |
| Name | | Type | | Additional Information |
| Id | | Integer | | Required |
| Name | | String | | Required |
| Category | | String | | Required |
| Price | | Decimal Number | | Range: inclusive between 0 and 100 |
| Response: Status 200 OK  {      "Id": 1,      "Name": "Tomato soup",      "Category": "Groceries",      "Price": 1.39  } | | | | |

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| --- | --- | --- | --- | --- |
| HTTP Method: GET | | | | |
| Path: api/v3/products?category={category} | | | | |
| **URI Parameters** | | | | |
| Name | Type | | Additional Information | |
| Category | String | | Required | |
| Body Parameters: None | | | | |
| **Resource Description** | | | | |
| Name | | Type | | Additional Information |
| Id | | Integer | | Required |
| Name | | String | | Required |
| Category | | String | | Required |
| Price | | Decimal Number | | Range: inclusive between 0 and 100 |
| Response: Status 200 OK  [      {          "Id": 2,          "Name": "Yo-yo",          "Category": "Toys",          "Price": 3.75      }  ] | | | | |

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| --- | --- | --- | --- | --- |
| HTTP Method: POST | | | | |
| Path: api/v3/products | | | | |
| URI Parameters: None | | | | |
| **Body Parameters** | | | | |
| Name | Type | | Additional Information | |
| Id | Integer | | Required | |
| Name | String | | Required | |
| Category | String | | Required | |
| Price | Decimal Number | | Range: inclusive between 0 and 100 | |
| **Resource Description** | | | | |
| Name | | Type | | Additional Information |
| 4 | | Integer | | Required |
| Toy Train | | String | | Required |
| Toys | | String | | Required |
| 21.99 | | Decimal Number | | Range: inclusive between 0 and 100 |
| Response: Status 201 Created  {      "Id": 4,      "Name": "Toy Train",      "Category": "Toys",      "Price": 21.99  } | | | | |

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| HTTP Method: PUT | | | | |
| Path: api/v3/products/{id} | | | | |
| **URI Parameters** | | | | |
| Name | Type | | Additional Information | |
| Id | Integer | | Required | |
| **Body Parameters** | | | | |
| Name | Type | | Additional Information | |
| Id | Integer | | Required | |
| Name | String | | Required | |
| Category | String | | Required | |
| Price | Decimal Number | | Range: inclusive between 0 and 100 | |
| **Resource Description** | | | | |
| Name | | Type | | Additional Information |
| 2 | | Integer | | Required |
| Tomato Soup | | String | | Required |
| Groceries | | String | | Required |
| 1.39 | | Decimal Number | | Range: inclusive between 0 and 100 |
| Response: Status 204 No Content | | | | |

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| --- | --- | --- |
| HTTP Method: DELETE | | |
| Path: api/v3/products/{id} | | |
| **URI Parameters** | | |
| Name | Type | Additional Information |
| Id | Integer | Required |
| Body Parameters: None | | |
| Resource Description: None | | |
| Response: Status 204 No Content | | |