**Sign Up**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Request** |  |  |  |  |
| HTTP Method | POST |  |  |  |
| Resource | /auth/signup |  |  |  |
| Parameters (optional) |  |  |  |  |
| Headers (optional) | |  | | --- | | {      "Content-Type": "application/json"  } | |  |  |  |
| Body | {  "username": "user123",  "password": "testuser"  } |  |  |  |
|  |  |  |  |  |
| **Response** |  |  |  |  |
| Status | Body | Encoding | Explanation | Example Response |
| 201 | {} | JSON | Created | |  | | --- | | {  "username": "user123",  "id": 1  } | |

**Login For Access Token**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Request** |  |  |  |  |
| HTTP Method | POST |  |  |  |
| Resource | /auth/token |  |  |  |
| Parameters (optional) |  |  |  |  |
| Headers (optional) | |  | | --- | | {      "Content-Type": "application/json"  } | |  |  |  |
| Body | {  "username": "user123",  "password": "testuser"  } |  |  |  |
|  |  |  |  |  |
| **Response** |  |  |  |  |
| Status | Body | Encoding | Explanation | Example Response |
| 200 | {} | JSON |  | |  | | --- | | {  "access\_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiJ1c2VyMTIzIiwiZXhwIjoxNzI0NTE5MzM2fQ.giwg3Ed3cxrh3AmhXLH1bxywc8Q8DLHRvTsW3Ehpx4k",  "token\_type": "bearer"  } | |

**Create new Item**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Request** |  |  |  |  |
| HTTP Method | POST |  |  |  |
| Resource | /item |  |  |  |
| Parameters (optional) |  |  |  |  |
| Headers (optional) | |  | | --- | | {      "Content-Type": "application/json"  } | |  |  |  |
| Body | {  "name": "new item",  "description": "Lorem Ipsum",  "category": "WEAPON",  "quantity": 100,  "price": 18.25  }  **CATEGORY is a choices field and only accepts the following values:**   * WEAPON * GADGET * CYBERNETIC |  |  |  |
|  |  |  |  |  |
| **Response** |  |  |  |  |
| Status | Body | Encoding | Explanation | Example Response |
| 201 | {} | JSON | Created | |  | | --- | | {  "id": 1,  "name": "new item",  "description": "Lorem Ipsum",  "category": "Weapon",  "quantity": 100,  "price": 18.25  } | |

**Update existed Item**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Request** |  |  |  |  |
| HTTP Method | PUT |  |  |  |
| Resource | /item/{item\_id} |  |  |  |
| Parameters (optional) | item\_id = Item’s id (for example item\_id= 1) |  |  |  |
| Headers (optional) | |  | | --- | | {      "Content-Type": "application/json"  } | |  |  |  |
| Body | {  "name": "updated item",  "description": "Lorem Ipsum",  "category": "GADGET",  "quantity": 100,  "price": 45  } |  |  |  |
|  |  |  |  |  |
| **Response** |  |  |  |  |
| Status | Body | Encoding | Explanation | Example Response |
| 200 | {} | JSON | Updated | |  | | --- | | {  "id": 1,  "name": "updated item",  "description": "Lorem Ipsum",  "category": "Gadget",  "quantity": 100,  "price": 45  } | |

**Retrieve all Items**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Request** |  |  |  |  |
| HTTP Method | GET |  |  |  |
| Resource | /items?page1&size=10 |  |  |  |
| Parameters (optional) | Page – number of page  Size - records per page |  |  |  |
| Headers (optional) | |  | | --- | |  | |  |  |  |
| Body |  |  |  |  |
|  |  |  |  |  |
| **Response** |  |  |  |  |
| Status | Body | Encoding | Explanation | Example Response |
| 200 | {} | JSON | Updated | |  | | --- | | {  "items": [  {  "id": 1,  "name": "updated item",  "description": "Lorem Ipsum",  "category": "Gadget",  "quantity": 100,  "price": 45  }  ],  "total": 1,  "page": 1,  "size": 50,  "pages": 1  } | |

**Retrieve a single Item**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Request** |  |  |  |  |
| HTTP Method | GET |  |  |  |
| Resource | /item/{item\_id} |  |  |  |
| Parameters (optional) | item\_id = Item’s id (for example item\_id= 1) |  |  |  |
| Headers (optional) | |  | | --- | |  | |  |  |  |
| Body |  |  |  |  |
|  |  |  |  |  |
| **Response** |  |  |  |  |
| Status | Body | Encoding | Explanation | Example Response |
| 200 | {} | JSON |  | |  | | --- | | {  "id": 1,  "name": "updated item",  "description": "Lorem Ipsum",  "category": "Gadget",  "quantity": 100,  "price": 45  } | |

**Delete Item**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Request** |  |  |  |  |
| HTTP Method | DELETE |  |  |  |
| Resource | /item/{item\_id} |  |  |  |
| Parameters (optional) | item\_id = Item’s id (for example item\_id= 1) |  |  |  |
| Headers (optional) | |  | | --- | |  | |  |  |  |
| Body |  |  |  |  |
|  |  |  |  |  |
| **Response** |  |  |  |  |
| Status | Body | Encoding | Explanation | Example Response |
| 200 | {} | JSON | Deleted | |  | | --- | | {  "id": 1,  "name": "updated item",  "description": "Lorem Ipsum",  "category": "Gadget",  "quantity": 100,  "price": 45  } | |