Inventory Management System User Manual

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# 1. User Management

## 1.1. Register User

|  |  |  |  |
| --- | --- | --- | --- |
| URL | /auth/register | Request Type | POST |
| Headers | | | |
| request\_headers = {  } | | | |
| Request | | | |
| request\_data = {  “username” :  “password” :  } | | | |
| Response | | | |
| Status Code 201 : Created  {  "message": "User created successfully",  "access\_token": “ ”  }  Status Code 400 : Bad Request  {  “error”:“ ”,  }  Status Code 500 : Server Error  {  “error”:“ ”,­  } | | | |

## 1.2 Login

|  |  |  |  |
| --- | --- | --- | --- |
| URL | /auth/login | Request Type | POST |
| Headers | | | |
| request\_headers = {  } | | | |
| Request | | | |
| request\_data = {  “username” :  “password” :  } | | | |
| Response | | | |
| Status Code 201 : Created  {  "message": "User created successfully",  "access\_token": “ ”  }  Status Code 401 : Bad Request  {  "error": "Invalid credentials"  }  Status Code 500 : Server Error  {  “error”:“ An internal Error occured”,­  } | | | |

## 1.3 Token Retrievel

|  |  |  |  |
| --- | --- | --- | --- |
| URL | /auth/token | Request Type | POST |
| Headers | | | |
| request\_headers = {  “Authorization” : Bearer + “refreshToken”  } | | | |
| Request | | | |
| request\_data = {  } | | | |
| Response | | | |
| Status Code 200 : Created  {  "refresh": "",  "access": “ ”  }  Status Code 401 : Bad Request  {  "error": "User not authenticated"  }  Status Code 500 : Server Error  {  “error”:“ An internal Error occured”,­  } | | | |

# Item Management

## 2.1 Create Item

|  |  |  |  |
| --- | --- | --- | --- |
| URL | /items/ | Request Type | POST |
| Headers | | | |
| request\_headers = {  “Authorization” : Bearer + “Token”  } | | | |
| Request | | | |
| request\_data = {  "name": "Item 9",  "description": "Item description here",  "category": "food",  "stock\_in\_time": "2024-10-16",  "expiry\_time": "2024-10-31"  } | | | |
| Response | | | |
| Status Code 201 : Created  {  "id": 10,  "name": "Item 9",  "description": "Item description here",  "category": "food",  "stock\_in\_time": "2024-10-17",  "expiry\_time": "2024-10-31"  }  Status Code 401 : Bad Request  {  "error": "Invalid credentials"  }  Status Code 500 : Server Error  {  “error”:“ An internal Error occured”,­  } | | | |

## 2.2 Item View

|  |  |  |  |
| --- | --- | --- | --- |
| URL | /items/<int:item\_id> | Request Type | GET |
| Headers | | | |
| request\_headers = {  “Authorization” : Bearer + “Token”  } | | | |
| Request | | | |
| request\_data = {  } | | | |
| Response | | | |
| Status Code 200 : Ok  {  "id": 10,  "name": "Item 9",  "description": "Item description here",  "category": "food",  "stock\_in\_time": "2024-10-17",  "expiry\_time": "2024-10-31"  }  Status Code 404 : Not Found  {  "error": "Items not Found"  }  Status Code 500 : Server Error  {  “error”:“ An unexpected error occurred.”,­  } | | | |

## 2.3 Item List All

|  |  |  |  |
| --- | --- | --- | --- |
| URL | /items/ | Request Type | GET |
| Headers | | | |
| request\_headers = {  “Authorization” : Bearer + “Token”  } | | | |
| Request | | | |
| request\_data = {  } | | | |
| Response | | | |
| Status Code 200 : Ok  {  "id": 10,  "name": "Item 9",  "description": "Item description here",  "category": "food",  "stock\_in\_time": "2024-10-17",  "expiry\_time": "2024-10-31"  }  List of all items  Status Code 400 : Bad Request  {  "error": "Invalid credentials"  }  Status Code 500 : Server Error  {  “error”:“ An unexpected error occurred.”,­  } | | | |

## 2.4 Item Update

|  |  |  |  |
| --- | --- | --- | --- |
| URL | /items/<int:item\_id> | Request Type | PUT |
| Headers | | | |
| request\_headers = {  “Authorization” : Bearer + “Token”  } | | | |
| Request | | | |
| request\_data = {  "name": "Item 9",  "description": "Item Updated description here",  "category": "food",  "stock\_in\_time": "2024-10-16",  "expiry\_time": "2024-10-31"  } | | | |
| Response | | | |
| Status Code 200 : Ok  {  "id": 10,  "name": "Item 9",  "description": "Item description here",  "category": "food",  "stock\_in\_time": "2024-10-17",  "expiry\_time": "2024-10-31"  }  Status Code 404 : Not Found  {  "error": "Item Not Found"  }  Status Code 500 : Server Error  {  “error”:“ An unexpected error occured”,­  } | | | |

## 2.5 Item Delete

|  |  |  |  |
| --- | --- | --- | --- |
| URL | /items/<int:item\_id> | Request Type | DELETE |
| Headers | | | |
| request\_headers = {  “Authorization” : Bearer + “Token”  } | | | |
| Request | | | |
| request\_data = {  } | | | |
| Response | | | |
| Status Code 204 : No Content  {  "id": 10,  "name": "Item 9",  "description": "Item description here",  "category": "food",  "stock\_in\_time": "2024-10-17",  "expiry\_time": "2024-10-31"  }  Status Code 404 : Not Found  {  "error": "Item Not Found"  }  Status Code 500 : Server Error  {  “error”:“ An internal Error occured”,­  } | | | |