

In-Stock API Doc

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1. Get all warehouses

Request

Method	URL
GET	/warehouses?sort=name&order=desc

Type	Params	Values
QUERY	sort	String (optional) Acceptable values: name, address, city contact.name, contact.position...
QUERY	order	String (optional) Acceptable values: desc- sort in descending order asc - sort in ascending order

Response

Status	Response
200	<p>Response will be an array containing a list of warehouses.</p> <pre>{ "data": [{ "id": "2922c286-16cd-4d43-ab98-c79f698aeab0", "name": "Manhattan", "address": "503 Broadway", "city": "New York", "country": "USA", "contact": { "name": "Parmin Aujla", "position": "Warehouse Manager", "phone": "+1 (646) 123-1234", "email": "paujla@instock.com" } }, {...}, {...}, {...}] }</pre>

2. Get a warehouse

Request

Method	URL
GET	/warehouses/<id>

Type	Params	Values
URL_PARAM	<id>	String (required) - warehouse ID

Response

Status	Response
200	<p>Response will be an object containing data about the target warehouse.</p> <pre>{ "data": { "id": "bfc9bea7-66f1-44e9-879b-4d363a888eb4", "name": "San Fran", "address": "890 Brannnan Street", "city": "San Francisco", "country": "USA", "contact": { "name": "Gary Wong", "position": "Warehouse Manager", "phone": "+1 (646) 123-1234", "email": "gwong@instock.com" } } }</pre>
404	<pre>{"errorMessage": "Can't find the warehouse associated with this id."}</pre>

3. Create a warehouse

Request

Method	URL
POST	/warehouses

Type	Keys	Values
BODY	name	String (required)
BODY	address	String (required)
BODY	city	String (required)
BODY	country	String (required)
BODY	contact	Object (required) Acceptable value: follow the structure in the response, excluding the id

Response

Status	Response
201	<p>An array containing original warehouses and the newly added warehouse, and a success message.</p> <pre>{ "data": [{ "id": "2922c286-16cd-4d43-ab98-c79f698aeab0", "name": "Manhattan", "address": "503 Broadway", "city": "New York", "country": "USA", "contact": { "name": "Parmin Aujla", "position": "Warehouse Manager", "phone": "+1 (646) 123-1234", "email": "paujla@instock.com" } }], }</pre>

	<pre> { //new warehouse data// },], "message": "New warehouse has been added." } </pre>
400	<pre> {"errorMessage": "Please provide valid input: <missing fields>."} </pre>

4. Update a warehouse

Request

Method	URL
PUT	/warehouses/<id>

Type	Params	Values
URL_PARAM	<id>	String (required) - warehouse ID
Body	name	String (required)
Body	address	String (required)
Body	city	String (required)
Body	country	String (required)
Body	contact	Object (required) Acceptable value: follow the structure in the response, excluding the id.

Response

Status	Response
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200	<p>An array containing the original array and updated warehouse obj</p> <pre>{ "data": [{ "id": "2922c286-16cd-4d43-ab98-c79f698aeab0", "name": "Manhattan Edited", "address": "503 Broadway Edited", "city": "New York Edited", "country": "USA Edited", "contact": { "name": "Parmin Aujla", "position": "Warehouse Manager", "phone": "+1 (646) 123-1234", "email": "paujla@instock.com" } }, {...},], "Message": "Warehouse has been edited" }</pre>
400	<pre>{"errorMessage": "Please provide valid input: <missing fields> "}</pre>
404	<pre>{"errorMessage": "Can't find the warehouse associated with this id."}</pre>

5. Delete a warehouse

Request

Method	URL
Delete	/warehouses/<id>

Type	Params	Values
URL_PARAMS	<id>	String (required) - warehouse ID

Response

Status	Response
200	<p>An array containing the original array that removed the target warehouse</p> <pre>{ "data": [{ "id": "2922c286-16cd-4d43-ab98-c79f698aeab0", "name": "Manhattan", "address": "503 Broadway", "city": "New York", "country": "USA", "contact": { "name": "Parmin Aujla", "position": "Warehouse Manager", "phone": "+1 (646) 123-1234", "email": "paujla@instock.com" } }, {...}, {...}], "message": "Warehouse has been deleted" }</pre>
404	<pre>{"errorMessage": "Can't find the warehouse associated with this id."}</pre>

6. Get all inventory items

Request

Method	URL
GET	/inventories?warehouseID=123&sort=quantity&order=asc

Type	Params	Values
Query	<warehouseID>	String (optional) <ul style="list-style-type: none">- return a list of inventory item belongs to that warehouse)
Query	sort	String (optional) <ul style="list-style-type: none">- Acceptable values:- itemName, warehouseName, description, category, status, quantity...
Query	order	String (optional) <ul style="list-style-type: none">- Acceptable values:- desc - sort in descending order- asc - sort in ascending order

Response

Status	Response
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200

Response will be an array containing a list of inventory items

```
"data": [  
  {  
    "id": "9b4f79ea-0e6c-4e59-8e05-afd933d0b3d3",  
    "warehouseID":  
    "2922c286-16cd-4d43-ab98-c79f698aeab0",  
    "warehouseName": "Manhattan",  
    "itemName": "Television",  
    "description": "This 50\"", 4K LED TV provides a  
crystal-clear picture and vivid colors.",  
    "category": "Electronics",  
    "status": "In Stock",  
    "quantity": 500  
  },  
  {...},  
]
```

7. Get an inventory item

Request

Method	URL
GET	/inventories/<id>

Type	Params	Values
URL_PARAM	<id>	String (required) - inventory ID

Response

Status	Response
200	<p>Response will be an object containing data about the target inventory item..</p> <pre>{ "data": { "id": "bfc9bea7-66f1-44e9-879b-4d363a888eb4", "name": "San Fran", "address": "890 Brannnan Street", "city": "San Francisco", "country": "USA", "contact": { "name": "Gary Wong", "position": "Warehouse Manager", "phone": "+1 (646) 123-1234", "email": "gwong@instock.com" } } }</pre>
404	<pre>{"errorMessage": "Can't find the warehouse associated with this id."}</pre>

8. Create an inventory item

Request

Method	URL
POST	/inventories

Type	Params	Values
Body	warehouseID	String (required)
Body	warehouseName	String (required)
Body	itemName	String (required)
Body	description	String (required)
Body	quantity	String (required)
Body	category	String (required)

Response

Status	Response
201	<p>An array containing original inventories and the newly added inventory item, and a success message.</p> <pre>{ "data": [{ "id": "9b4f79ea-0e6c-4e59-8e05-afd933d0b3d3", "warehouseID": "2922c286-16cd-4d43-ab98-c79f698aeab0", "warehouseName": "Manhattan", ... }, { // new inventory item // },], message: 'New inventory item has been added!', }</pre>
400	<pre>{"errorMessage": "Please provide valid input: <missing fields> "}</pre>
404	<pre>{"errorMessage": "Can't find the warehouse associated with this id."}</pre>

9. Update an inventory item

Request

Method	URL
PUT	/inventories/<id>

Type	Params	Values
URL_PARAM	<id>	String (required) - inventory ID
Body	warehouseID	String (required)
Body	warehouseName	String (required)
Body	itemName	String (required)
Body	description	String (required)
Body	quantity	String (required)
Body	category	String (required)
Body	status	String (required)

Response

Status	Response
200	<p>An updated array containing original inventories and the edited inventory item, and a success message.</p> <pre>"data": [{ "id": "9b4f79ea-0e6c-4e59-8e05-afd933d0b3d3", "warehouseID": "2922c286-16cd-4d43-ab98-c79f698aeab0", "warehouseName": "Manhattan", ... }, { // edited item data // },], "message": "The inventory item has been edited"</pre>
400	<pre>{"errorMessage": "Please provide valid input: <missing fields> "}</pre>

404	<code>{"errorMessage":"Can't find the inventory item associated with this id."}</code>
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10. Delete an inventory item

Request

Method	URL
Delete	/inventories/<id>

Type	Params	Values
URL_PARAM	<id>	String (required) - inventory ID

Response

Status	Response
200	<p>An array that excluded that removed inventory item, and a success message</p> <pre>{ "data": [{ "id": "2922c286-16cd-4d43-ab98-c79f698aeab0", "name": "Manhattan", "address": "503 Broadway", "city": "New York", "country": "USA", "contact": { ...info } }, {...},], "message": "The inventory item has been deleted" }</pre>
404	<code>{"errorMessage":"Can't find the inventory item associated with this id."}</code>

