

## Welcome to the InventoryManagement.API documentation

*PI allows you to manage inventory items, including authentication, registration, and inventory management operations.*

### Authentication

#### Login

Endpoint: /api/Auth/login

Method: POST

Description: Authenticates a user and returns a token.

Request Body (application/json, text/json, application/\*+json):

- email (string, required): User's email address.
- password (string, required): User's password.

Responses:

- 200 Success: Authentication successful.

#### Register

Endpoint: /api/Auth/register

Method: POST

Description: Registers a new user.

Request Body (application/json, text/json, application/\*+json):

- email (string, required): User's email address.
- password (string, required): User's password.

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Responses:

- 200 Success: Registration successful.

### Inventory Items

List Inventory Items

Endpoint: /api/InventoryItems

Method: GET

Description: Retrieves a list of inventory items.

Responses:

- 200 Success: Returns an array of inventory items.

Create Inventory Item

Endpoint: /api/InventoryItems

Method: POST

Description: Creates a new inventory item.

Request Body (application/json, text/json, application/\*+json):

- sku (string, nullable): Stock Keeping Unit identifier.
- quantity (integer): Quantity in stock.
- location (string, nullable): Storage location.
- expirationDate (string, nullable, format: date-time): Expiry date.
- batchNumber (string, nullable): Batch number.

Responses:

- 200 Success: Inventory item created successfully.

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### Get Inventory Item

Endpoint: /api/InventoryItems/{id}

Method: GET

Description: Retrieves details of a specific inventory item by ID.

URL Parameters:

- id (integer, required): The ID of the inventory item.

Responses:

- 200 Success: Returns details of the specified inventory item.

### Update Inventory Item

Endpoint: /api/InventoryItems/{id}

Method: PUT

Description: Updates an existing inventory item.

URL Parameters:

- id (integer, required): The ID of the inventory item to update.

Request Body (application/json, text/json, application/\*+json):

- sku (string, nullable): Stock Keeping Unit identifier.
- quantity (integer): Quantity in stock.
- location (string, nullable): Storage location.
- expirationDate (string, nullable, format: date-time): Expiry date.
- batchNumber (string, nullable): Batch number.

Responses:

- 200 Success: Inventory item updated successfully.

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### Delete Inventory Item

Endpoint: /api/InventoryItems/{id}

Method: DELETE

Description: Deletes a specific inventory item by ID.

URL Parameters:

- id (integer, required): The ID of the inventory item to delete.

Responses:

- 200 Success: Inventory item deleted successfully.

## Schemas

### InventoryItemCreateDto

Defines the schema for creating a new inventory item, including optional SKU, quantity, location, expiration date, and batch number.

### InventoryItemReadDto

Describes the schema for reading inventory item details, including ID, SKU, quantity, location, expiration date, and batch number.

### InventoryItemUpdateDto

Specifies the schema for updating an inventory item, similar to InventoryItemCreateDto but used for existing items.

### LoginDto and RegisterDto

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Defines the schemas for user login and registration, requiring email and password.