

API Endpoint: Create Product

Endpoint Details

- **URL:** `http://localhost:5000/api/product`
- **Method:** POST
- **Description:** This endpoint creates a new product. It requires authentication.

Request Parameters

Parameter	Type	Required	Description
name	string	Yes	Name of the product
sku	string	Yes	SKU (Stock Keeping Unit) of the product
category	string	Yes	Category of the product
backroom_quantity	int	Yes	Quantity of the product in the backroom
shelf_quantity	int	Yes	Quantity of the product on the shelf
price	float	Yes	Price of the product
description	string	Yes	Description of the product
image	file	No	Image of the product

Request Headers

- **Cookie:** `token=<authentication_token>`

Test Cases

1. Successful Product Creation

- **Description:** Verify that the product is successfully created with valid parameters and authentication.
- **Input:**
 - **Headers:**
 - **Cookie:** `token=<valid_token>`

Body:

json

```
{
  "name": "New Product",
  "sku": "SKU123456",
  "category": "Category1",
  "backroom_quantity": 10,
  "shelf_quantity": 5,
  "price": 19.99,
  "description": "A new product",
  "image": "<image_file>"
}
```

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- **Expected Response:**

- **Status Code:** 201 Created
- **Body:** JSON object containing the created product details

2. Missing Required Parameters

- **Description:** Verify that the API returns an error when required parameters are missing.

- **Input:**

- **Headers:**
 - Cookie: `token=<valid_token>`

Body:

json

```
{
  "name": "New Product",
  "sku": "SKU123456"
  // Missing other required fields
}
```

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- **Expected Response:**

- **Status Code:** 400 Bad Request
- **Body:** JSON object containing an error message about the missing fields

3. User Not Authenticated

- **Description:** Verify that the API returns an error when the user is not authenticated or the authentication token is missing/invalid.
- **Input:**
 - **Headers:**
 - Cookie: `token=<invalid_or_missing_token>`

Body:

json

```
{  
  "name": "New Product",  
  "sku": "SKU123456",  
  "category": "Category1",  
  "backroom_quantity": 10,  
  "shelf_quantity": 5,  
  "price": 19.99,  
  "description": "A new product"  
}
```

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- **Expected Response:**
 - **Status Code:** 401 Unauthorized
 - **Body:** JSON object containing an error message (e.g., `{ "error": "Not authorized" }`)

Test Results

Test Case	Status	Response Code	Response Body	Remarks
Successful Product Creation	Pass	201	JSON object with created product details	Product created successfully
Missing Required Parameters	Pass	400	<code>{ "error": "Required fields are missing" }</code>	Appropriate error message shown
User Not Authenticated	Pass	401	<code>{ "error": "Not authorized" }</code>	Appropriate error message shown