# Product API

## 1. Create Product

- Endpoint: `POST` **`/products`**
- Description: Add Product.
- Authentication: Requires a valid Admin token.
- Request Body:

```json
{
  "owner": "6620d86334196805584a6bb2",
  "product_name": "rating test",
  "short_0cription": "Short description of the product.",
  "details": {
    "title": "Product Details",
    "description": "Detailed description of the product.",
    "details": [
      {
        "point": "Point 1",
        "description": "Description of point 1"
      },
      {
        "point": "Point 2",
        "description": "Description of point 2"
      }
    ]
  },
  "faq": [
    {
      "question": "FAQ 1?",
      "answer": "Answer to FAQ 1."
    },
    {
      "question": "FAQ 2?",
      "answer": "Answer to FAQ 2."
    }
  ],
  "category": "Example Category",
  "productForm": "Example Form",
  "suitable_for": "Example Suitable For",
  "deficiency": "Example Deficiency",
  "brand": "Example Brand",
  "size": [
    {
      "size": "Small",
      "price": 20
    },
    {
      "size": "Medium",
      "price": 30
    },
    {
      "size": "Large",
      "price": 40
    }
  ],
  "product_image": [
    "image1.jpg",
    "image2.jpg",
    "image3.jpg"
```

```
    ],
    "key_benefits": "Key benefits of the product. Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Nulla lobortis dolor justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus
feugiat hendrerit. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia
curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In hac habitasse platea dictumst.",
    "ingredients": "Ingredients of the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nulla lobortis dolor justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus feugiat
hendrerit. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae; Nam
vel elit leo. Vestibulum sit amet commodo metus. In hac habitasse platea dictumst.",
    "how_to_use": "How to use the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla
lobortis dolor justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus feugiat
hendrerit. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae; Nam
vel elit leo. Vestibulum sit amet commodo metus. In hac habitasse platea dictumst.",
    "safety_information": "Safety information for using the product. Lorem ipsum dolor sit amet,
consectetur adipiscing elit. Nulla lobortis dolor justo, vel scelerisque enim ultrices id. Aliquam sed
metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum primis in faucibus orci luctus et
ultrices posuere cubilia curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In hac habitasse
platea dictumst.",
    "other_information": "Other relevant information about the product. Lorem ipsum dolor sit amet,
consectetur adipiscing elit. Nulla lobortis dolor justo, vel scelerisque enim ultrices id. Aliquam sed
metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum primis in faucibus orci luctus et
ultrices posuere cubilia curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In hac habitasse
platea dictumst.",
    "price": 50,
    "ratings": 4.5,
    "reviews": [],
    "status": "Active",
    "quantity": 100,
    "sale_discount": 10,
    "actual_price": 50,
    "sale_price": 45
}
```

● Response:

```
[
    {
        "owner": "6620d86334196805584a6bb2",
        "product_name": "rating test",
        "description_details": {
            "key_features_details": []
        },
        "faq": [
            {
                "question": "FAQ 1?",
                "answer": "Answer to FAQ 1.",
                "_id": "66547bb2a1956d9250d92a6b"
            },
            {
                "question": "FAQ 2?",
                "answer": "Answer to FAQ 2.",
                "_id": "66547bb2a1956d9250d92a6c"
            }
        ],
        "category": "Example Category",
        "productForm": "Example Form",
        "suitable_for": "Example Suitable For",
        "deficiency": "Example Deficiency",
        "brand": "Example Brand",
        "size": [
            {
                "size": "Small",
                "price": 20,
                "_id": "66547bb2a1956d9250d92a6d"
            },
            {
                "size": "Medium",
                "price": 30,
                "_id": "66547bb2a1956d9250d92a6e"
            },
```

```
        {
            "size": "Large",
            "price": 40,
            "_id": "66547bb2a1956d9250d92a6f"
        }
    ],
    "product_image": [
        "image1.jpg",
        "image2.jpg",
        "image3.jpg"
    ],
    "key_benefits": "Key benefits of the product. Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Nulla lobortis dolor justo, vel scelerisque enim ultrices id. Aliquam sed metus sit
amet purus feugiat hendrerit. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere
cubilia curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In hac habitasse platea dictumst.",
    "ingredients": "Ingredients of the product. Lorem ipsum dolor sit amet, consectetur adipiscing
elit. Nulla lobortis dolor justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus
feugiat hendrerit. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia
curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In hac habitasse platea dictumst.",
    "how_to_use": "How to use the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Nulla lobortis dolor justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus feugiat
hendrerit. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae; Nam
vel elit leo. Vestibulum sit amet commodo metus. In hac habitasse platea dictumst.",
    "safety_information": "Safety information for using the product. Lorem ipsum dolor sit amet,
consectetur adipiscing elit. Nulla lobortis dolor justo, vel scelerisque enim ultrices id. Aliquam sed
metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum primis in faucibus orci luctus et
ultrices posuere cubilia curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In hac habitasse
platea dictumst.",
    "other_information": "Other relevant information about the product. Lorem ipsum dolor sit amet,
consectetur adipiscing elit. Nulla lobortis dolor justo, vel scelerisque enim ultrices id. Aliquam sed
metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum primis in faucibus orci luctus et
ultrices posuere cubilia curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In hac habitasse
platea dictumst.",
    "price": 50,
    "ratings": 4.5,
    "reviews": [],
    "status": "Active",
    "quantity": 100,
    "sale_discount": 10,
    "actual_price": 50,
    "sale_price": 45,
    "availability": "0",
    "total_orders_of_product": 0,
    "_id": "66547bb2a1956d9250d92a6a",
    "createdAt": "2024-05-27T12:25:22.321Z",
    "updatedAt": "2024-05-27T12:25:22.321Z",
    "__v": 0
    }
]
```

## 2. Get Popular Products(sorted by No. of orders)

- Endpoint: GET /products/popularProducts
- Authentication: Don't Require.
- Response:

```
{
    "description_details": { ⋯
    },
    "_id": "6622481d23028700da4ae90a",
    "owner": "6620d85a34196805584a6bae",
    "product_name": "xample Product",
    "short_description": "Key benefits of the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla lobortis
        dolor justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum
        primis in faucibus orci luctus et ultrices posuere cubilia curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In
        hac habitasse platea dictumst.",
    "faq": [ ⋯
    ],
    "category": "Example Category",
    "productForm": "Example Form",
    "suitable_for": "Example Suitable For",
    "deficiency": "Example Deficiency",
    "brand": "Example Brand",
    "size": [ ⋯
    ],
    "product_image": [ ⋯
    ],
    "key_benefits": "Key benefits of the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla lobortis dolor
        justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum primis
        in faucibus orci luctus et ultrices posuere cubilia curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In hac
        habitasse platea dictumst.",
    "ingredients": "Ingredients of the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla lobortis dolor
        justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum primis
```

## 3. Get All Products

- Endpoint: GET **/products**
- Authentication: Don't Require.
- Response:

```
{
    "description_details": { ⋯
    },
    "_id": "6622481d23028700da4ae90a",
    "owner": "6620d85a34196805584a6bae",
    "product_name": "xample Product",
    "short_description": "Key benefits of the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla lobortis
        dolor justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum
        primis in faucibus orci luctus et ultrices posuere cubilia curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In
        hac habitasse platea dictumst.",
    "faq": [ ⋯
    ],
    "category": "Example Category",
    "productForm": "Example Form",
    "suitable_for": "Example Suitable For",
    "deficiency": "Example Deficiency",
    "brand": "Example Brand",
    "size": [ ⋯
    ],
    "product_image": [ ⋯
    ],
    "key_benefits": "Key benefits of the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla lobortis dolor
        justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum primis
        in faucibus orci luctus et ultrices posuere cubilia curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In hac
        habitasse platea dictumst.",
    "ingredients": "Ingredients of the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla lobortis dolor
        justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum primis
```

## 4. Get Specific Product

- Endpoint: GET **/products/:id**
- Request Parameters:

○ id: Product Object ID
● Response:

```
{
    "description_details": {
        "key_features_details": []
    },
    "availability": "0",
    "_id": "6622489692f55b78cf834a25",
    "owner": "6620d86334196805584a6bb2",
    "product_name": "Example Product",
    "short_description": "Short description of the product.",
    "details": { ...
    },
    "faq": [ ...
    ],
    "category": "Example Category",
    "productForm": "Example Form",
    "suitable_for": "Example Suitable For",
    "deficiency": "Example Deficiency",
    "brand": "Example Brand",
    "size": [ ...
    ],
    "product_image": [ ...
    ],
    "key_benefits": "Key benefits of the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla lobortis dolor
        justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum primis in
        faucibus orci luctus et ultrices posuere cubilia curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In hac habitasse
```

## 5. Get Products By Category

● Endpoint: GET **/products/similar/:category**
● Authentication: Don't Require.
● Response:

```
[
    {
        "description_details": { ...
        },
        "_id": "6622481d23028700da4ae90a",
        "owner": "6620d85a34196805584a6bae",
        "product_name": "xample Product",
        "short_description": "Key benefits of the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla lobortis
            dolor justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum
            primis in faucibus orci luctus et ultrices posuere cubilia curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In
            hac habitasse platea dictumst.",
        "faq": [ ...
        ],
        "category": "Example Category",
        "productForm": "Example Form",
        "suitable_for": "Example Suitable For",
        "deficiency": "Example Deficiency",
        "brand": "Example Brand",
        "size": [ ...
        ],
        "product_image": [ ...
        ],
        "key_benefits": "Key benefits of the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla lobortis dolor
            justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum primis
            in faucibus orci luctus et ultrices posuere cubilia curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In hac
            habitasse platea dictumst.",
        "ingredients": "Ingredients of the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla lobortis dolor
            justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum primis
```

## 6. Add Review To Product

- Endpoint: `POST` `/products/:id/reviews`
- Request Parameters:
  - id: Product Object ID
- Request Body:

```json
{
  "userId": "6624d5b38c2442348cec49d6",
  "review_text": "This product is amazing!",
  "rating": 5,
  "images": [
    "https://example.com/image1.jpg",
    "https://example.com/image2.jpg"
  ]
}
```

- Response:

```json
{
  "description_details": {
    "key_features_details": []
  },
  "availability": "0",
  "_id": "6622489692f55b78cf834a25",
  "owner": "6620d86334196805584a6bb2",
  "product_name": "Example Product",
  "short_description": "Short description of the product.",
  "details": { …
  },
  "faq": [ …
  ],
  "category": "Example Category",
  "productForm": "Example Form",
  "suitable_for": "Example Suitable For",
  "deficiency": "Example Deficiency",
  "brand": "Example Brand",
  "size": [ …
  ],
  "product_image": [ …
  ],
  "key_benefits": "Key benefits of the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla lobortis dolor justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In hac habitasse
```

## 7. Get All Review Of Specific Product

- Endpoint: `POST` `/products/:id/reviews`
- Request Parameters:
  - id: Product Object ID
- Response:

```json
{
    "user": "6624d5b38c2442348cec49d6",
    "username": "3zvl8sq6",
    "avatar": "<svg xmlns=\"http://www.w3.org/2000/svg\" viewBox=\"0 0 231 231\"><path d=\"M33.83,33.83a115.5,115.5,0,1,1,0,163.
        34,115.49,115.49,0,0,1,0-163.34Z\" style=\"fill:#6FC30E;\"/><path d=\"m115.5 51.75a63.75 63.75 0 0 0-10.5 126.63v14.
        09a115.5 115.5 0 0 0-53.729 19.027 115.5 115.5 0 0 0 128.46 0 115.5 115.5 0 0 0-53.729-19.029v-14.084a63.75 63.75 0 0 0
        53.25-62.881 63.75 63.75 0 0 0-63.65-63.75 63.75 63.75 0 0 0-0.09961 0z\" style=\"fill:#f5d4a6;\"/><path d=\"m141.74
        195a114.93 114.93 0 0 1 37.912 16.45l0.07 0.05c-1.17 0.79-2.3601 1.55-3.5601 2.29a115.55 115.55 0 0 1-120.95 0.21q-2.
        0001-1.23-4.0002-2.54a114.79 114.79 0 0 1 38.002-16.5 116.21 116.21 0 0 1 15.791-2.49v-14.57c1.32 0.22 2.6501 0.39 4.0002
        0.51 2.0001 0.19 4.0002 0.28 6.1202 0.29a64.333 64.33 0 0 0 8.8804-0.62c0.67003-0.09 1.3401-0.2 2.0001-0.31v14.69a118 118
        0 0 1 15.741 2.54z\" style=\"fill:#fff;\"/><path d=\"m79.292 212a3.4601 3.46 0 0 0 3.8902 5.07 3.3801 3.38 0 0 0 2.1001-1.
        61 3.4701 3.47 0 0 0-1.2801-4.72 3.4201 3.42 0 0 0-2.6201-0.34 3.5101 3.51 0 0 0-2.0901 1.6zm60.122 0.46a3.4901 3.49 0 0
        0 1.21 4.7h0.06a3.4601 3.46 0 0 0 4.7202-1.27l0.07-0.13a3.4601 3.46 0 0 0-1.34-4.6 3.4601 3.46 0 0 0-2.5801-0.32 3.5301 3.
        53 0 0 0-2.1001 1.61zm9.8004 5.7 5.8602 5.87c-1.39 0.5-2.7901 1-4.2102 1.44l-4.4802-4.47a7.5203 7.52 0 0 1-1.9401 0.81 7.
        8303 7.83 0 0 1-6.0002-0.79 7.8703 7.87 0 0 1-2.9201-10.69v-0.07a7.8903 7.89 0 0 1 10.77-2.88l0.12 0.07a7.8603 7.86 0 0 1
        2.7901 10.62v0.07zm-37.701-2.36-9.5004 9.51v4.9c-1.35-0.16-2.6801-0.33-4.0002-0.54v-6l0.58002-0.58 10.1-10.09a7.8703 7.87
        0 1 1 2.8401 2.86zm7.3203-5.91a3.4601 3.46 0 1 0-1.6101 2.1 3.3801 3.38 0 0 0 1.6101-2.1zm-29.741 7.82 3.0901 3.1 0.59002
        0.59v7.36c-1.3401-0.26-2.6801-0.55-4.0002-0.87v-4.84l-2.5101-2.51a7.5203 7.52 0 0 1-1.9401 0.81 7.8803 7.88 0 1 1 1.
        9101-14.43 7.8703 7.87 0 0 1 2.8901 10.75z\" style=\"fill:#000;\"/><path d=\"m43.891 77.836c-5.1124 28.237 2.1347 61.004
        24.792 81.332-6.2362-12.503-9.5362-33.948-9.4887-45.458-0.50203-37.473 41.439-46.335 56.149-17.614 18.8-31.2 52.825-16.
        872 54.062 13.714 0.56018 13.844-0.43568 25.598-7.0962 48.966 18.372-12.47 28.012-53.959 23.545-80.941-47.486-2.2552-94.
        831-2.5724-141.96 0z\" style=\"fill:#D2001B;\"/><path d=\"m111.26 12.782c-18.508 0.0791-32.594 3.6163-32.594 3.6163 24.
        513 5.6002 32.807 10.504 31.743 19.835-0.87227 9.702-11.092 10.875-20.811 11.554-5.2548 0.36414-10.949 0.71523-16.391 1.
        7525-11.862 2.2818-19.946.4.3736-24.447.11.956-1.7012.2.8662-3.7945.10.428-4.8689.16.34h141.96c-5.7242-38.563-32.557-65.
```

## 8. Remove Specific Product

- Endpoint: `DELETE /products/:id`
- Request Parameters:
  - id: Product Object ID
- Authentication: Requires a valid Admin token.
- Response:

```json
{
    "description_details": {…
    },
    "availability": "0",
    "_id": "6622489692f55b78cf834a25",
    "owner": "6620d86334196805584a6bb2",
    "product_name": "Example Product",
    "short_description": "Short description of the product.",
    "details": {…
    },
    "faq": […
    ],
    "category": "Example Category",
    "productForm": "Example Form",
    "suitable_for": "Example Suitable For",
    "deficiency": "Example Deficiency",
    "brand": "Example Brand",
    "size": […
    ],
    "product_image": […
    ],
    "key_benefits": "Key benefits of the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla lobortis dolor
        justo, vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum primis in
        faucibus orci luctus et ultrices posuere cubilia curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In hac habitasse
        platea dictumst.",
    "ingredients": "Ingredients of the product. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla lobortis dolor justo,
        vel scelerisque enim ultrices id. Aliquam sed metus sit amet purus feugiat hendrerit. Vestibulum ante ipsum primis in
        faucibus orci luctus et ultrices posuere cubilia curae; Nam vel elit leo. Vestibulum sit amet commodo metus. In hac habitasse
```