

Product.JSON Explained

```
[
  {
    "productId": 1001,
    "productName": "Wireless Headphones",
    "description": "Noise-cancelling wireless headphones with
                  Bluetooth 5.0 and 20-hour battery life.",
    "brand": "SoundPro",
    "category": "Electronics",
    "price": 199.99,
    "currency": "USD",
    "stock": {
      "available": true,
      "quantity": 50
    },
    "images": [
      "https://example.com/products/1001/main.jpg",
      "https://example.com/products/1001/side.jpg"
    ],
    "variants": [
      {
        "variantId": "1001_01",
        "color": "Black",
        "price": 199.99,
        "stockQuantity": 20
      },
      {
        "variantId": "1001_02",
        "color": "White",
        "price": 199.99,
        "stockQuantity": 30
      }
    ],
    "dimensions": {
      "weight": "0.5kg",
      "width": "18cm",
      "height": "20cm",
      "depth": "8cm"
    },
    "ratings": {
      "averageRating": 4.7,
      "numberOfReviews": 120
    },
    "reviews": [
      {
        "reviewId": 501,
        "userId": 101,
        "username": "techguy123",
        "rating": 5,
        "comment": "Amazing sound quality and battery life!"
      },
      {
        "reviewId": 502,
        "userId": 102,
        "username": "jane_doe",
        "rating": 4,
        "comment": "Great headphones but a bit pricey."
      }
    ]
  },
  {
    "productId": 1002
```

Object start.
Simple: integer.
Simple: string.
Simple: string.
Simple: string.
Simple: string.
Simple: double.
Nested object of boolean & integer values.
Array of strings.
Array of Objects. The objects contain nested string, double, and integer values.
Nested object of string values.
Nested object of double and integer values.
Array of Objects of mixed value types.
Start New Product

Product.JSON Summary

JSON Path	Structure Type	Contains
productId	Simple value	Integer
productName	Simple value	String
price	Simple value	Number (double)
stock	Nested object	Boolean + Integer values
images	Array of strings	String values
variants	Array of objects	Objects with mixed value types
dimensions	Nested object	String values
ratings	Nested object	Number values (double + integer)
reviews	Array of objects	Objects with mixed value types

Key JSON Terminology:

- **Object** = { } - Collection of key-value pairs (like a Delphi record or class)
- **Array** = [] - Ordered list of items (like a Delphi dynamic array)
- **Nested Object** = An object inside another object
- **Array of Objects** = An array where each element is an object
- **Simple Value** = String, Number, Boolean, or Null