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Day 2: Planning the Technical Foundation

API Specification Document   **Date: 16-01-2025**

Authentication API

> **Endpoint:** /api/auth/login
> **Method:** POST
> **headers**: {'Content-Type': 'application/json'}
> **Payload:**
> {
>> "email":   user@example.com,
>> "password":   "securepassword"
>
> }
> **Response:**
> {
>> "token":   "abc_token",
>> "user":
>> {
>>> "id":   "123",
>>> "name":   "shoaib"
>>
>> }
>
> }

Product API

> **Endpoint:** /api/products
> **Method:** GET
> **Response:**

```
[
  {
    "name": "Sofa set",
    "description": "A stylish, sofa set for your living room.",
    "image": "https://example.com/images/sofa.jpg",
    "id": "1",
    "features": [
        "Premium material",
        "Handmade upholster",
        "Quality timeless classic"
        ],
    "dimensions": {
        "width": "110cm",
        "height": "110cm",
        "depth": "50cm"
        },
```

```
            "category": "Sofas",
            "price": 550,
            "tags": [
                    "popular products"
                    ],
            "slug": "1"
        },
      ...
    ]
```

Order API

Endpoint: /api/place-order
Method: POST
headers: {
                    'Content-Type': 'application/json',
                }
Preload

```
{
    "customername": "abc",
    "email": "abc@example.com",
    "Phone": "03311343814",
    "shippingAddress": "123 Street, City",
    "paymentMethod": "Cash on Delivery",
    "  cartItems": [
        { "product": "vases"},
        { "product": "wall light"}
    ],
    "total": "10000",
    "trackingnumber": "TRN-111111"
}
```

Response:

```
{
    "orderId": "ORD12345",
    "message": "Order placed successfully!",
     "trackingNumber": "TRN-111111"
}
```

Shipment API

Endpoint: /api/shipment
Method: Get
Query Parameters:

```
{
      "weight": 10,
      "distance": 100
```

```
    }
```
Response:
```
{
    "rates": {
        "carrier": "Dummy Carrier",
        "service": "Standard",
        "charges": "25.00",
        "deliveryTime": "5-7 days"
    }
}
```