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Day 2: Planning the Technical Foundation

API Specification Document

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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",  
    "slug": "1",  
    "description": "Sofa Set",  
    "height": "20",  
    "width": "25",  
    "depth": "25",  
    "price": 25000,  
    "category": "Living Room",  
    "image": "Sofa-Set.jpg",  
    "stock": 10  
  }  
]
```

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"  
  }  
}
```