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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": "shoaib1244@gmail.com",
  "password": "Bizztrax@123"
}
```

Response:

```
{
  "message": "Login successful",
  "userId": "1GBx4Nrpmv6pXFr4NFtv60"
}
```

Authentication API

Endpoint: /api/auth/signup

Method: POST

headers: {'Content-Type': 'application/json'}

Payload:

```
{
  "name": "shoaib",
  "email": "shoaib1244@gmail.com",
  "password": "SecurePassword123"
}
```

Response:

```
{
  "message": "User created successfully",
  "user": {
    "_createdAt": "2025-01-22T10:07:46Z",
    "_id": "7SHn44fr5ON5cm5sgvVKhE",
    "_rev": "7SHn44fr5ON5cm5sgvVKf7",
    "_type": "user",
    "_updatedAt": "2025-01-22T10:07:46Z",
    "email": "shoaib1244@gmail.com",
    "name": "shoaib",
    "password":
"$2a$10$3k2oTkeoAKOP/AgxYIbZSuMUEe8WA3Gegzsv7BnVYbM9M5E7zIO8K"
  }
}
```

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 upholstery",
      "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"  
  }  
}
```