

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

Endpoint	Method	Description	Parameters	Response Example
/api/furniture	GET	Fetch all furniture items	None	{ id: 1, name: 'Sofa' }
/api/furniture/:id	GET	Fetch a single furniture item	id (Path)	{ id: 1, name: 'Sofa' }
/api/furniture	POST	Add a new furniture item	name, price, category (Body)	{ success: true, id: 5 }
/api/furniture/:id	PUT	Update a furniture item	id (Path), name, price (Body)	{ success: true }
/api/furniture/:id	DELETE	Delete a furniture item	id (Path)	{ success: true }
/api/categories	GET	Fetch all furniture categories	None	{ categories: ['Living Room', 'Bedroom'] }

## 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"  
  }  
}
```

**Prepared By:** Sameed Siddiqui