

iii) API PLAN (How system will communicate)

Api will help connect the fronted, database & external services.

1) GET ALL THE PRODUCTS (for product listing)

* Used for: Showing all furniture items on the website.

* Endpoint: Products

* Method GET

* Response example:

```
{
  "id": 1,
  "name": "Sofa",
  "price": 500,
  "category": "Sofa",
  "stock": 10
}
```

2) PLACE AN ORDER (for checkout process)

* Used for: saving customer orders in database

* Endpoint: Orders

* Method: POST

* Payload:

```
{
  User Id: 123,
  Items: [
    {
      "productId": 1,
      "quantity": 1
    }
  ],
  "total": 500
}
```

3) TRA

* Used

* End

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