

Application



MySQL

SQL Database

Products

id	name	price
1	Samsung S6	2000
2	Samsung S7	3000
3	Samsung S8	4000

Users

id	name	email
1	Sadık	sadik@gmail.com
2	Çınar	cinar@gmail.com
3	Emel	emel@gmail.com

Orders

id	userid	productid
1	1	1
2	1	2
3	2	2

Relationships

1-One to Many

2-One to One

3-Many to Many

One to Many

Products		
id	name	price
1	Samsung S6	2000
2	Samsung S7	3000
3	Dell Laptop	5000

Category	
id	name
1	Telefon
2	Bilgisayar
3	Tablet

One to Many

Products			
id	name	price	category
1	Samsung S6	2000	Telefon
2	Samsung S7	3000	Telefon
3	Dell Laptop	5000	Bilgisayar

Category	
id	name
1	Telefon
2	Bilgisayar
3	Tablet

Many to Many

Products		
id	name	price
1	Samsung S6	2000
2	Samsung S7	3000
3	Dell Laptop	5000

Category	
id	name
1	Telefon
2	Bilgisayar
3	Elektronik

ProductCategory	
productid	categoryid
1	1
1	3
2	1

One to One

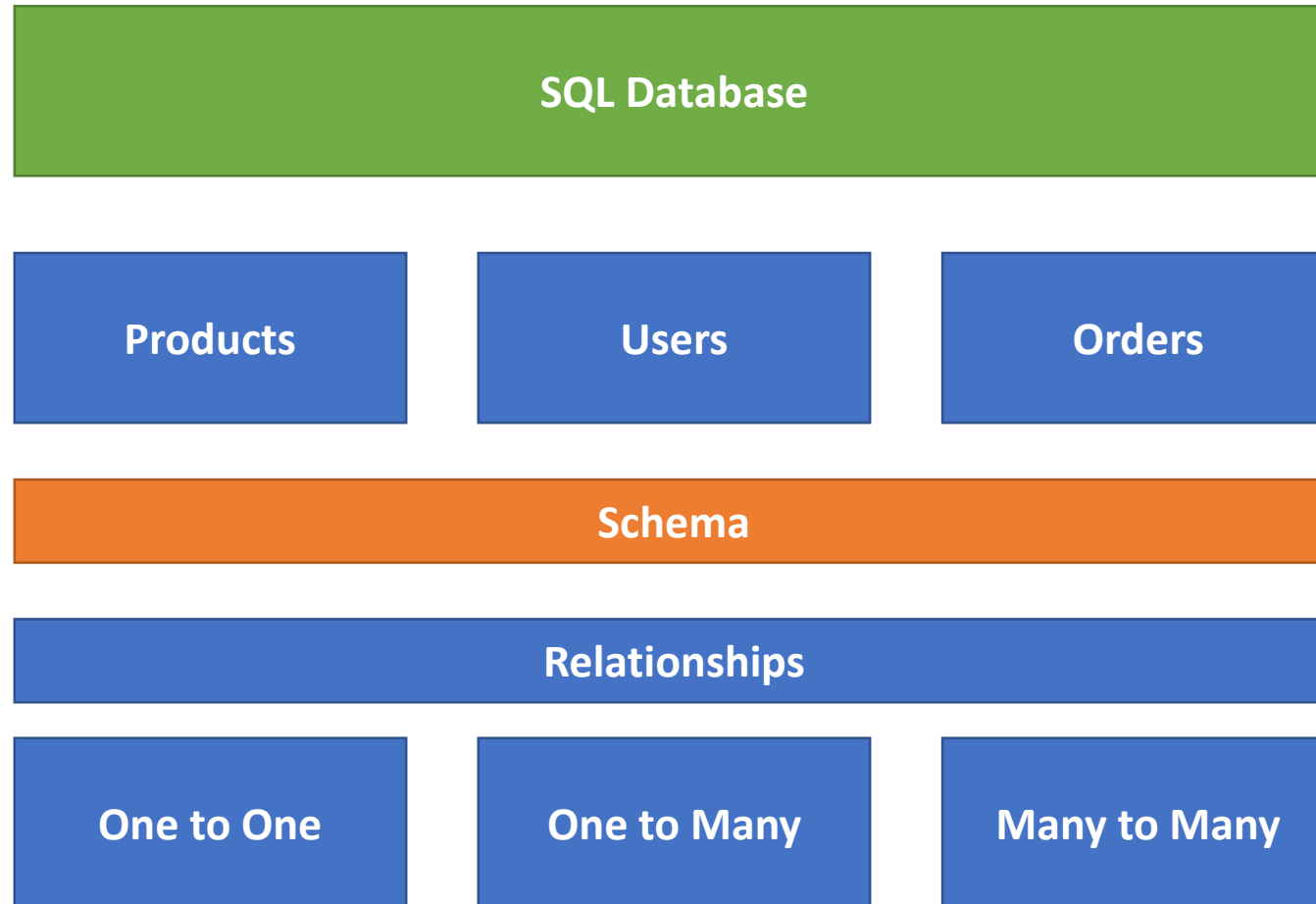
Products

id	name	price
1	Samsung S6	2000
2	Samsung S7	3000
3	Dell Laptop	5000

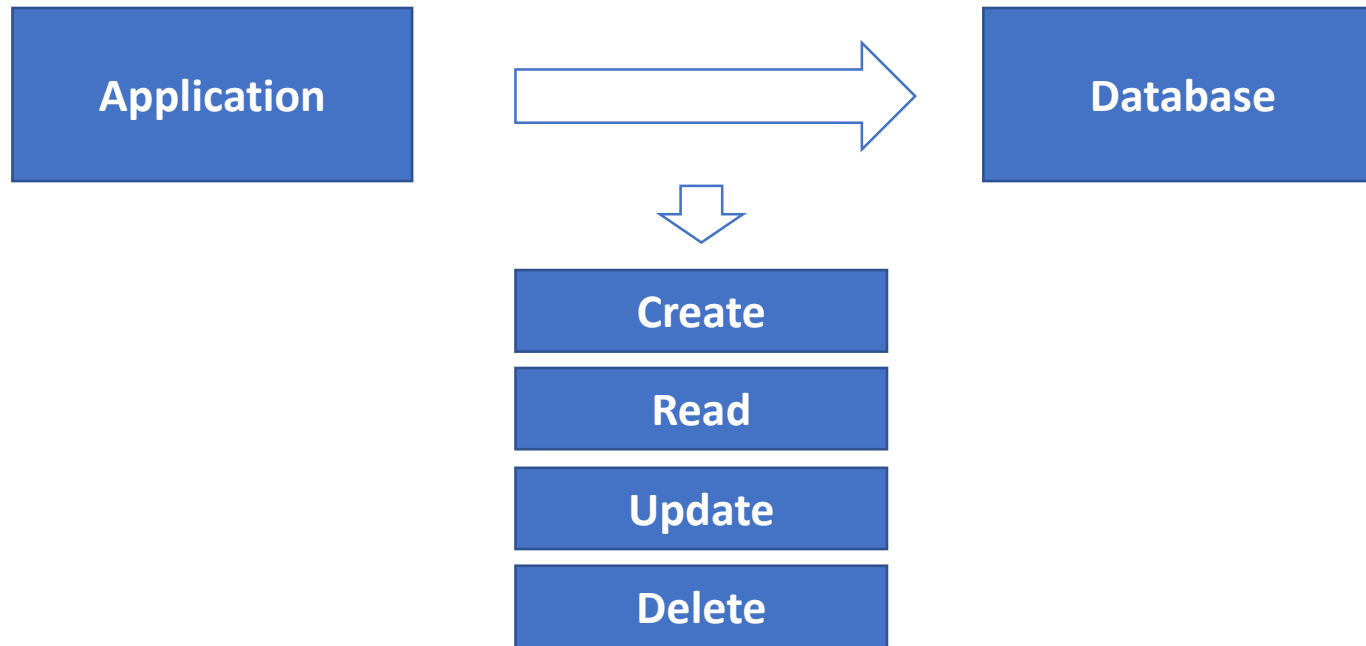
Product_Details

id	renk	ebat	agirlik
1	kırmızı	100x50	150gr
2	mavi	100x50	150gr
3	siyah	100x50	3500gr

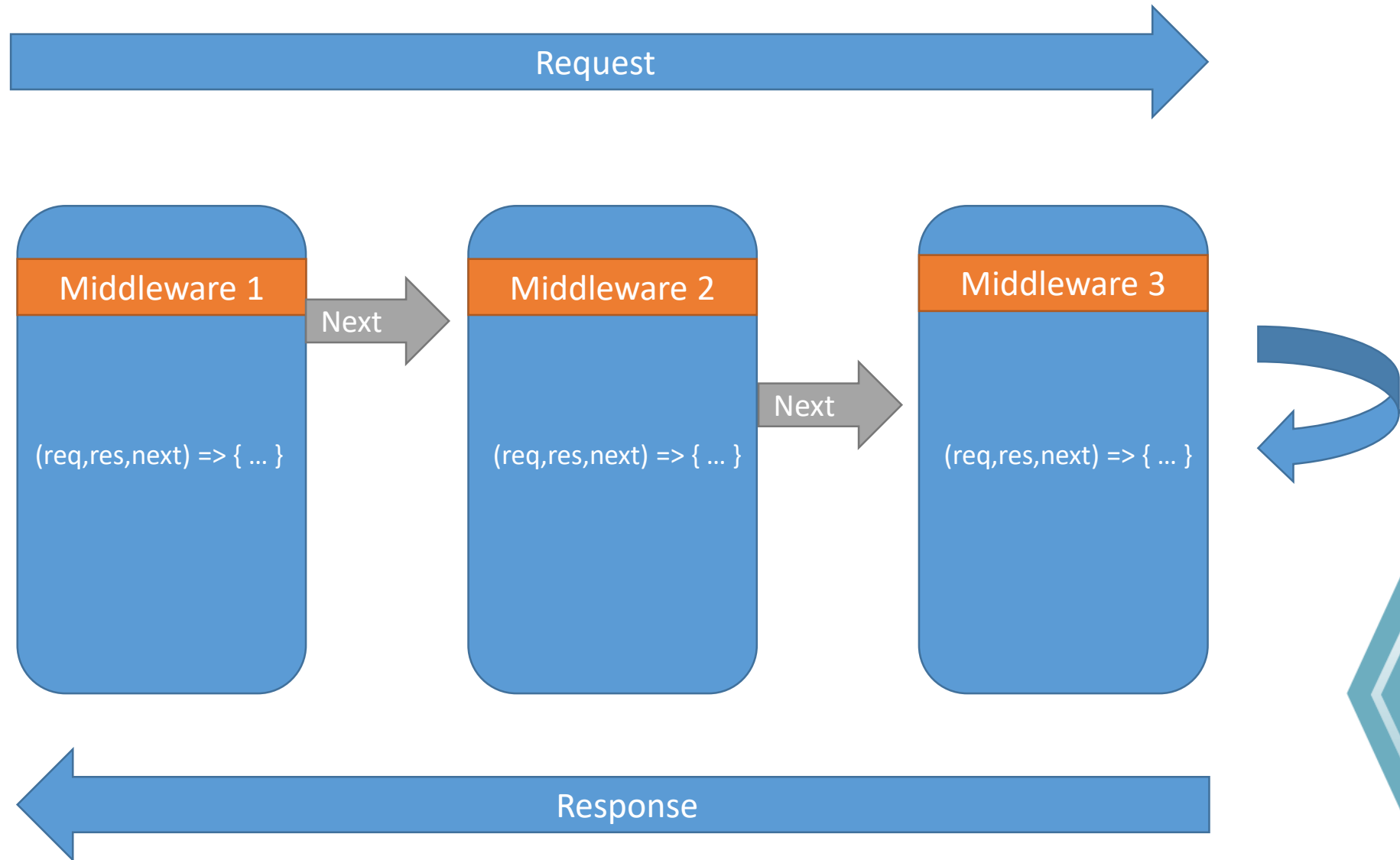
SQL Database



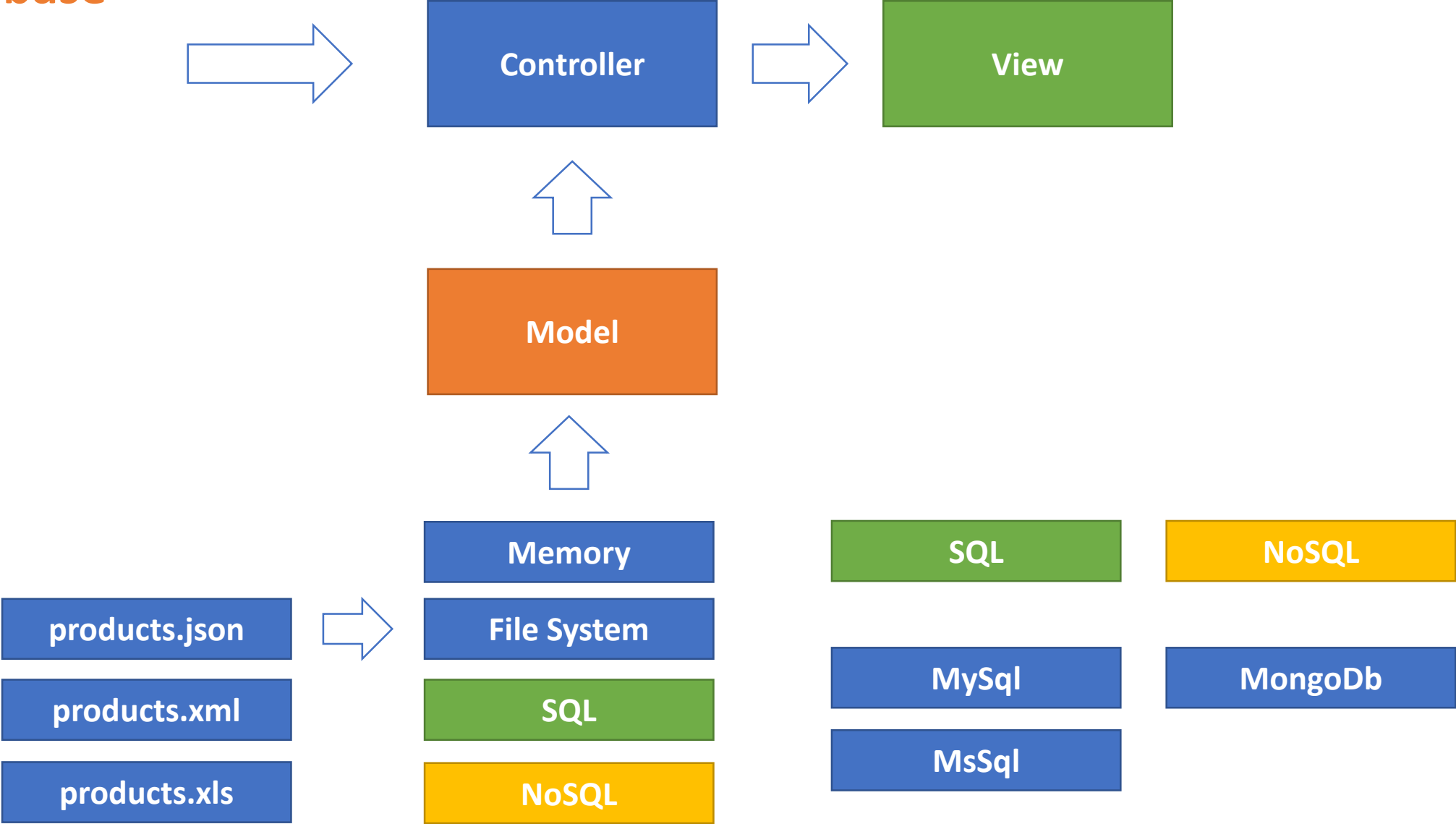
SQL Query

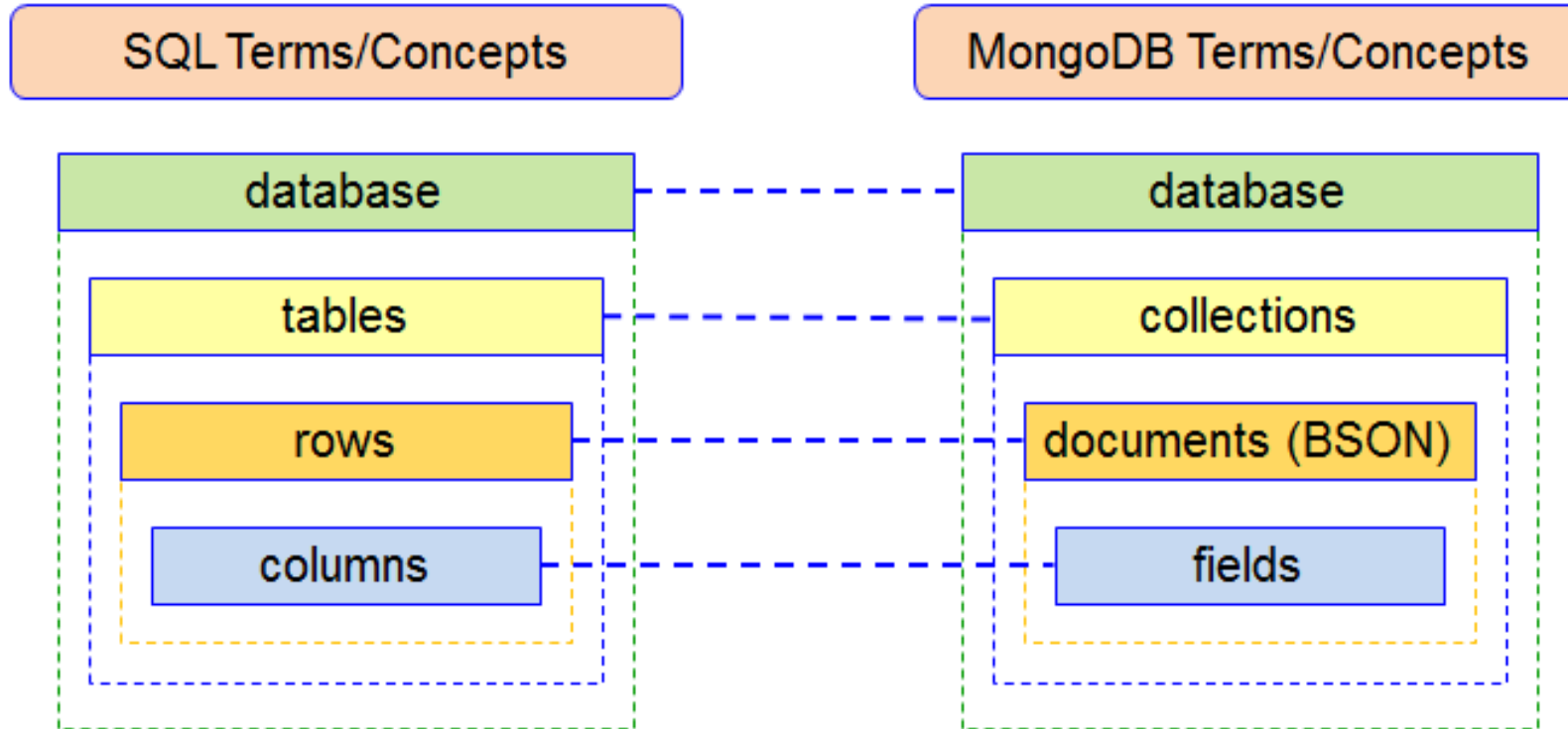


Middleware Nedir ?



Database





Server

Database

node-app

Collections

Categories

Products

Documents

{name: 'Telefon'}

{name: 'Samsung S6', price:3000}

{name: 'Bilgisayar', description:
'aciklama'}

{name: 'Samsung S7', price:4000}

```
{  
  "name": "Ahmet",  
  "age": 25,  
  "address": {  
    "city": "Kocaeli",  
    "country": "Türkiye"  
  },  
  "roles": [  
    "admin",  
    "customer"  
  ]  
}
```

Orders

{id: 1, user: {id:1, email: 'ahmet@gmail.com'}, product: {id:2,price: 3000}}

{id: 2, user: {id:2, email: 'ali@gmail.com'}, product: {id:1,price: 2000}}

{id: 3, user: {id:2, email: 'ali@gmail.com'}, products: [{id:1,price: 2000}, {id:2,price: 3000}]}

Users

{id: 1, name: 'ahmet',email: 'ahmet@gmail.com'}}

{id: 2, name: 'ali',email: 'ali@gmail.com'}}

Products

{id: 1, name: 'Samsung S6', price: 2000}}

{id: 2, name: 'Samsung S7', price: 3000}}

Embedded Documents

Users

```
{
  name: 'ahmet',
  age: 25,
  address: {
    city: 'Kocaeli',
    country: 'Türkiye'
  }
}
```

References

Users

```
{
  name: 'ahmet',
  orders: [ {...}, {...} ]
}
```

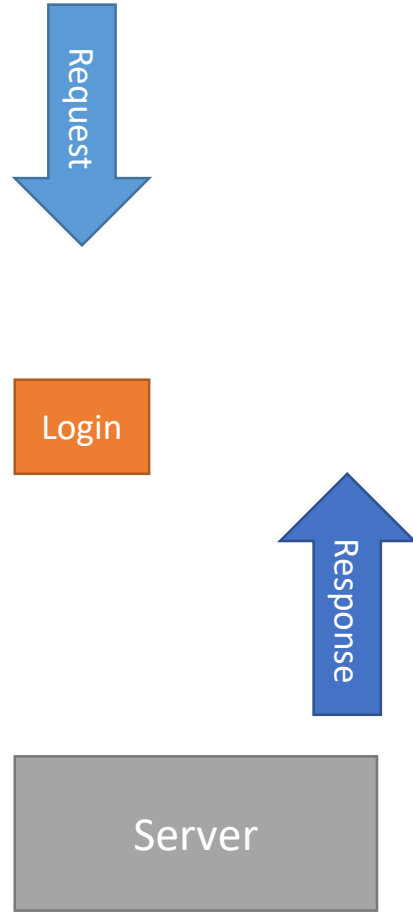
Users

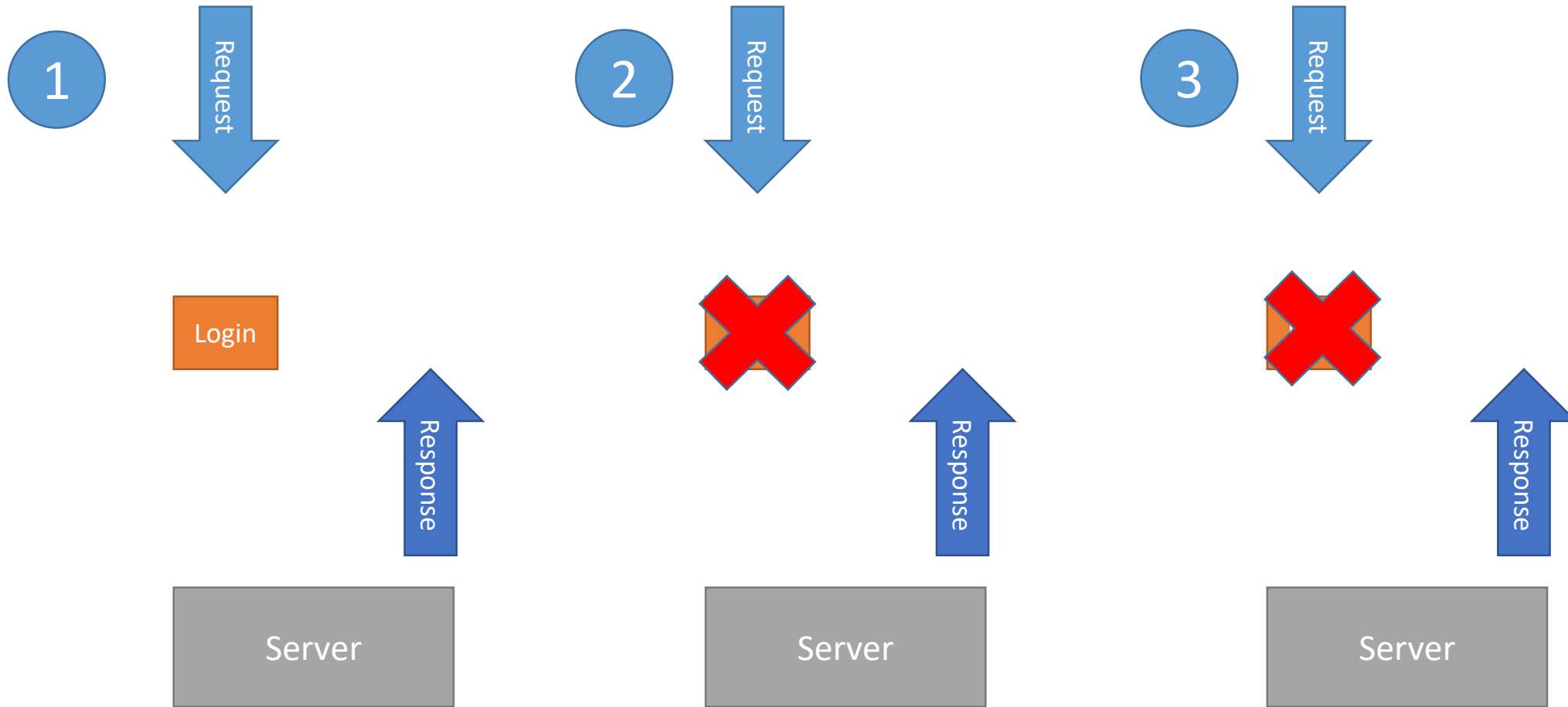
```
{
  name: 'ahmet',
  orders: [ 'id1', 'id2' ]
}
```

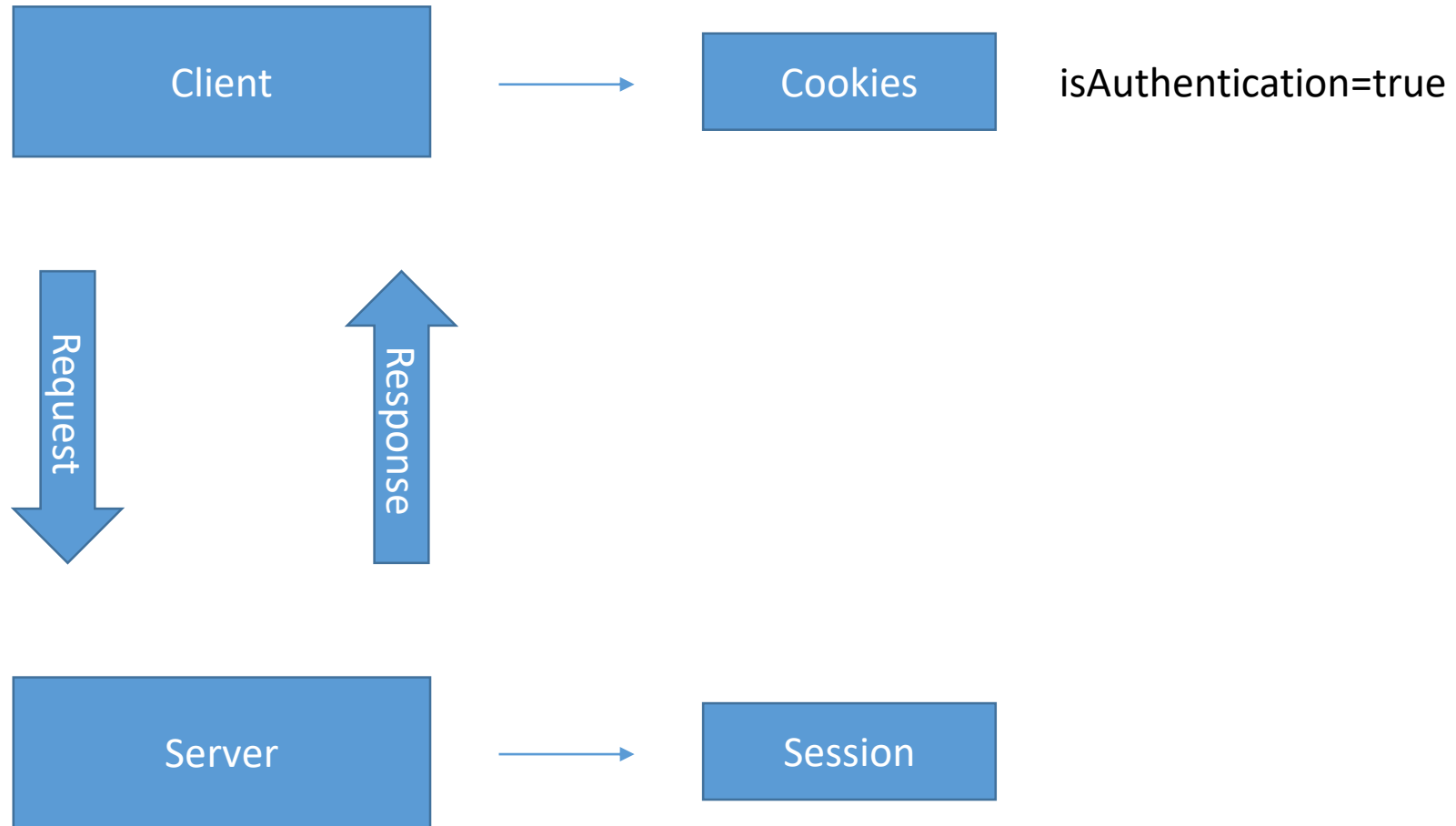
Orders

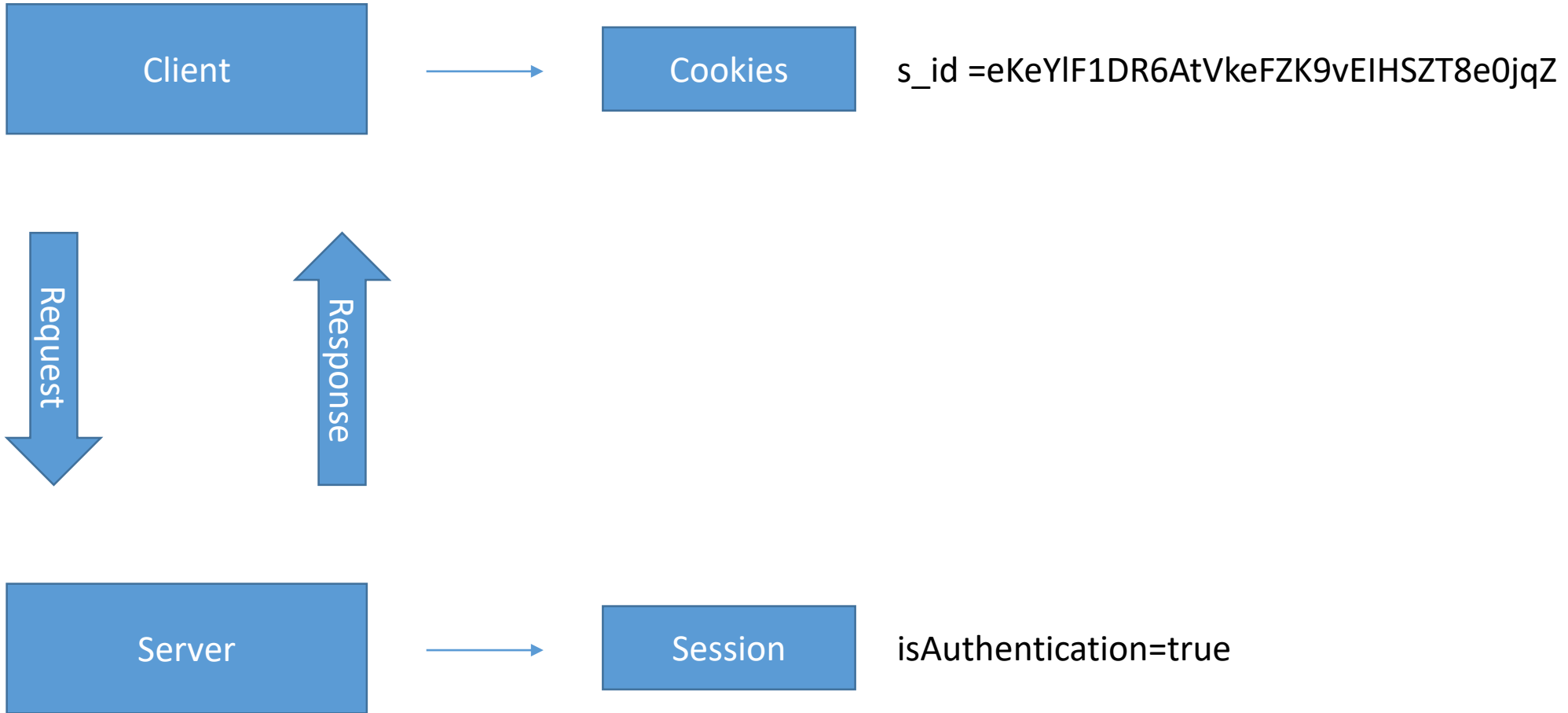
```
{
  _id: 'id1',
  productid: 1
}
```


Demo: **Error Handling**





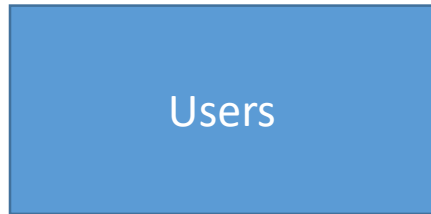




One to Many

Products			
id	name	price	catid
1	Samsung S6	2000	1
2	Samsung S7	3000	1
3	Dell Laptop	5000	2

Category	
id	name
1	Telefon
2	Bilgisayar
3	Tablet



UserId



```
_id: ObjectId("5c6d06756dce4705d0568c10")  
name : "sadikturan "  
email : "email@sadikturan.com "
```

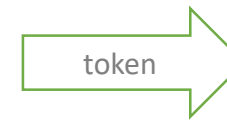
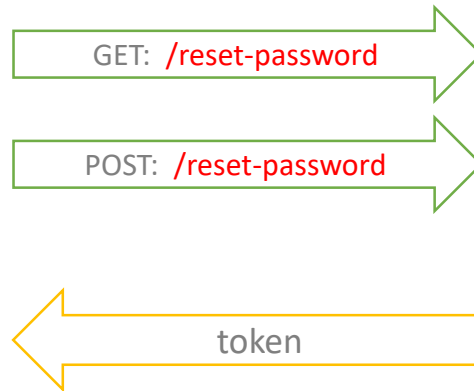
```
_id: ObjectId("5c68e1297c335b096c841311")  
name: "iPhone 8"  
price: "3000"  
description: " fff"  
imageUrl: "3.jpg"  
userId: ObjectId("5c6d0ec57fd89e0000565380")
```

Users

```
_id: ObjectId("5c6d06756dce4705d0568c10")  
name : "sadikturan "  
email : "email@sadikturan.com "
```

Products

```
_id: ObjectId("5c68e1487c335b096c841312")  
name : "iPhone 7 "  
price : "5000 "  
description : " ccc "  
imageUrl : "2.jpg "  
> user : Object
```

<http://localhost:3000/reset-password/5c67e51dd5ec1385298695c8>

A



www.bank.com



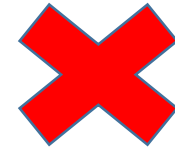
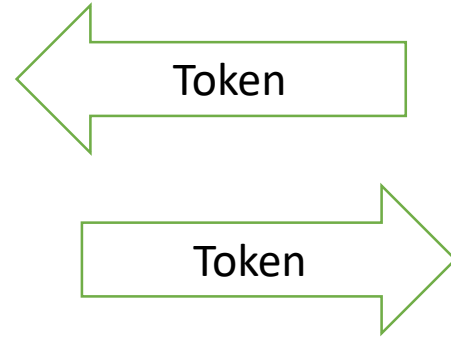
cookie

session

```
<form action="http://bank.com" method="POST">
  <input type="hidden" name="aliciHesapNo" value="132323">
  <input type="hidden" name="miktar" value="500">
  <input type="submit" value="Submit">
</form>
```

B





```
<form action="http://bank.com" method="POST">  
  <input type="hidden" name="aliciHesapNo" value="132323">  
  <input type="hidden" name="miktar" value="500">  
  <input type="submit" value="Submit">  
</form>
```

Html Editor

