

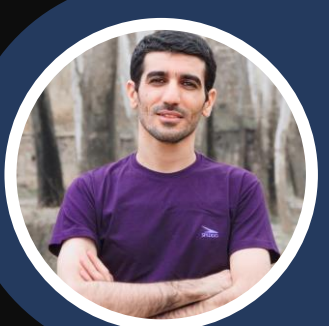
Model binding

ASP.NET Core

- **FromBody**
- **FromForm**
- **FromHeader**
- **FromQuery**
- **FromRoute**

Curl
Examples

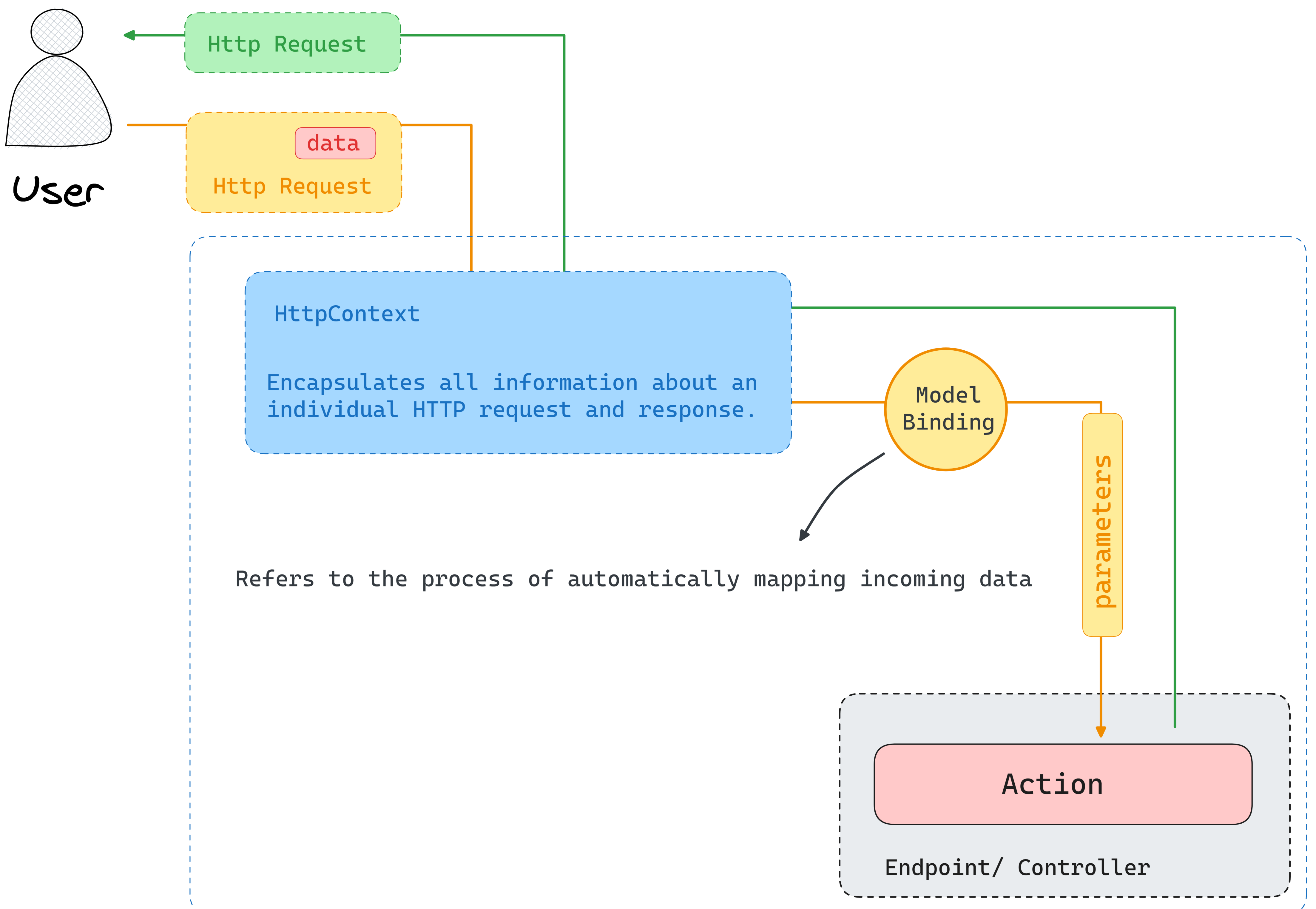
SWIPE →



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Abstract View

The process of automatically **mapping incoming data** from an HTTP request to the parameters or properties of a model class or method parameters.



FromBody



```
1 app.MapPost("api/create-order", ([FromBody] Order order) =>
2 {
3     // your logic
4 });
5
6 record Order(decimal Price, DateTime DateTime, int CustomerId);
```



```
1 curl -X POST \
2     -H "Content-Type: application/json" \
3     -d '{
4         "Price": 100.50,
5         "DateTime": "2023-09-01T12:00:00",
6         "CustomerId": 2089
7     }' \
8     http://localhost:5000/api/create-order
```

Specify a parameter of an action should be bound from the **request body**.

FromForm



```
1 app.MapPost("api/create-order", ([FromForm] Order order) =>
2 {
3     // your logic
4 });
5
6 record Order(decimal Price, DateTime DateTime, int Customer);
```



```
1 curl -X POST \
2     -F "Price=100.50" \
3     -F "DateTime=2023-09-01T12:00:00" \
4     -F "CustomerId=2089" \
5     http://localhost:5000/api/create-order
```

Specify a parameter of an action should be bound from the **posted form fields**.

FromHeader



```
1 app.MapPost("api/create-order", (  
2     [FromHeader(Name = "p")] decimal Price,  
3     [FromHeader] DateTime DateTime,  
4     [FromHeader] int CustomerId) =>  
5 {  
6     // your logic  
7 });
```



```
1 curl -X POST \  
2     -H "P: 123.45" \  
3     -H "DateTime: 2023-09-01T14:30:00" \  
4     -H "CustomerId: 42" \  
5     http://localhost:5000/api/create-order
```

Specify a parameter of an action should be bound from the **HTTP headers**.

FromQuery

```
1 app.MapPost("api/create-order", (  
2     [FromQuery] decimal Price,  
3     [FromQuery(Name = "d")] DateTime DateTime,  
4     [FromQuery] int CustomerId) =>  
5 {  
6     // your logic  
7 });
```

```
1 curl -X POST "https://your-api-url/api/order/MapPost?Price=123.45" \  
2     -d "d=2023-09-01T14:30:00" \  
3     -d "CustomerId=42"
```

Specify a parameter of an action should be bound from the **query string**.

FromRoute

```
1 app.MapPost("api/create-order/{price}/{dateTime}/{custId:int}", (  
2     [FromRoute] decimal Price,  
3     [FromRoute] DateTime DateTime,  
4     [FromRoute(Name = "custId")] int CustomerId) =>  
5 {  
6     // your logic  
7 });
```

```
1 curl -X POST \  
2     "https://your-api-url/api/order/MapPost/123.45/2023-09-01T14:30:00/42"
```

Specify a parameter of an action should be bound from **route (url) data**.

follow(me);