

# @GetMapping and @PostMapping

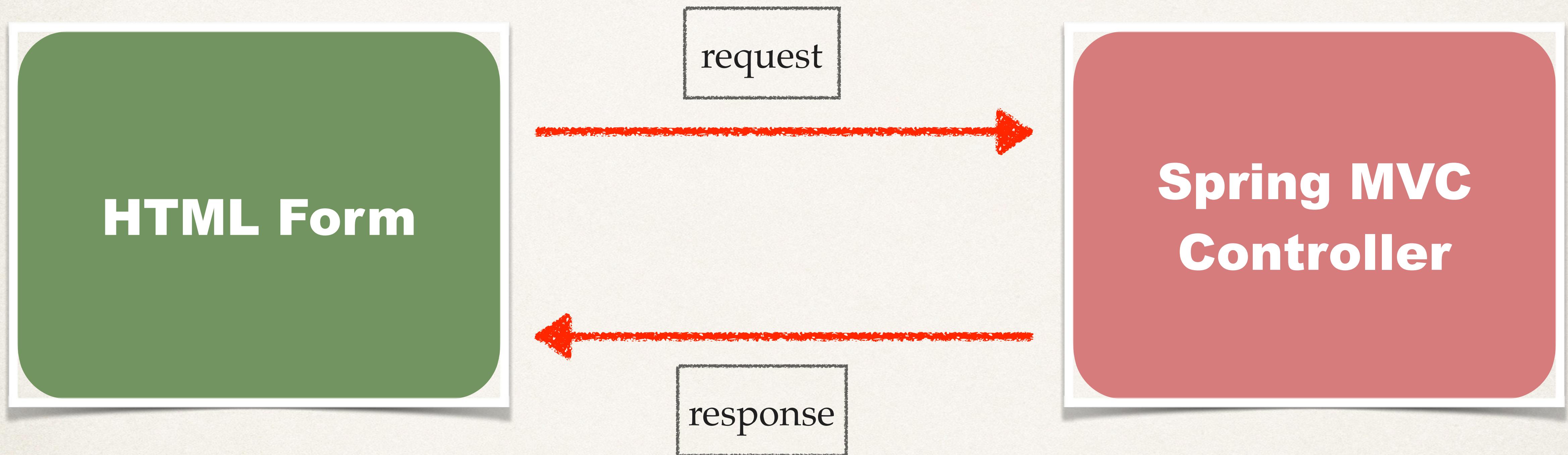


# New Annotations

- **@GetMapping**
- **@PostMapping**

*Added in  
Spring 4.3*

# HTTP Request / Response



# Most Commonly Used HTTP Methods

Method	Description
<b>GET</b>	Requests data from given resource
<b>POST</b>	Submits data to given resource
<i>others</i>	...

# Sending Data with GET method

```
<form action="processForm" method="GET" ...>  
...  
</form>
```

- Form data is added to end of URL as name / value pairs
  - **theUrl?field1=value1&field2=value2...**

# Handling Form Submission

```
@RequestMapping("/processForm")
public String processForm(...) {
    ...
}
```

- This mapping handles ALL HTTP methods
  - GET, POST, etc ...

# Constrain the Request Mapping - GET

```
@RequestMapping(path="/processForm", method=RequestMethod.GET)
public String processForm(...) {
    ...
}
```

- This mapping **ONLY** handles GET method
- Any other HTTP REQUEST method will get rejected

# New Annotation Short-Cut

```
@GetMapping("/processForm")
public String processForm(...) {
    ...
}
```

*Added in  
Spring 4.3*

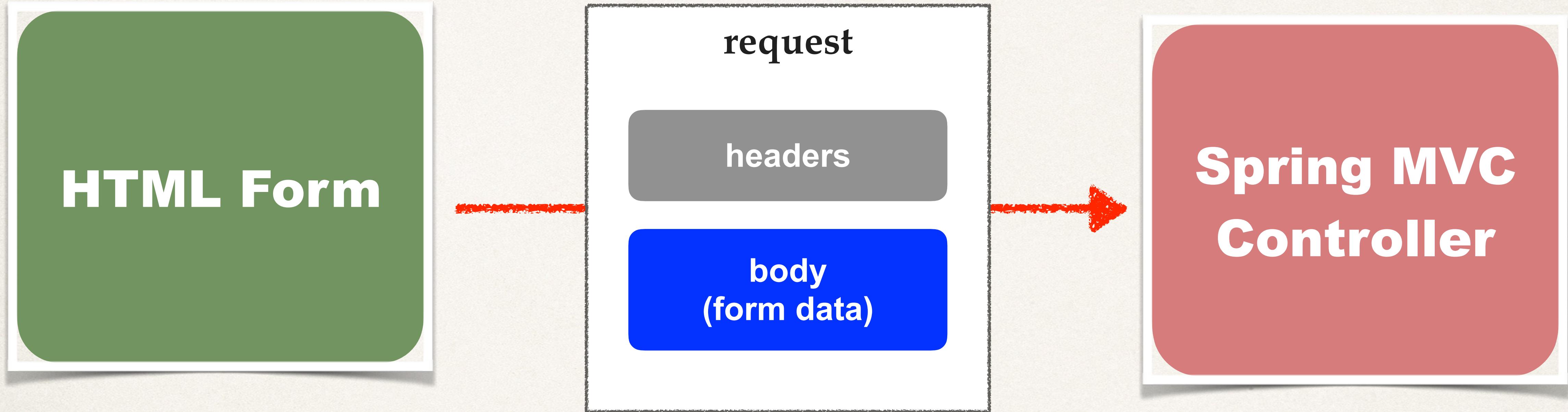
- New annotation: **@GetMapping**
- This mapping **ONLY** handles **GET** method
- Any other HTTP REQUEST method will get rejected

# Sending Data with POST method

```
<form action="processForm" method="POST" ...>  
...  
</form>
```

- Form data is passed in the body of HTTP request message

# Sending Data with POST method



# Constrain the Request Mapping - POST

```
@RequestMapping(path="/processForm", method=RequestMethod.POST)
public String processForm(...) {
    ...
}
```

- This mapping **ONLY** handles **POST** method
- Any other HTTP REQUEST method will get rejected

# New Annotation Short-Cut

```
@PostMapping("/processForm")
public String processForm(...) {
    ...
}
```

*Added in  
Spring 4.3*

- New annotation: **@PostMapping**
- This mapping **ONLY** handles **POST** method
- Any other HTTP REQUEST method will get rejected

# Well .... which one???

## GET

- Good for debugging
- Bookmark or email URL
- Limitations on data length

## POST

- Can't bookmark or email URL
- No limitations on data length
- Can also send binary data

# Recap: New Annotations

- **@GetMapping**
- **@PostMapping**

*Added in  
Spring 4.3*