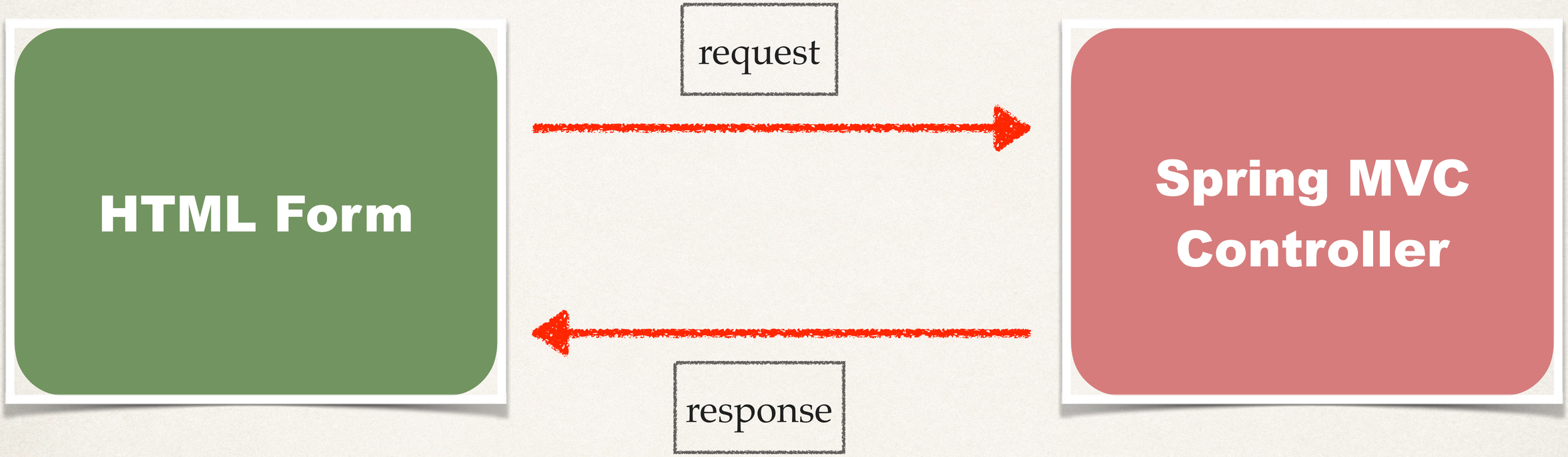
@GetMapping and @PostMapping

New Annotations

- @GetMapping
- @PostMapping

Added in Spring 4.3

HTTP Request / Response



Most Commonly Used HTTP Methods

Method	Description
GET	Requests data from given resource
POST	Submits data to given resource
others	…

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

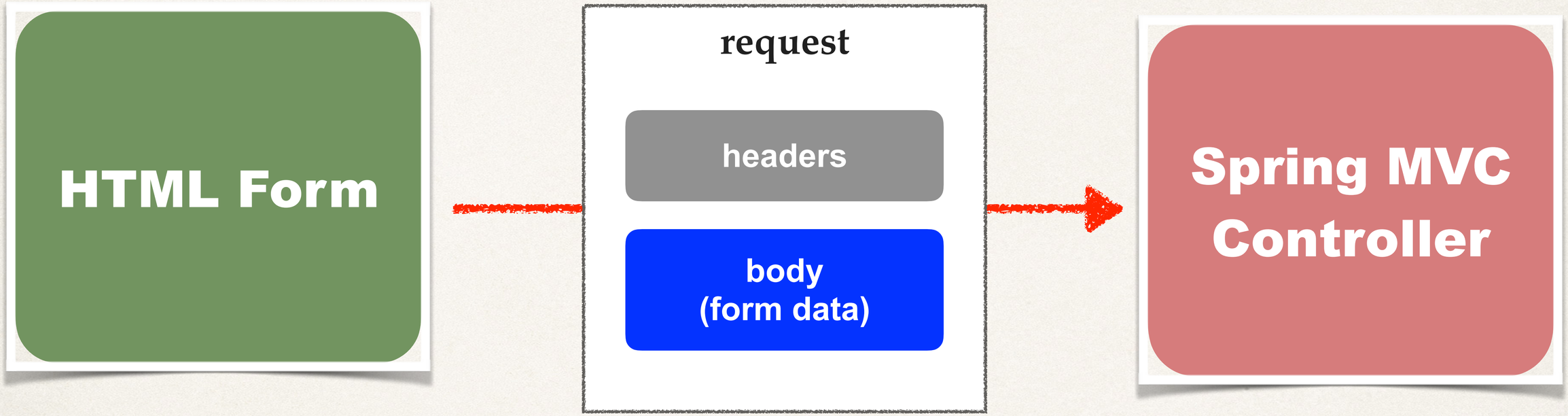
- New annotation: **@GetMapping**
- This mapping **ONLY** handles **GET** method
- Any other HTTP REQUEST method will get rejected

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