RestController

@RestController

• 스프링 4.0이상 지원

```
@RestController
public class RestController {
    @RequestMapping("/home")
    public String home() {
        return "home";
    }
}
```

@RestController

• 스프링 3 에서는 @ResponseBody 사용

```
@Controller
public class HomeController {
    @ResponseBody
    public String hello() {
        return "hello";
    }
}
```

home

R		Elei	ments	Console	5	Sources	Network	Performan	ce M	lemory	/ Applica	tion Sec	urity Audi	ts	
•	0		7	View:	7	Gro	oup by frame	e Pres	erve log		Disable cach	ne	line Online	•	
Filter					Hide	Hide data URLs All XHR JS CSS Img Media Font Doc WS Ma								r	
	5 ms		10 ms	15 m	S	20 ms	25 ms	30 ms	3	35 ms	40 ms	45 ms	50 ms	i (
Name					×	× Headers Preview Response Cookies Timing									
home						▼ General Request URL: http://localhost:8080/home Request Method: GET Status Code: 200 Remote Address: [::1]:8080 Referrer Policy: no-referrer-when-downgrade									
1 requests I 102 B transferred I Fi						▼ Response Headers view source Content-Length: 4 Content-Type: text/html Date: Sun, 03 Dec 2017 02:51:24 GMT								전 페이지	

Jackson Library

Pom.xml

Sevlet-context.xml

```
<!-- Enables the Spring MVC @Controller programming model --> <annotation-driven />
```

VO 객체 생성

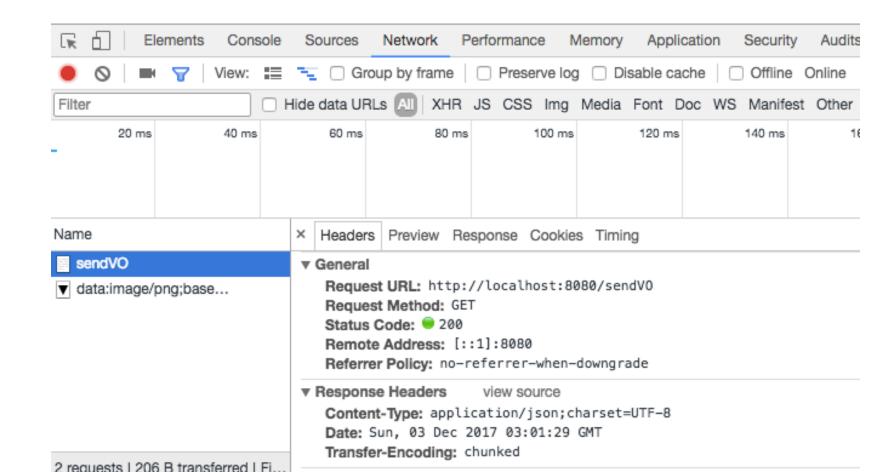
```
@JsonIgnoreProperties({ "num", "name" })
public class MessageV0 {
    int number;
    String message;
    String status;
    String code;
    int num;
    String name;
    @JsonIgnore
    Date datetime;
```

VO 객체 생성

```
@JsonProperty("statusCode")
public String getCode() {
    return code;
public void setCode(String code) {
    this.code = code;
public Date getDatetime() {
    return datetime;
@JsonIgnore
public void setDatetime(Date datetime) {
    this.datetime = datetime;
```

/sendVO

```
@Inject
public MessageV0 vo;
@RequestMapping("/sendV0")
public MessageV0 sendV0() {
    vo.setCode("00");
    vo.setMessage("json 객체로 전송");
    return vo;
```



/listVO

```
@RequestMapping("/listV0")
public List<MessageV0> listV0() {
    List<MessageVO> list = new ArrayList<MessageVO>();
    for (int i = 0; i < 10; i++) {
        vo.setNumber(i);
        vo.setCode("00");
        vo.setMessage("json 객체로 전송");
        list.add(vo);
    return list;
```

"status": null, "statusCode": "00"

/mapVO

```
@RequestMapping("/mapV0")
public Map<Integer, MessageVO> mapV0() {
    Map<Integer, MessageVO> map = new HashMap<Integer, MessageVO>();
    for (int i = 0; i < 10; i++) {
        vo.setNumber(i);
        vo.setCode("00");
        vo.setMessage("json 객체로 전송");
        map.put(i, vo);
    }
    return map;
}
```

```
🗎 index.htm 🧋 KKWAK_DashBoard... 🤟 Projects · Dashboar... 🥌 Bookmarks 🗎 업무
▼ "0": {
     "number": 9,
     "message": "json 객체로 전송",
     "status": null,
     "statusCode": "00"
  },
▼ "1": {
     "number": 9,
     "message": "json 객체로 전송",
     "status": null,
     "statusCode": "00"
▼ "2": {
     "number": 9,
     "message": "json 객체로 전송",
     "status": null,
     "statusCode": "00"
  },
     "number": 9,
     "message": "json 객체로 전송",
     "status": null,
     "statusCode": "00"
```

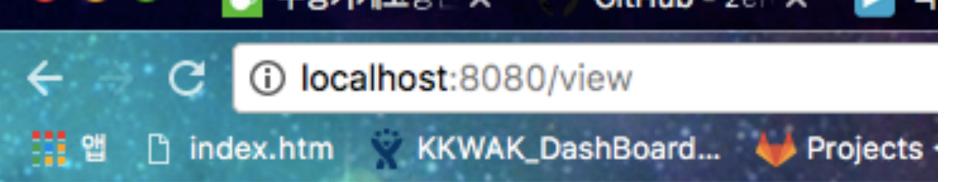
"number": 9,

"message" · "ison 갠체로 전송"

/view

```
@RequestMapping("/view")
public ModelAndView view() {
    ModelAndView mv = new ModelAndView();
    mv.setViewName("home");
    return mv;
}
```

리턴타입 ModelAndView



Hello world!

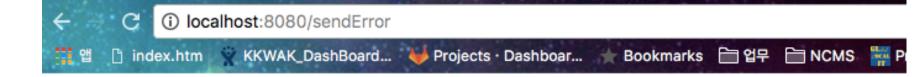
The time on the server is .

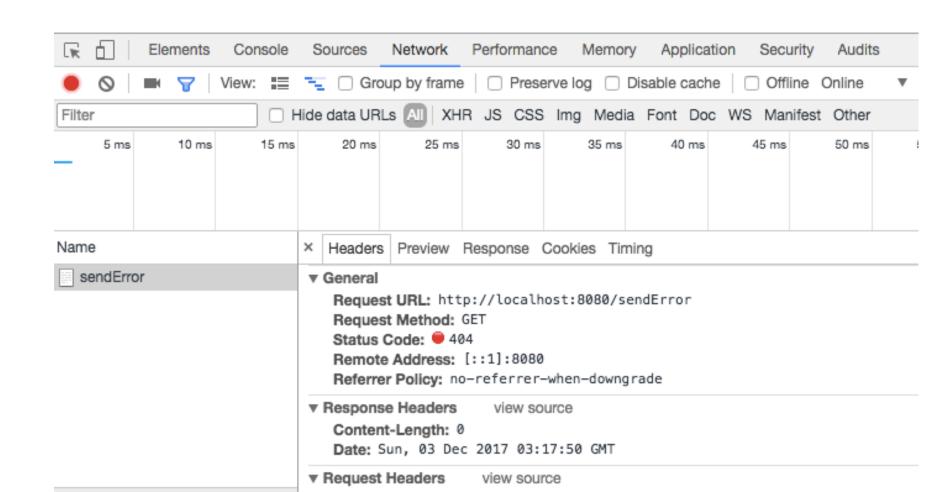
@ResponseEntity

/sendError

```
@RequestMapping("/sendError")
public ResponseEntity<Void> sendError() {
    return new ResponseEntity<Void>(HttpStatus.NOT_FOUND);
}
```

Status code 만 전송

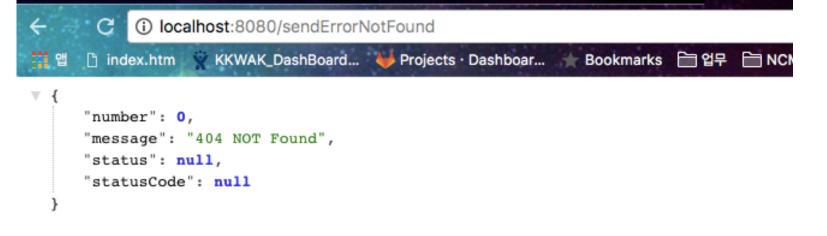


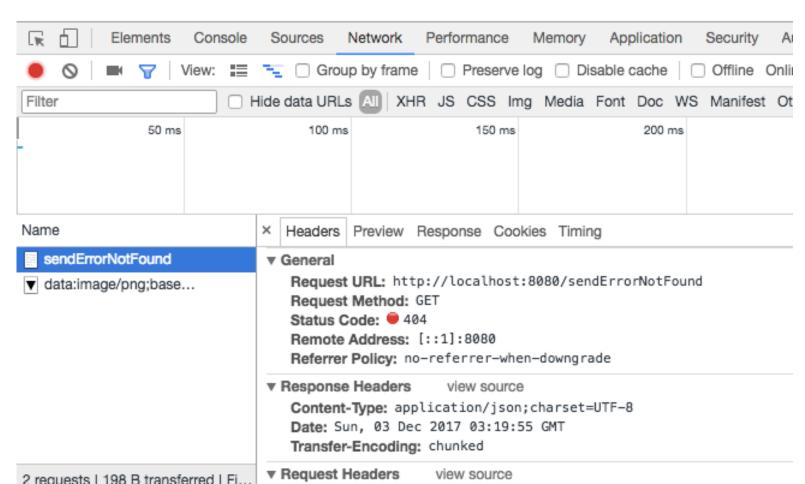


/sendErrorNotFound

```
@RequestMapping("/sendErrorNotFound")
public ResponseEntity<MessageV0> sendErrorNotFound() {
    vo.setMessage("404 NOT Found");
    return new ResponseEntity<MessageV0>(vo, HttpStatus.NOT_FOUND);
}
```

에러메시지도 전송





/sendErrorBad

```
@RequestMapping("/sendErrorBad")
@ResponseStatus(value=HttpStatus.BAD_GATEWAY)
public MessageVO sendErrorBad() {
   vo.setMessage("Bad Gateway");
   return vo;
}
```

리턴타입: json 객체

