链滴

spring 全局异常处理

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原文链接：https://ld246.com/article/1546434209772

来源网站：

许可协议：

```java
package cn.com.cs.core.exception;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

import org.springframework.http.HttpStatus;

import org.springframework.http.converter.HttpMessageNotReadableException;

import org.springframework.validation.BindException;

import org.springframework.validation.BindingResult;

import org.springframework.validation.FieldError;

import org.springframework.web.HttpMediaTypeNotSupportedException;

import org.springframework.web.HttpRequestMethodNotSupportedException;

import org.springframework.web.bind.MethodArgumentNotValidException;

import org.springframework.web.bind.MissingServletRequestParameterException;

import org.springframework.web.bind.annotation.ControllerAdvice;

import org.springframework.web.bind.annotation.ExceptionHandler;

import org.springframework.web.bind.annotation.ResponseBody;

import org.springframework.web.bind.annotation.ResponseStatus;

import org.springframework.web.servlet.NoHandlerFoundException;

import javax.validation.ConstraintViolation;

import javax.validation.ConstraintViolationException;

import javax.xml.bind.ValidationException;

import java.util.Set;

/**

* 异常处理类

*/

@ControllerAdvice

@ResponseBody

public class CommonExceptionAdvice {
```

```
`private` `static` `Logger logger = LoggerFactory.getLogger(CommonExceptionAdvice.``class``);

`/**`

`* 400 - Bad Request`

`*/`

`@ResponseStatus``(HttpStatus.BAD_REQUEST)`

`@ExceptionHandler``(MissingServletRequestParameterException.``class``)`

`public` `String handleMissingServletRequestParameterException(MissingServletRequestParameterException e) {`

`logger.error(``"缺少请求参数"``, e);`

`return` `"缺少请求参数"``;`

`}`

`/**`

`* 400 - Bad Request`

`*/`

`@ResponseStatus``(HttpStatus.BAD_REQUEST)`

`@ExceptionHandler``(HttpMessageNotReadableException.``class``)`

`public` `String handleHttpMessageNotReadableException(HttpMessageNotReadableException e) {`

`logger.error(``"参数解析失败"``, e);`

`return` `"参数解析失败"``;`

`}`

`/**`

`* 400 - Bad Request`

`*/`

`@ResponseStatus``(HttpStatus.BAD_REQUEST)`

`@ExceptionHandler``(MethodArgumentNotValidException.``class``)`

`public` `String handleMethodArgumentNotValidException(MethodArgumentNotValidException e) {`
```

```java
logger.error(`"参数验证失败"`, e);

BindingResult result = e.getBindingResult();

FieldError error = result.getFieldError();

String field = error.getField();

String code = error.getDefaultMessage();

String message = String.format(`"%s:%s"`, field, code);

return `"参数验证失败="`+message;

}

/**

* 400 - Bad Request

*/

@ResponseStatus(HttpStatus.BAD_REQUEST)

@ExceptionHandler(BindException.class)

public String handleBindException(BindException e) {

logger.error(`"参数绑定失败"`, e);

BindingResult result = e.getBindingResult();

FieldError error = result.getFieldError();

String field = error.getField();

String code = error.getDefaultMessage();

String message = String.format(`"%s:%s"`, field, code);

return `"参数绑定失败="`+message;

}

/**

* 400 - Bad Request

*/

@ResponseStatus(HttpStatus.BAD_REQUEST)

@ExceptionHandler(ConstraintViolationException.class)
```

```java
public String handleServiceException(ConstraintViolationException e) {
logger.error("参数验证失败", e);
Set> violations = e.getConstraintViolations();
ConstraintViolation violation = violations.iterator().next();
String message = violation.getMessage();
return "参数验证失败" + message;
}
/**
 * 400 - Bad Request
 */
@ResponseStatus(HttpStatus.BAD_REQUEST)
@ExceptionHandler(ValidationException.class)
public String handleValidationException(ValidationException e) {
logger.error("参数验证失败", e);
return "参数验证失败";
}
/**
 * 404 - Not Found
 */
@ResponseStatus(HttpStatus.NOT_FOUND)
@ExceptionHandler(NoHandlerFoundException.class)
public String noHandlerFoundException(NoHandlerFoundException e) {
logger.error("Not Found", e);
return "Not Found="+e;
}
/**
 * 405 - Method Not Allowed
```

`*/`

`@ResponseStatus``(HttpStatus.METHOD_NOT_ALLOWED)`

`@ExceptionHandler``(HttpRequestMethodNotSupportedException.``class``)`

`public` `String handleHttpRequestMethodNotSupportedException(HttpRequestMethodNotSpportedException e) {`

`logger.error(``"不支持当前请求方法"``, e);`

`return` `"request_method_not_supported"``;`

`}`

`/**`

`* 415 - Unsupported Media Type`

`*/`

`@ResponseStatus``(HttpStatus.UNSUPPORTED_MEDIA_TYPE)`

`@ExceptionHandler``(HttpMediaTypeNotSupportedException.``class``)`

`public` `String handleHttpMediaTypeNotSupportedException(HttpMediaTypeNotSupportedEception e) {`

`logger.error(``"不支持当前媒体类型"``, e);`

`return` `"content_type_not_supported"``;`

`}`

`/**`

`* 业务层需要自己声明异常的情况`

`*/`

`@ResponseStatus``(HttpStatus.INTERNAL_SERVER_ERROR)`

`@ExceptionHandler``(ServiceException.``class``)`

`public` `String handleServiceException(ServiceException e) {`

`logger.error(``"业务逻辑异常"``, e);`

`return` `"业务逻辑异常："``+ e.getMessage();`

`}`

`/**`

```
`* 操作数据或库出现异常`

`*/`

`@ResponseStatus``(HttpStatus.INTERNAL_SERVER_ERROR)`

`@ExceptionHandler``(DataDoException.``class``)`

`public` `String handleException(DataDoException e) {`

`logger.error(``"操作数据库出现异常:"``, e);`

`return` `"操作数据库出现异常：字段重复、有外键关联等"``;`

`}`

`/**`

`* 500 - Internal Server Error`

`*/`

`/* @ResponseStatus(HttpStatus.INTERNAL_SERVER_ERROR)`

`@ExceptionHandler(Exception.class)`

`public String handleException(Exception e) {`

`logger.error("通用异常", e);`

`return "500通用异常：" + e.getMessage();`

`}*/`

`/**`

`* 获取其它异常。包括500`

`* @param e`

`* @return`

`* @throws Exception`

`*/`

`@ExceptionHandler``(value = Exception.``class``)`

`public` `String defaultErrorHandler(Exception e){`

`logger.error(``"Exception"``, e);`

`return``"其它异常："``+ e.getMessage();`
```

```
}
```