

Mini exercises

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Exception handling

1. What happens if the code inside a controller throws an exception or something else unexpected happens?
2. Read this article:
<https://spring.io/blog/2013/11/01/exception-handling-in-spring-mvc>
3. Create a new project and a controller with a simple view.
4. In the controller, create an action method that throws an exception
5. View the page, what output do you get on the screen?
6. Now try the different option for catching exception, both on a controller level and on a global level.
7. Global level exception handling is a must to have, because many exceptions might be thrown by the framework itself and these exception will usually not be caught by the exception handling in the controllers.

References:

- <http://stackoverflow.com/questions/11245932/how-to-handle-exceptions-thrown-while-rendering-a-view-in-spring-mvc?rq=1>
- <http://docs.spring.io/spring/docs/current/spring-framework-reference/html/mvc.html#mvc-exceptionhandlers>

Global 404 handling

1. A properly implemented web-application should always return a page with status code 404 when it receives a request to a page not found. Examine this page in Fiddler:
<http://www.google.se/xxxx>
2. Implement the same in your project, you can implement this in different ways, **try to find the best way!???**
 - Suitable references:
<http://stackoverflow.com/questions/23580509/how-to-write-a-proper-global-error-handler-with-spring-mvc-spring-boot>

Per action method 404 handling

1. We can also choose to return 404 manually, when for example a provide ID is not found in the database.
2. Create a new page like **/Orders/OrderID** that can accept requests like **/orders/123**
3. Add the logic so that it displays the 404 page when the ID is <1 or >1000
4. When the ID is between 1-1000 then display a “hello world” message

Also read:

- Should we redirect to a 404 page?
<http://ux.stackexchange.com/questions/31569/>
- Is it worth having custom 404 pages for different features of a web app?
<http://ux.stackexchange.com/questions/72317>
- HTTP Status Codes
<https://moz.com/learn/seo/http-status-codes>
- SEO and 404 error redirection
<http://stackoverflow.com/questions/9631763/>

Favicon

1. When you inspect the traffic in Fiddler, you often see a request to favicon.ico
2. Read about what it is here:
 - Favicon
<https://en.wikipedia.org/wiki/Favicon>
 - Creating a favicon
<https://stackoverflow.com/questions/1547150>
3. Try to create your own and add it to your website and see if it works!

