Saya mempelajari string yang di-return harus sesuai dengan nama file yang akan ditampilkan di browser. Nama method juga tidak memengaruhi hasil page yang ditampilkan. Jika nama method sama dengan return value tidak akan terjadi masalah. Jika RequestMapping tidak sesuai dengan link yang ditampilkan(misal @RequestMapping("/hello123") dan localhost:8080/hello) maka akan menampilkan whitelabel error page. Dengan menggunakan atribut th:text dari thymeleaf, text yang berada pada tag paragraph akan digantikan oleh text yang ada di th:text.

Latihan Project Hello World

Tidak compile error.

```
Hasilnya menampilkan halaman berisi whitelabel error page
                m tutorial/pom.xml

■ TutorialApplication.java
                                                              package com.example.demo.controller;
   30 import org.springframework.stereotype.Controller;
   4 import org.springframework.web.bind.annotation.RequestMapping;
   6 @Controller
   7 public class PageController {
         @RequestMapping("/hello123")
         public String index()
  10
              return "hello";
  11
  12
  13
      localhost
              (i) localhost:8080/hello
```

Whitelabel Error Page

This application has no explicit mapping for /error, so you are seeing this as a fallback.

Wed Sep 13 09:32:19 ICT 2017
There was an unexpected error (type=Not Found, status=404).
No message available

Tidak compile error.
 Ya, page hello yang sebelumnya muncul

```
Dashboard
                m tutorial/pom.xml
                                     J Tutorial Application. java
                                                                📝 PageController.java 🖂
     package com.example.demo.controller;
  30 import org.springframework.stereotype.Controller;
  4 import org.springframework.web.bind.annotation.RequestMapping;
  6 @Controller
  7 public class PageController {
         @RequestMapping("/hello")
         public String hello()
 10
             return "hello";
 11
 12
 13
    }
 14
     First Page
              (i) localhost:8080/hello
```

Hello, world!

3. Tidak compile error.
Page yang muncul adalah halaman yang tulisannya whitelabel error page.

```
m tutorial/pom.xml

☑ TutorialApplication.java
                                                         1 package com.example.demo.controller;
 30 import org.springframework.stereotype.Controller;
 4 import org.springframework.web.bind.annotation.RequestMapping;
 6 @Controller
   public class PageController {
       @RequestMapping("/hello")
       public String index()
10
11
           return "hello123";
12
13 }
14
```



Whitelabel Error Page

This application has no explicit mapping for /error, so you are seeing this as a fallback.

Wed Sep 13 09:44:35 ICT 2017

There was an unexpected error (type=Internal Server Error, status=500).

Error resolving template "hello123", template might not exist or might not be accessible by any of the configured Template Resolvers

String yang di-return menandakan file yang akan ditampikan pada browser. Contoh jika ada file hello .html dan return "hello", maka jika memanggil localhost:8080/hello maka akan menampilkan page hello.html, sedangkan jika yang di return "hello123" tampilannya menjadi whitelabel error page

Latihan Request Parameter

1. Page menampilkan halaman yang berisi tulisan Selamat datang chanek!

```
J Tutorial Application.j...
                                                          m tutorial/pom.xml
                                                                                hello.
 package com.example.demo.controller;
 30 import org.springframework.stereotype.Controller;
 4 import org.springframework.ui.Model;
 5 import org.springframework.web.bind.annotation.RequestMapping;
 6 import org.springframework.web.bind.annotation.RequestParam;
 8 @Controller
 9 public class PageController {
100
       @RequestMapping("/hello")
11
       public String index()
12
           return "hello";
13
14
15
169
       @RequestMapping("/hello/greeting")
17
       public String greeting (@RequestParam(value="name") String name, Model model)
18
19
           model.addAttribute("name", name);
20
           return "greeting";
21
22 }
23
```



Selamat datang chanek!

2. Page menampilkan whitelabel error page

```
Dashboard

☑ TutorialApplication.j...

☑ PageController.java 
☒
               m tutorial/pom.xml
  package com.example.demo.controller;
  30 import org.springframework.stereotype.Controller;
  4 import org.springframework.ui.Model;
  5 import org.springframework.web.bind.annotation.RequestMapping;
  6 import org.springframework.web.bind.annotation.RequestParam;
  8 @Controller
  9 public class PageController {
 100
         @RequestMapping("/hello")
 11
         public String index()
 12
         {
             return "hello";
 13
 14
 15
 160
         @RequestMapping("Vgreeting")
         public String greeting (@RequestParam(value="name") String name, Model model)
 17
 18
             model.addAttribute("name", name);
 19
 20
             return "greeting";
 21
         }
 22 }
 23
```



Whitelabel Error Page

This application has no explicit mapping for /error, so you are seeing this as a fallback.

Wed Sep 13 10:16:55 ICT 2017
There was an unexpected error (type=Bad Request, status=400).
Required String parameter 'name' is not present

Page yang ditampilkan yaitu Selamat datang null! ☑ TutorialApplication.j... ☑ PageController.java
☒
☐ hello.html Dashboard m tutorial/pom.xml package com.example.demo.controller; 30 import org.springframework.stereotype.Controller; 4 import org.springframework.ui.Model; 5 import org.springframework.web.bind.annotation.RequestMapping; 6 import org.springframework.web.bind.annotation.RequestParam; public class PageController { 109 @RequestMapping("/hello") public String index() 11 12 13 return "hello"; 14 } 15 @RequestMapping("/greeting") 160 public String greeting (@RequestParam(value = |name", required = false) String name, Model model) 17 18 model.addAttribute("name", name); 19 20 return "greeting"; 21 22 } Second Page C (i) localhost:8080/greeting

Selamat datang null!

3. Page akan menampilkan halaman berisi Selamat datang dunia!



Selamat datang dunia!

4. Tulisan sapaan untuk user tidak pernah muncul karena adanya th:text yang merupakan atribut yang berasal dari thymeleaf. Atribut ini mengevaluasi expresi nilai dan menentukan hasil tag tersebut dan menggantikan tulisan sapaan untuk user

Path Variable

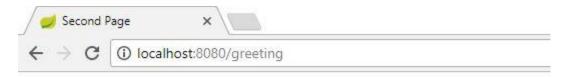
1. Menampilkan halaman yang berisi Selamat dating dunia!

```
💋 Dashboard 📓 tutorial/pom.xml 🚺 TutorialApplication.java 🚺 PageController.java 🛭 🖺 hello.html 🖺 greeting.html
      package com.example.demo.controller;
   30 import org.springframework.stereotype.Controller;
   4 import org.springframework.ui.Model;
5 import org.springframework.web.bind.annotation.PathVariable;
   import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestParam;
   9 @Controller
  10 public class PageController {
           @RequestMapping("/hello")
           public String index()
  12
  14
                return "hello";
  15
          @RequestMapping("/greeting")
public String greeting (@RequestParam(value = "name", required = false, defaultValue = "dunia") String name, Model model)
  19
                model.addAttribute("name", name);
  20
  21
                return "greeting";
  22
          }
 24<sup>(2)</sup>
25
26
          @RequestMapping("/greeting/{name}")
public String greetingPath(@PathVarliable String name, Model model)
                model.addAttribute("name", name);
                return "greeting";
  30
          Second Page
                                                       Arsitektur dan Pemrogra X
                 C
                         (i) localhost:8080/greeting
```

Selamat datang dunia!

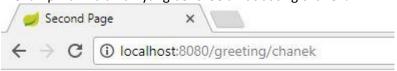
Menampilkan halaman yang berisi Selamat dating dunia!

```
Dashboard
                   m tutorial/pom.xml
                                           ☐ TutorialApplication.java ☐ PageController.java ☒ 🗟 hello.html 🖹 greeting.html
   3@ import java.util.Optional;
   5 import org.springframework.stereotype.Controller;
   6 import org.springframework.ui.Model;
7 import org.springframework.web.bind.a
     import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.RequestMapping;
   9 import org.springframework.web.bind.annotation.RequestParam;
 11 @Controller
     public class PageController {
           @RequestMapping("/hello")
public String index()
 15
                return "hello";
 16
  17
  18
           @RequestMapping("/greeting")
           public String greeting (@RequestParam(value = "name", required = false, defaultValue = "dunia") String name, Model model) {
  20
                model.addAttribute("name", name);
  22
                return "greeting";
 24
25
           @RequestMapping("/greeting/{name}")
public String greetingPath(@PathVariable Optional<String> name, Model model)
 26<del>0</del>
27
                if(name.isPresent()) {
   model.addAttribute[["name", name.get()]);
                } else {
                     model.addAttribute("name", "dengklek");
                return "greeting";
```



Selamat datang dunia!

Menampilkan halaman yang berisi Selamat dating chanek!



Selamat datang chanek!