

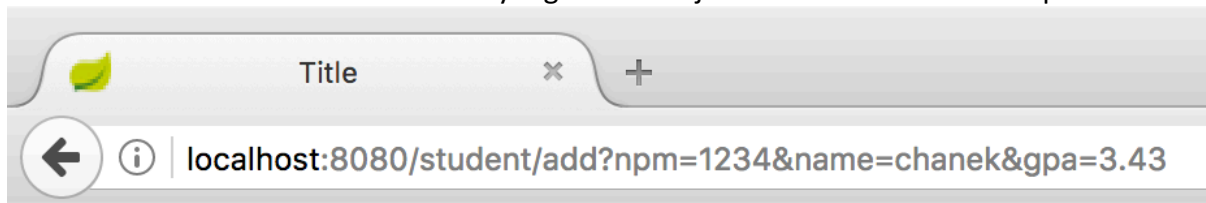
## WRITE UP

Ringkasan materi yg dipelajari:

Cara bikin model, service, service database (versi pake memori yg malah agak bikin bingung awalnya tapi ok bisa ngerti akhirnya), cara bikin controller, basically semuanya udh pernah di propensi sih jadi mayan ga begitu clueless. Intinya model itu mendefinisikan objek, trus service itu interface untuk method2 dari model tertentu, inmemoryservice itu mirip2 service database cuma disini blom pake database aja jadi disitu didefinisikan method2nya, terus controller yang bagian mapping url gitu (?) gatau bahasanya gimana intinya yg itudeh hehe

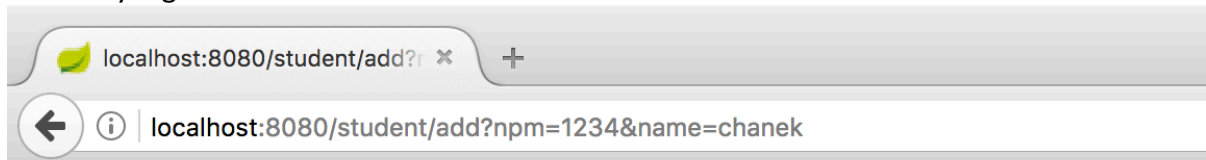
Jawaban tutorial:

1. Halaman add.html berhasil dimuat yang berarti objek student berhasil tersimpan ke list



## Data berhasil ditambahkan

2. Whitelabel error karena parameter gpa tidak ada sehingga tidak bisa membuat objek student yang utuh



## Whitelabel Error Page

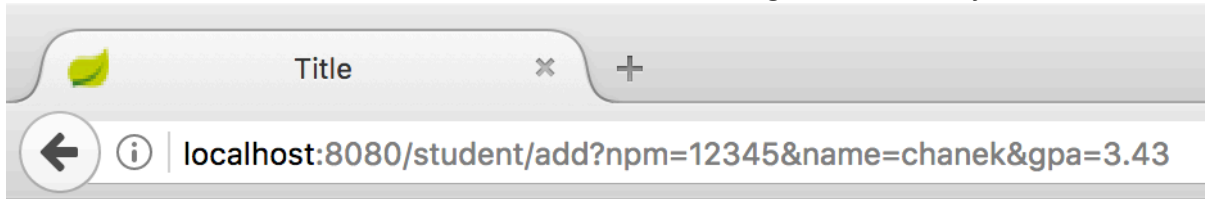
This application has no explicit mapping for /error, so you are seeing this as a fallback.

Sat Sep 23 22:04:30 WIB 2017

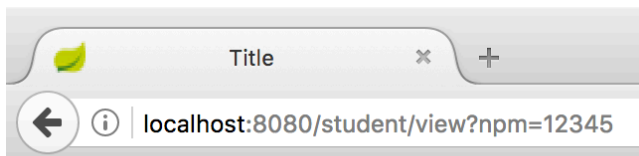
There was an unexpected error (type=Bad Request, status=400).

Required double parameter 'gpa' is not present

3. Setelah berhasil ditambahkan, data student muncul dengan baik-baik saja



## Data berhasil ditambahkan

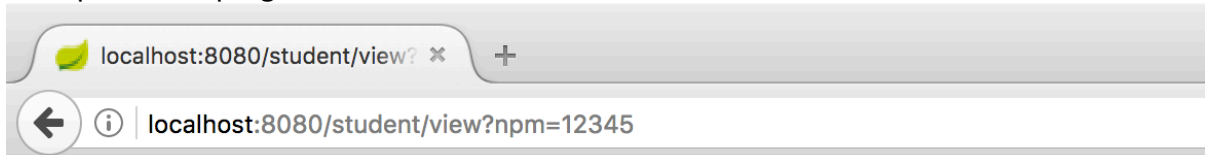


**NPM = 12345**

**Name = chanek**

**GPA = 3.43**

4. Data student tidak ditemukan setelah program direstart karena memori ArrayList akan terhapus ketika program dimatikan



## Whitelabel Error Page

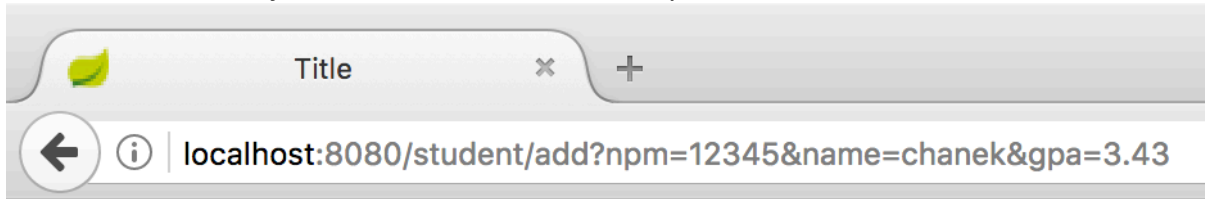
This application has no explicit mapping for /error, so you are seeing this as a fallback.

Sat Sep 23 22:11:22 WIB 2017

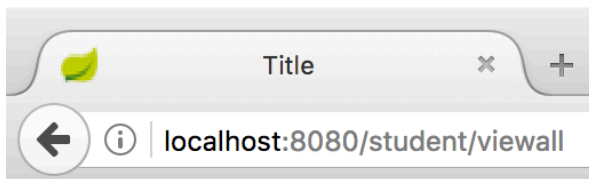
There was an unexpected error (type=Not Found, status=404).

No message available

5. Muncul-muncul saja setelah diadd alhamdulillah yah



## Data berhasil ditambahkan



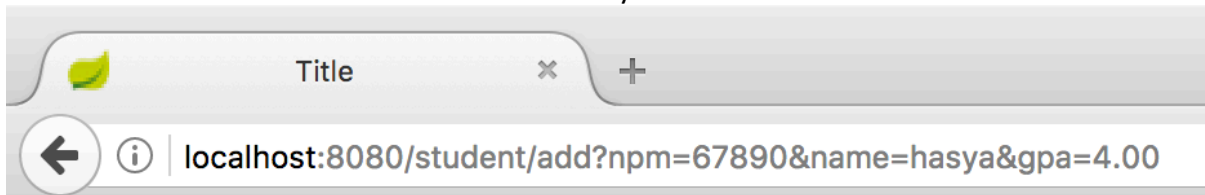
**No. 1**

**NPM = 12345**

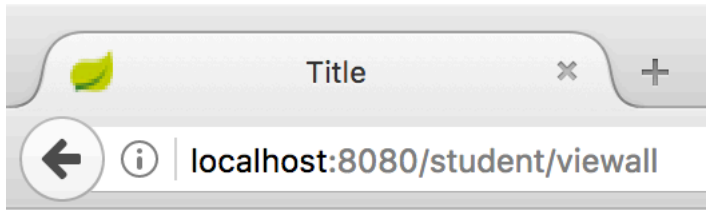
**Name = chanek**

**GPA = 3.43**

6. Setelah ditambah data student baru semuanya muncul di halaman viewall



## Data berhasil ditambahkan



**No. 1**

**NPM = 12345**

**Name = chanek**

**GPA = 3.43**

**No. 2**

**NPM = 67890**

**Name = hasya**

**GPA = 4.0**

Implementasi method selectStudent

```
@Override
public StudentModel selectStudent(String npm) {
    for (StudentModel student: studentList){
        if(student.getNpm().equals(npm)){
            return student;
        }
    }
    return null;
}
```

Tahap mengerjakan latihan

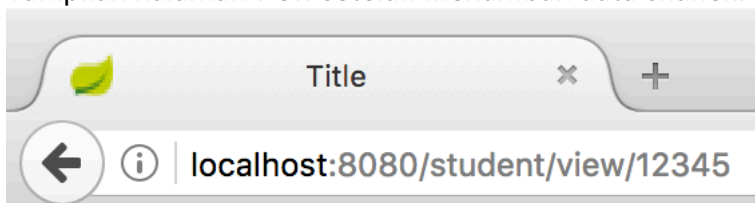
1. Pertama-tama saya copy paste controller view yang pakai @RequestParam lalu saya ganti jadi @PathVariable. Saya juga menambahkan if statement untuk kondisi student ditemukan dan tidak ditemukan

```
@RequestMapping("/student/view/{npm}")
public String viewPath(Model model, @PathVariable(value = "npm") String npm) {
    StudentModel student = studentService.selectStudent(npm);
    if(student != null){
        model.addAttribute("student", student);
        return "view";
    } else {
        model.addAttribute("npm", npm);
        return "error";
    }
}
```

Halaman error.html

```
error.html x
1 <!DOCTYPE html>
2 <html lang="en" xmlns:th="http://www.thymeleaf.org">
3 <head>
4 <meta charset="UTF-8"></meta>
5 <title>Title</title>
6 </head>
7 <body>
8 <h3 th:text="'Student with NPM ' + ${npm} + ' not found!'"></h3>
9 </body>
10 </html>
```

Tampilan halaman view setelah menambah data chanek:

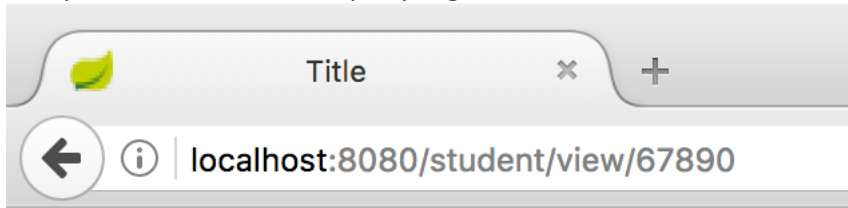


**NPM = 12345**

**Name = chanek**

**GPA = 3.43**

Tampilan ketika mencari npm yang tidak ada:



## Student with NPM 67890 not found!

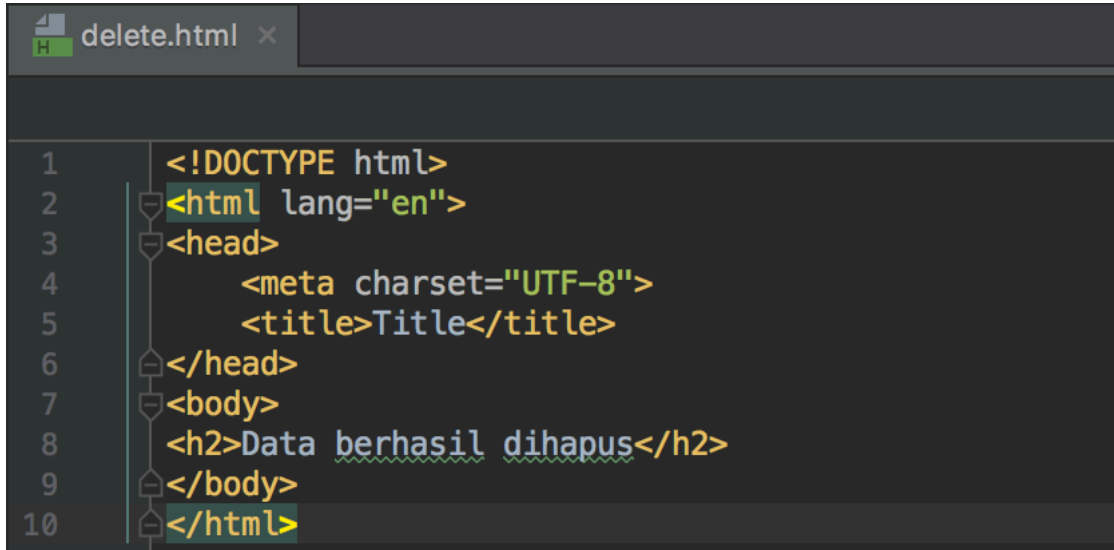
2. Method delete student:

```
@Override
public void deleteStudent(String npm){
    int index = 0;
    for (StudentModel student: studentList){
        if(student.getNpm().equals(npm)){
            studentList.remove(index);
            break;
        }
    }
}
```

Controller untuk delete student:

```
@RequestMapping("/student/delete/{npm}")
public String delete(Model model, @PathVariable(value = "npm") String npm) {
    StudentModel student = studentService.selectStudent(npm);
    if(student != null){
        studentService.deleteStudent(npm);
        return "delete";
    } else {
        model.addAttribute("npm", npm);
        return "error";
    }
}
```

delete.html:



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>Title</title>
6 </head>
7 <body>
8   <h2>Data berhasil dihapus</h2>
9 </body>
10</html>
```

Tapi entah kenapa kalau didelete ngedirectnya langsung ke page error padahal datanya kehapus pas dicek di viewall ;\_; karna udh mepet deadline yaudah pasrah huhu plis jgn dikurangin banyak2 dong kan w cuma fail nampilin notifnya doang methodnya works just fine kookkkk huhuhu