



TUTORIAL 07

Web Service



UNIVERSITAS
INDONESIA

Veritas, Probitas, Iustitia

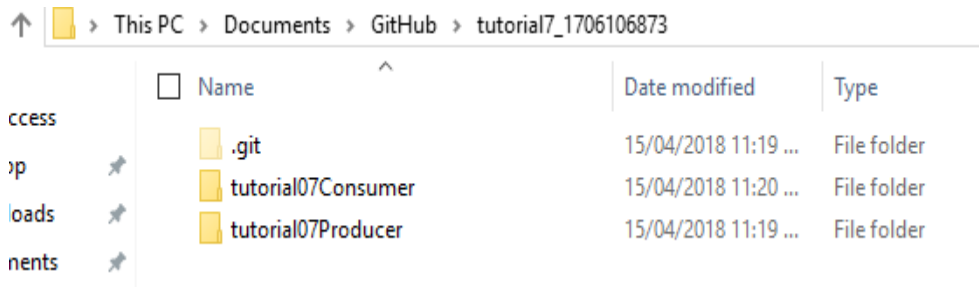
— EST. 1849 —

NAOMI OLGA PANJAITAN

1706106873

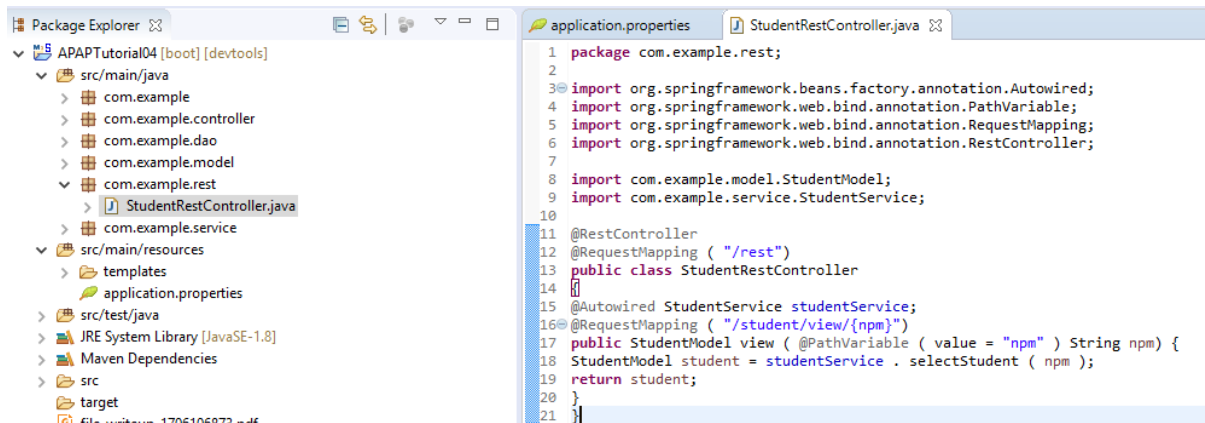
Ekstensi

I Persiapan folder dan git

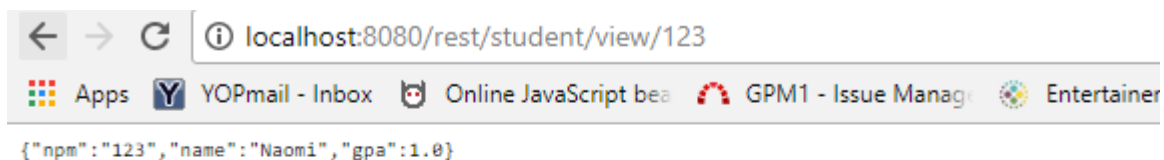


II Membuat Service Producer

Mengerjakan langkah – langkah seperti pada tutorial



Menampilkan url <http://localhost:8080/rest/student/view/123>



III Latihan 1

Latihan 1: Buatlah *service* untuk mengembalikan seluruh student yang ada di basis data. *Service* ini mirip seperti *method* *viewAll* di Web Controller. *Service* tersebut di-mapping ke *“/rest/student/viewall”*.

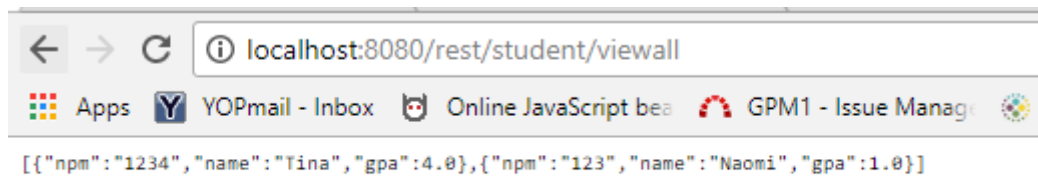
Tambahan method : menambah request mapping untuk view all dengan menambah method yang mengembalikan list student

```

@RequestMapping("/student/viewall")
public List<StudentModel> view ()
{
    List<StudentModel> student = studentService.selectAllStudents ();
    return student;
}
}

```

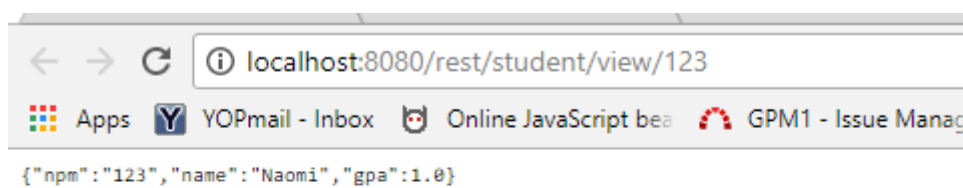
Hasil



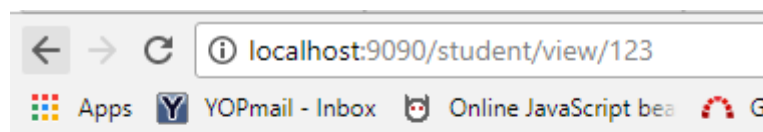
IV Membuat Service Consumer

Mengikuti langkah – langkah pada tutorial

Produser



Consumer



NPM = 123

Name = Naomi

GPA = 1.0

V Latihan 2

Latihan 2: Implementasikan *service consumer* untuk view all Students dengan melengkapi *method* selectAllStudents yang ada di kelas **StudentServiceRest**

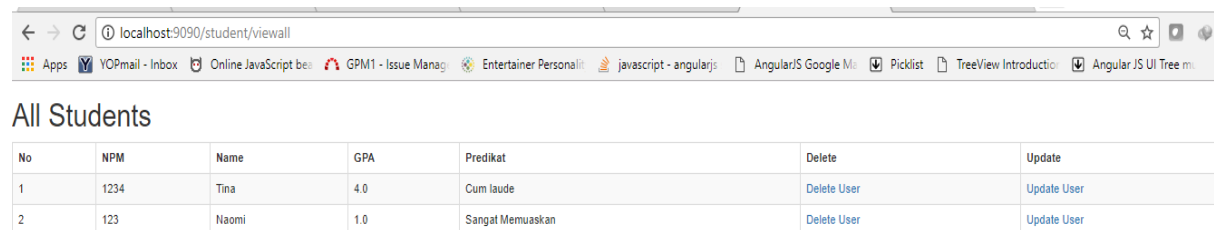
```

@Override
public List<StudentModel> selectAllStudents ()
{
    String url = "http://localhost:8080/rest/student/viewall";
    ResponseEntity<StudentModel[]> students = restTemplate.getForEntity(url, StudentModel[].class);
    return Arrays.asList(students.getBody());
}

@RequestMapping("/student/viewall")
public List<StudentModel> view ()
{
    List<StudentModel> student = studentService.selectAllStudents ();
    return student;
}

```

Hasil :



No	NPM	Name	GPA	Predikat	Delete	Update
1	1234	Tina	4.0	Cum laude	Delete User	Update User
2	123	Naomi	1.0	Sangat Memuaskan	Delete User	Update User