

Latihan

1. Menambahkan dan cetak nama user untuk halaman student/view/{npm}

Tampilan di codingan:

```
<h2 th:text="'Login as ' + ${#httpServletRequest.remoteUser}">Login as</h2>
<form th:action="@{/logout}" method="post">
  <input type="submit" value="Sign Out" />
</form>
<h3 th:text="'NPM = ' + ${student.npm}">Student NPM</h3>
<h3 th:text="'Name = ' + ${student.name}">Student Name</h3>
<h3 th:text="'GPA = ' + ${student.gpa}">Student GPA</h3>
```

Tampilan view:

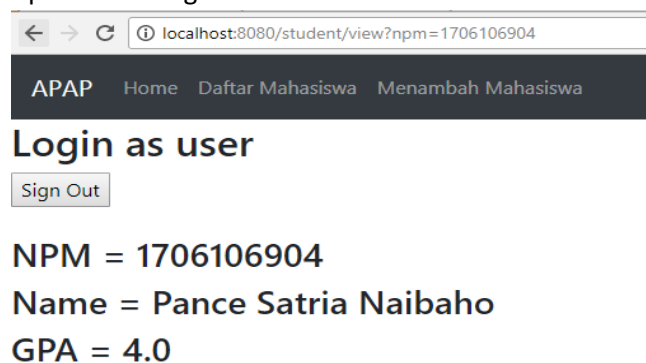


2. Membuat user baru dengan username "user", password "user", dan role "user".

Tampilan codingan:

```
@Autowired
public void configureGlobal(AuthenticationManagerBuilder auth) throws Exception {
    auth.inMemoryAuthentication()
        .withUser("admin").password("admin")
        .roles("ADMIN")
        .and()
        .withUser("user").password("user")
        .roles("USER");
}
```

Apakah bisa login? Bisa



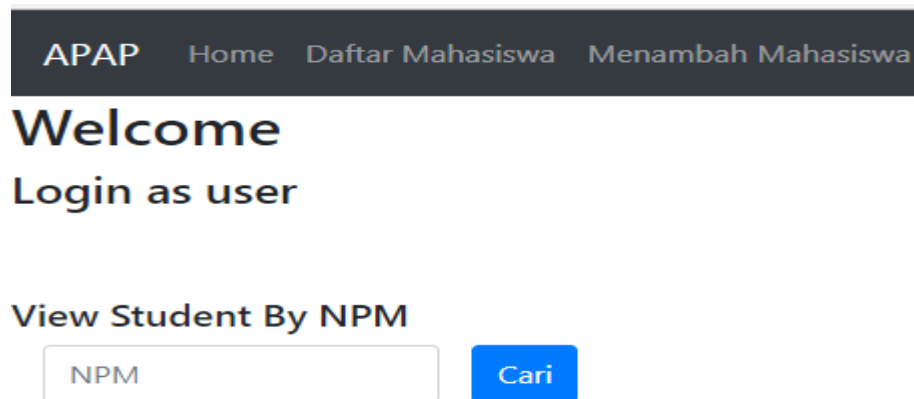
3. Menampilkan menu view student by npm beserta input field dan button untuk memasukan nomor npm student yang ingin dicari pada halaman index user dengan role USER.

Code:

```
<div th:if="${#httpServletRequest.isUserInRole('USER')}">

    <form class="form-inline" th:action="@{/student/view}" method="get">
        <div class="form-group mx-sm-3 mb-2">
            <input
                type="text" class="form-control" id="npm" name="npm"
                placeholder="NPM"/>
        </div>
        <button type="submit" class="btn btn-primary mb-2">Cari</button>
    </form>
</div>
```

Hasil:



4. Membuat agar user dengan role ADMIN dapat melihat view all student dan view student by npm juga.

Code:

Pada class WebSecurityConfig:

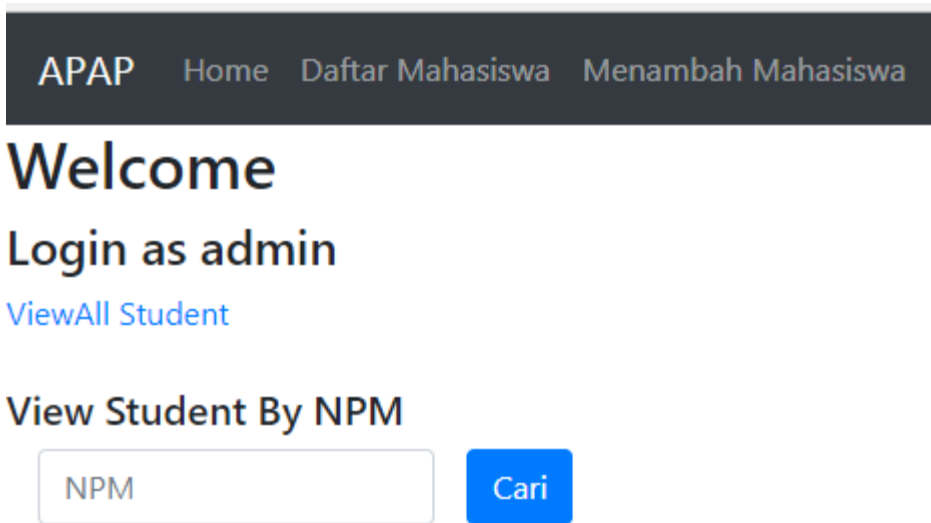
```
.antMatchers("/student/view/**").hasAnyRole("USER", "ADMIN")
```

Pada index.html:

```
<a th:if="${#httpServletRequest.isUserInRole('ADMIN')}"
    href="/student/viewall">ViewAll Student</a>
<br/><br/>
<h5>View Student By NPM</h5>
<div th:if="${#httpServletRequest.isUserInRole('ADMIN')}">

    <form class="form-inline" th:action="@{/student/view}" method="get">
        <div class="form-group mx-sm-3 mb-2">
            <input
                type="text" class="form-control" id="npm" name="npm"
                placeholder="NPM"/>
        </div>
        <button type="submit" class="btn btn-primary mb-2">Cari</button>
    </form>
</div>
```

Hasil:



The screenshot shows a web application interface. At the top, there is a dark navigation bar with the text 'APAP' in white, followed by links: 'Home', 'Daftar Mahasiswa', and 'Menambah Mahasiswa'. Below the navigation bar, the word 'Welcome' is displayed in a large, bold, black font. Underneath 'Welcome', the text 'Login as admin' is shown in a smaller black font, followed by a blue link 'ViewAll Student'. Further down, the text 'View Student By NPM' is displayed in a bold black font. Below this text, there is a search form consisting of a light gray input field with the placeholder text 'NPM' and a blue button with the text 'Cari'.

Hasil Pembelajaran:

Pada tutorial ini saya mempelajari bagaimana mengimplementasikan otentikasi dan otorisasi sederhana menggunakan dependency Spring Boot Starter Security.