



Spring Security

Role based Authorization

Authentication vs Authorization

Authentication is the process of verifying the identity of a user. It ensures that the user is who they claim to be. Authentication typically involves validating credentials, such as a username and password, and creating a security context for the user.

Authorization is the process of determining whether an authenticated user has the necessary permissions to access a particular resource or perform an action. It controls what an authenticated user can or cannot do.

Who are you – Authentication

What can you do – Authorization

Request Matchers

```
httpSecurity
    .authorizeHttpRequests(matcherRegistry -> matcherRegistry
        .requestMatchers(...patterns: "/admin/**").hasRole("ADMIN")
        .requestMatchers(HttpMethod.GET, ...patterns: "/wallet").hasAnyRole(...roles: "RIDER", "DRIVER")
        .requestMatchers(HttpMethod.POST, ...patterns: "/wallet").hasAuthority("WALLET_CREATE")
        .requestMatchers(...patterns: "/auth/**", "/error/*").permitAll()
        .anyRequest().authenticated())
```

