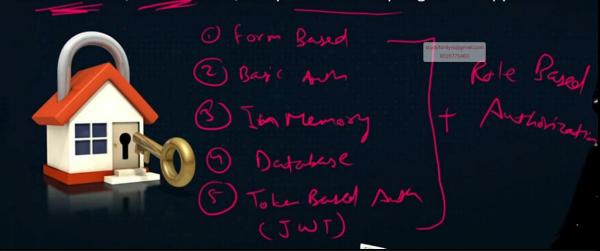


It is a powerful and flexible framework designed to handle the authentication, authorization, and protection of Spring-based applications



Spring Security





Highly customizable authentication and access-control framework for Spring applications.

<dependency>

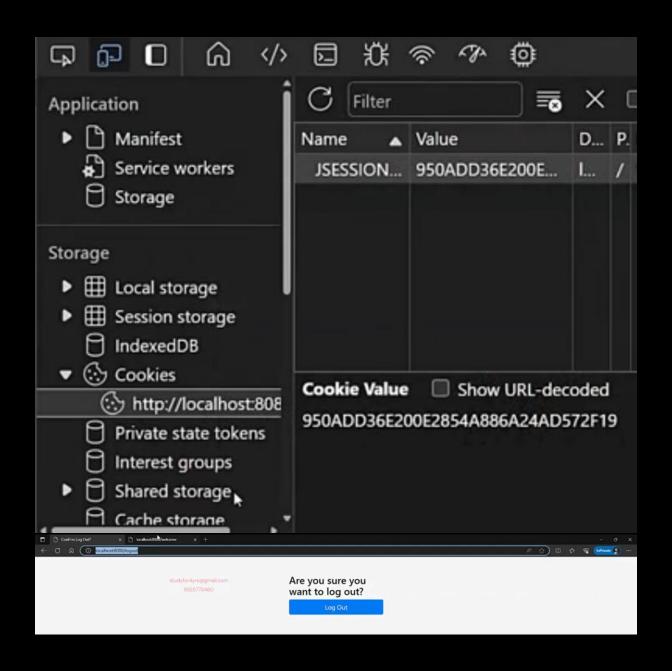
<groupId>org.springframework.boot

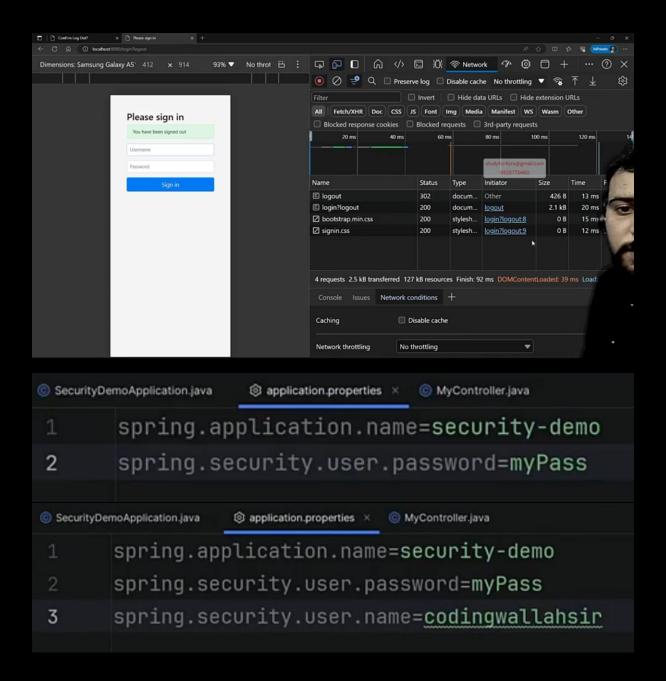
<artifactId>spring-boot-starter-security</artifactId>

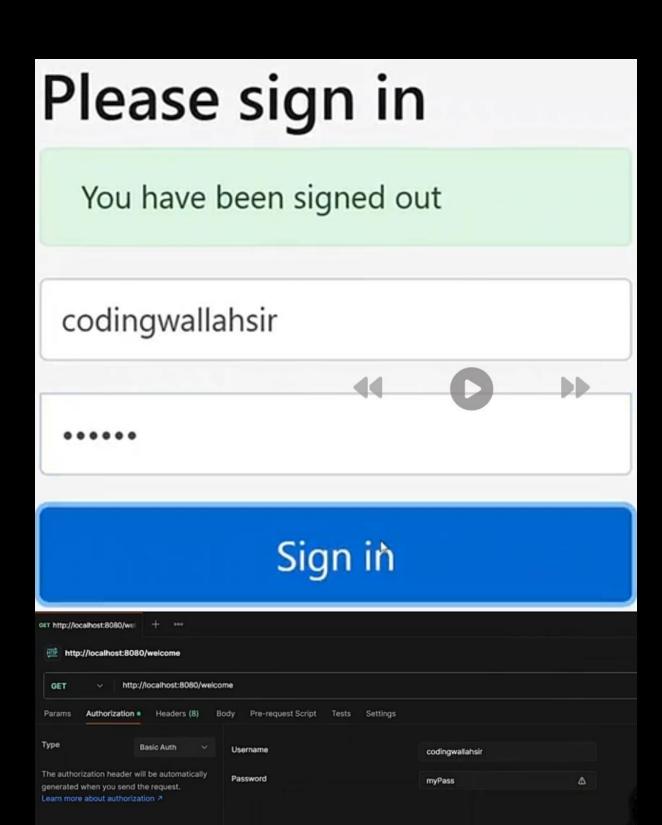
</dependency>

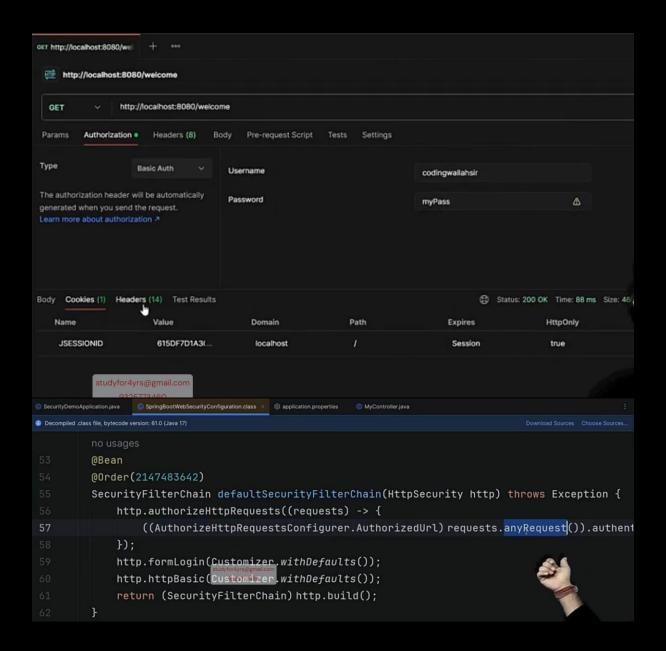
<dependency>

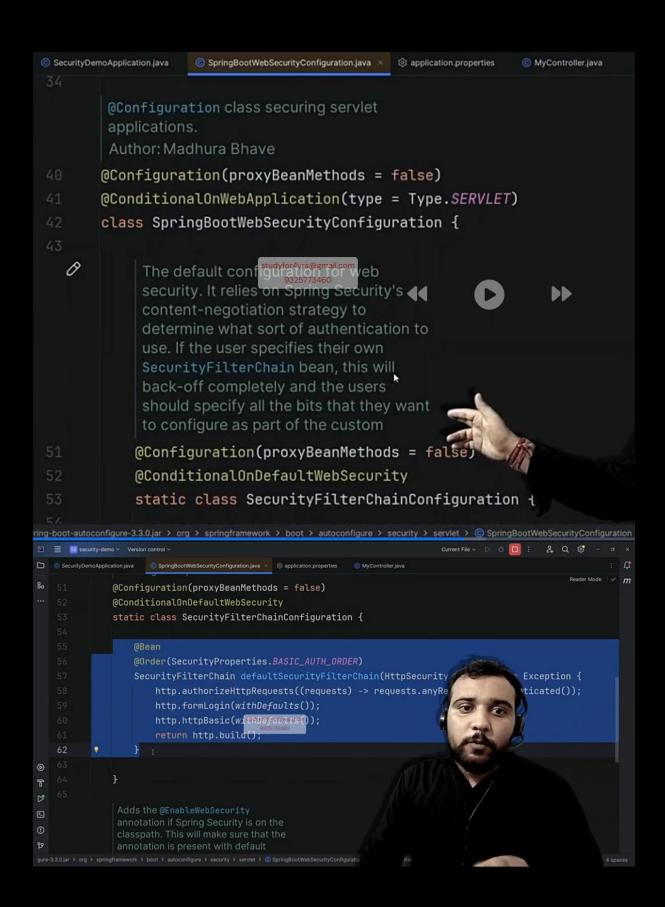
Using generated security password: ad10d8e7-6107-4ff2-821d-74b205aae9e0 [

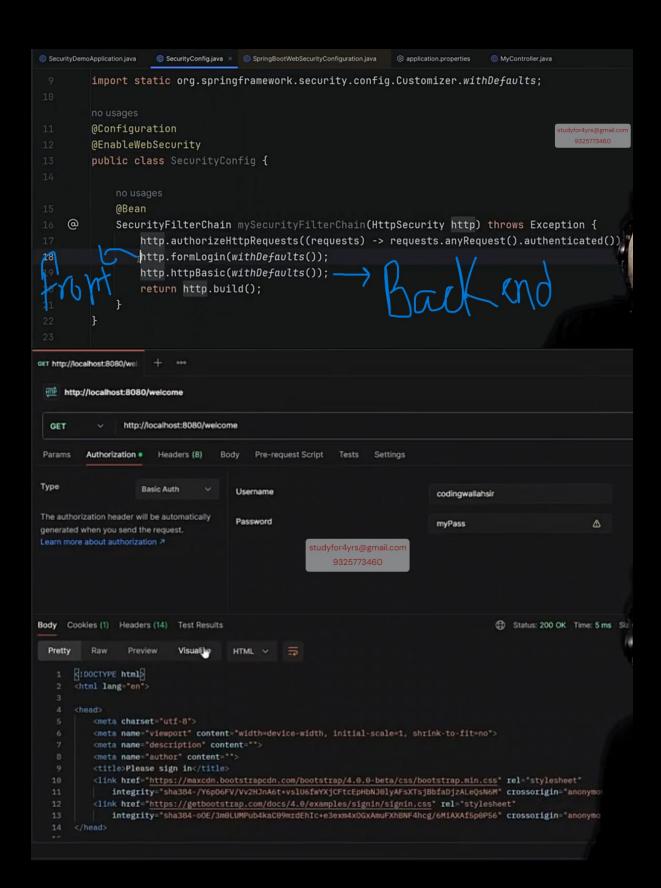


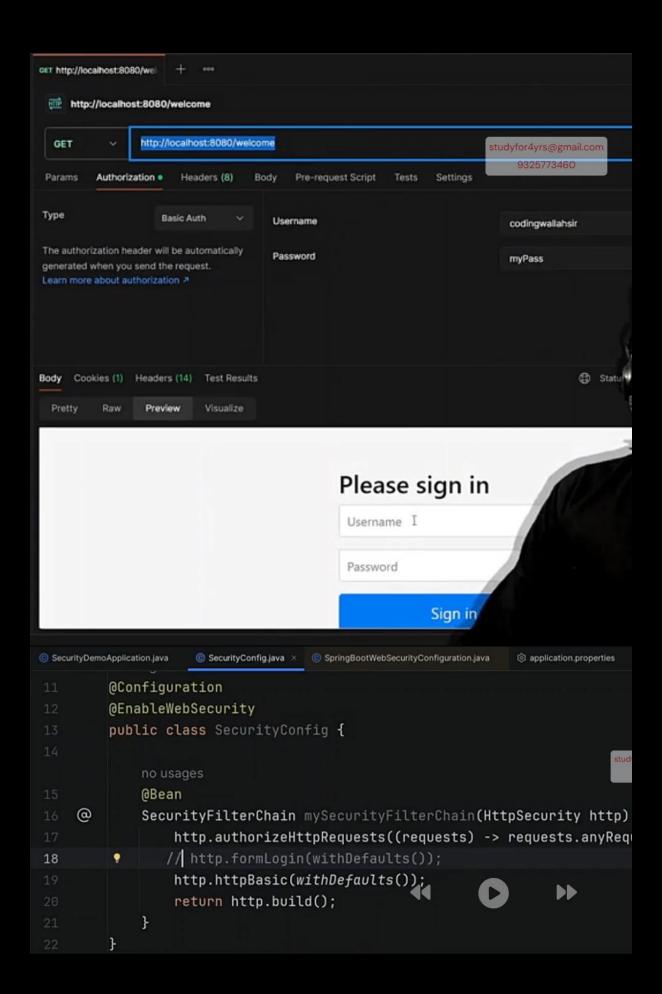


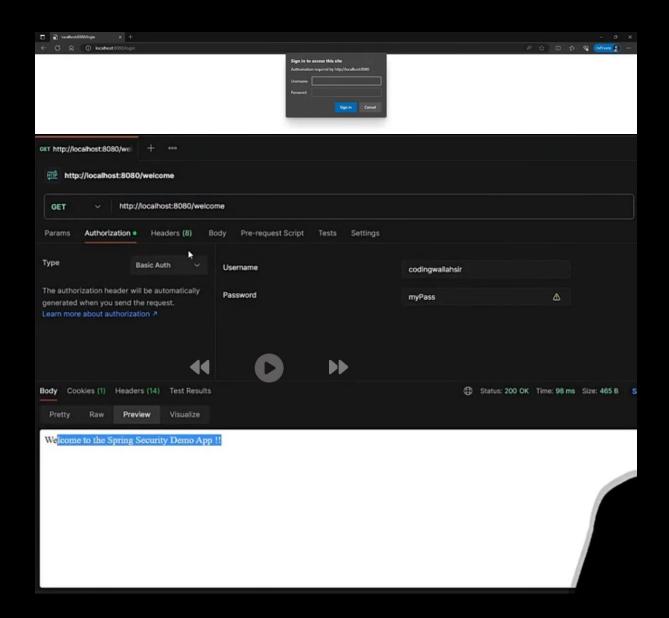


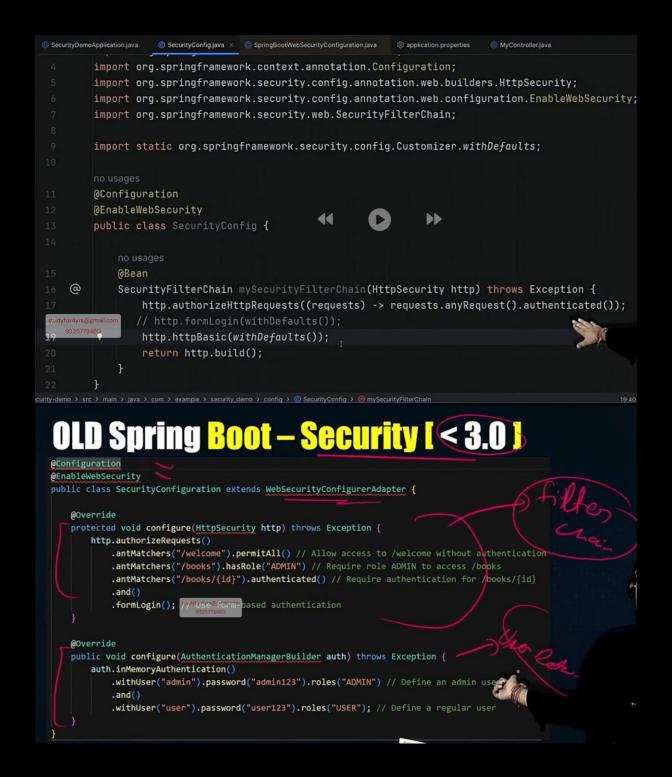






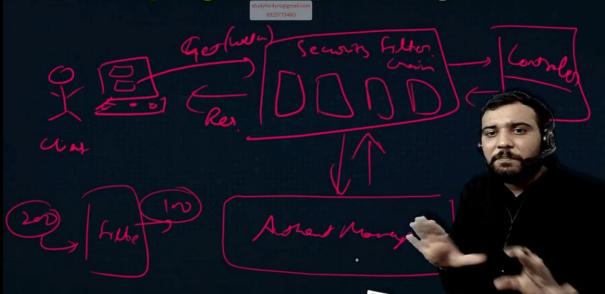


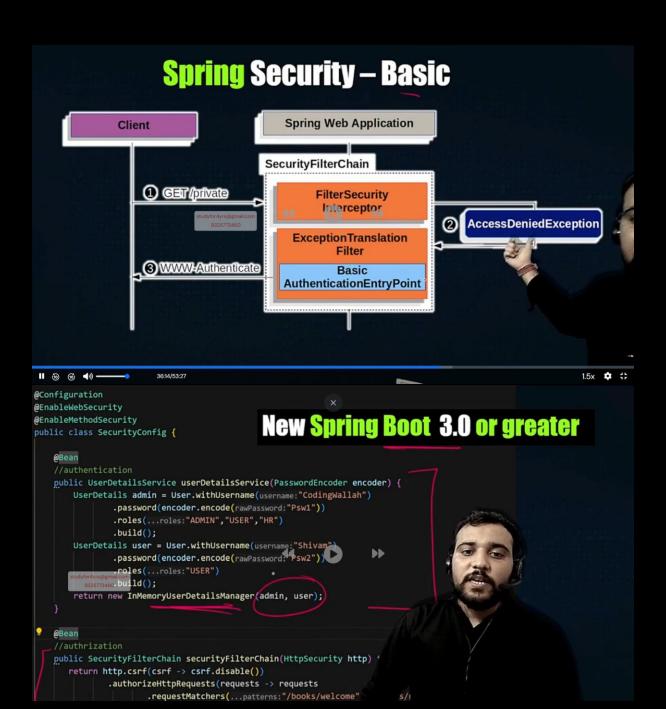


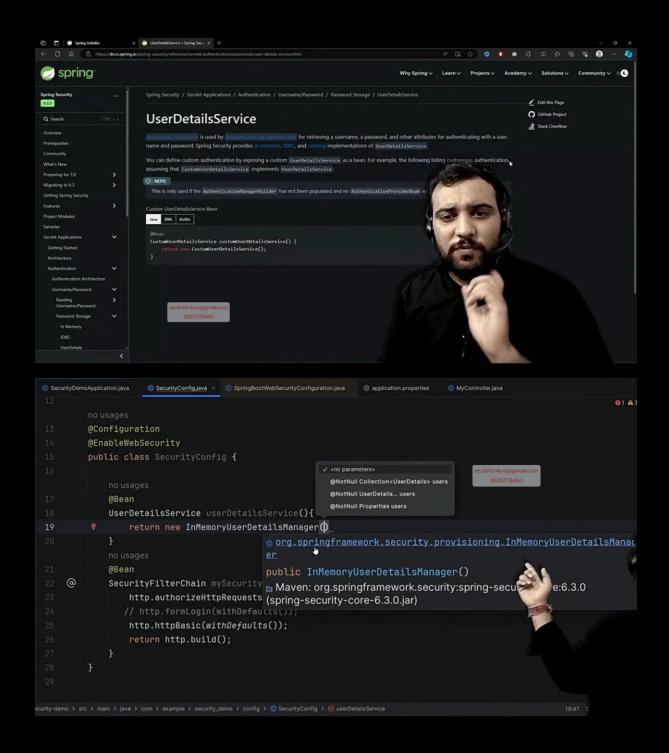


```
@Configuration
@EnableWebSecurity
                                             New Spring Boot 3.0 or greater
@EnableMethodSecurity
public class SecurityConfig {
    @Bean
    //authentication
    public UserDetailsService userDetailsService(PasswordEncoder encoder) {
       UserDetails admin = User.withUsername(username:"CodingWallah")
                .password(encoder.encode(rawPassword:"Psw1"))
               .roles(...roles: "ADMIN", "USER", "HR")
                .build();
       UserDetails user = User.withUsername(username:"Shivam")
               .password(encoder.encode(rawPassword:"Psw2"))
                .roles(...roles:"USER")
               .build();
       return new InMemoryUserDetailsManager(admin, user);
   @Bean
    public SecurityFilterChain securityFilterChain(HttpSecurity http) throws Exception {
       return http.csrf(csrf -> csrf.disable())
              .authorizeHttpRequests(requests -> requests
                      .requestMatchers(...patterns:"/books/welcome", "/books/new").permitAll())
              .authorizeHttpRequests(requests -> requests.requestMatchers(...patterns:"/books/**")
                      .authenticated()).formLogin(withDefaults()).build()
```

Spring Security - Working







```
SecurityDemoApplication.java
                       © SecurityConfig.java 

✓ © SpringBootWebSecurityConfiguration.java
                                                                       @ application.properties
          @Configuration
                                                                         studyfor4yrs@gmail.com
          @EnableWebSecurity
          public class SecurityConfig {
              @Bean
              UserDetailsService userDetailsService(){
                   UserDetails admin = User
                            .withUsername("CodingWallah")
                            .password("myPass")
                            .roles("USER")
                            .build();
25
                   return new InMemoryUserDetailsManager(admin);
              }
              no usages
              @Bean
     @
              SecurityFilterChain mySecurityFilterChain(HttpSecurity http) throw:
                   http.authorizeHttpRequests((requests) -> requests.anyReques'
                  // http.formLogin(withDefaults());
```

```
no usages
@Configuration
@EnableWebSecurity
public class SecurityConfig {
    no usages
    @Bean
    UserDetailsService userDetailsService(){
        UserDetails admin = User.withUsername("CodingWallah")
              □ org.springframework.security.core.userdetai
              ls
             Package classes:

    AuthenticationUserDetailsService

        retur @ MapReactiveUserDetailsService

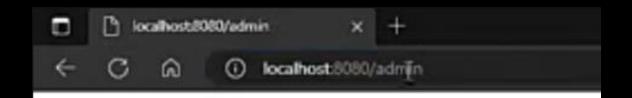
    ReactiveUserDetailsPasswordService

    }
    no usages ③ ReactiveUserDetailsService
             @ User
    @Bean
    SecurityF ① UserCache
       http. ① UserDetails
       // htt © UserDetailsByNameServiceWrapper
             ① UserDetailsChecker
             UserDetailsPasswordService
@Bean
UserDetailsService userDetailsService(){
    UserDetails admin = User.withUsername("CodingWallah")
                               .password("{noop}myPass")
                               .roles("ADM • Extract Surround # 🗏 :
                               .build();
    return new InMemoryUserDetailsManager(admin);
}
```

```
no usages
@Bean
UserDetailsService userDetailsService(){
s@gmails@gerDetails admin = User.withUsername("CodingWallah")
                            .password("{noop}myPass")
                             .roles("ADMIN")
                             .build();
    UserDetails user = User.withUsername("shivam")
            .password("{noop}1234")
                                                          .roles("USER")
            .build();
no usages
@Configuration
@EnableWebSecurity
@EnableMethodSecurity
public class SecurityConfig {
    no usages
    @Bean
    UserDetailsService userDetailsService(){
        UserDetails admin = User.withUsername("CodingWallah")
                                 .password("{noop}myPass")
                                 .roles("ADMIN")
                                 .build();
        UserDetails user = User.withUsername("shivam")
                .password("{noop}1234")
                .roles("USER")
```

```
no usages
@GetMapping("/welcome")
public String welcome(){
    return "Welcome to the Spring Security Demo App !!";
}
no usages
@GetMapping("/user")
public String userService(){
    return "Hi, User !!";
}
no usages
@GetMapping("/admin")
public String adminService(){
    return "Hi, Admin !!";
}
```

```
no usages
@GetMapping("/welcome")
public String welcome(){
     return "Welcome to the Spring Security Demo App !!";
}
no usages
@GetMapping("/user")
@PreAuthorize("hasAuthority('ROLE_USER')")
public String userService(){
     return "Hi, User !!";
}
no usages
@GetMapping("/admin")
@PreAuthorize("hasAuthority('ROLE_ADMIN')")
 public String adminService(){
     return "Hi, Admin !!";
 Please sign in
                                         studyfor4yrs@gmail.com
                                            9325773460
  CodingWallah<sup>I</sup>
               44
   ••
                   Sign in
```



Hi, Admin!!



Whitelabel Error Page

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

Sat Jun 01 03:07:44 IST 2024

There was an unexpected error (type=Forbidden, status=403) reil.com

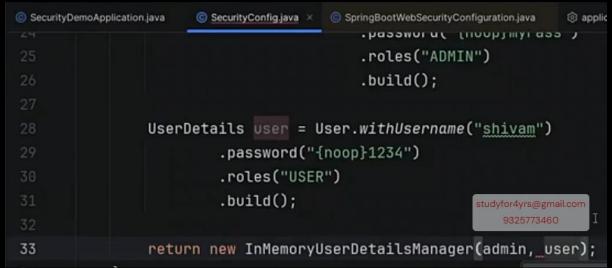


403 Förbidden

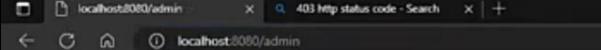
According to 2 sources

Forbidden is a client error that is returned by the server to indicate that the client does not have access to the requested resource, and does not offer an Authentication scheme by which access can be granted.









Whitelabel Error Page

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

Sat Jun 01 03:10:50 IST 2024

There was an unexpected error (type=Forbidden, status=403).

