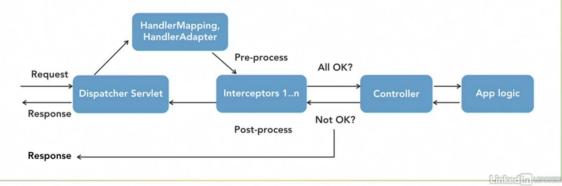
Interceptors in Spring MVC

- Similar to filters in Servlet API
- Used for pre- and post-processing of the request



Interceptors in Spring MVC ctd...

- Implementations of HandlerInterceptorAdapter
- preHandle before request is processed
- postHandle after request is processed
- afterCompletion after response is committed

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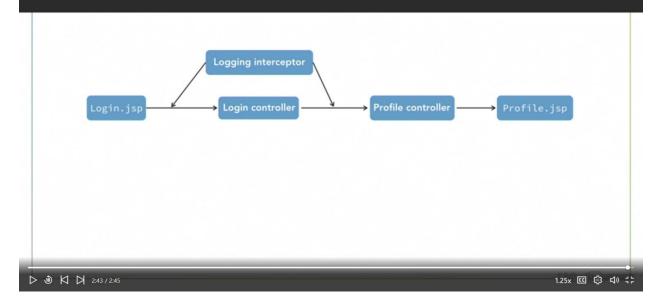
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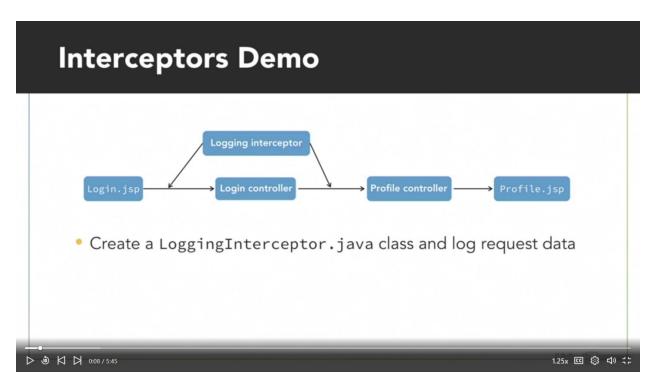
Built-In and Custom Interceptors

- ThemeChangeInterceptor
- LocaleChangeInterceptor
- Custom interceptors should extend HandlerInterceptorAdapter

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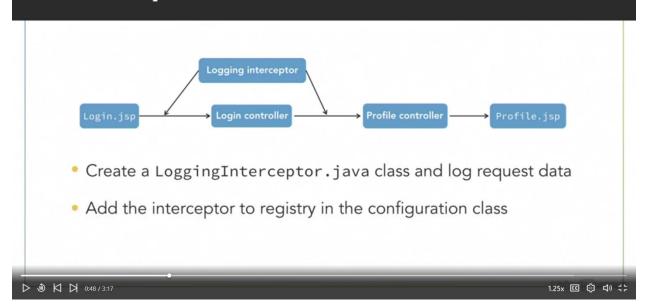
Interceptors Demo





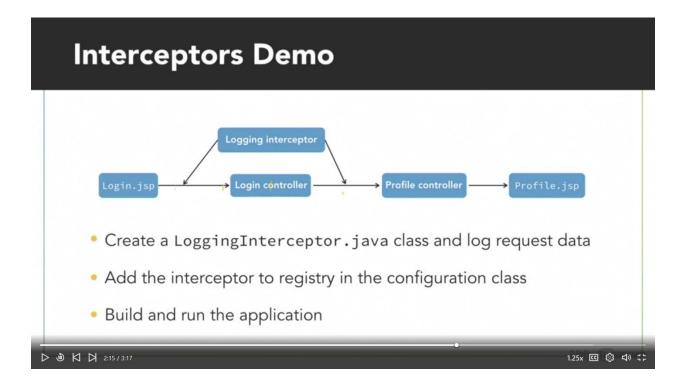
Create a LoggingInterceptor class that extends HandlerInterceptorAdapter and override its functions.

Interceptors Demo



Override the addInterceptor() method in ApplicationConfig.java class to register the newely created LoggingInterceptor with pathPattern to all urls /*

```
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```



Access Session/Request Attributes

- Request/Session attributes could flow across controllers/application
- Stores a model in session using @SessionAttributes
- Access session data using @SessionAttribute
- Access any request data using @RequestAttribute

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@SessionAttributes Demo

Set up @SessionAttributes for login form

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So for SessionAttribute to set values in a session Model, the Model should exists before it sets the values in a Model in SessionAttribute. So the controller should have a getDefaultLogin method to return that model.

```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
📭 hplusapp ) 🖿 src ) 🖿 main ) 🖿 java ) 🗖 com ) 🗖 test ) 🗖 hplus ) 🗖 controllers ) 📀 LoginController
   🔞 ApplicationConfig.java 🗡 🔞 LoginController.java 🔀 🚜 login.jsp 🗡 🔞 LoggingInterceptor.java
          import org.springframework.web.bind.annotation.SessionAttributes;
          @Controller
              MAutowired
              private UserRepository userRepository;
            @ModelAttribute("login")
               public Login getDefaultLogin(){
                   return new Login();
              @PostMapping("/login")
              public String login(@ModelAttribute("login")Login login){
                   User user = userRepository.searchByName(login.getUsername());
                   if(user==null){
                       throw new ApplicationException("User not found");
              @ExceptionHandler(ApplicationException.class)
              public String handleException(){
                   System.out.println("in exception handler of Login Controller");
```

However we have already have these defaults model in one of our ControllerAdvice that is DefaultModelAttribute so our Loginontroller do not need to reimplement the login ModelAttribute.

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tor Build Run Tools VCS Window Help hplusapp[CAUbers\Ketkee Aryamane\\deaProjects\\nphybusapp]-\com\ketk\\nphybusapp[-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusapp]-\com\ketk\nphybusappp]-\com\ketk\nphybusappp]-\com\ketk\nphybusa
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So no need to reimplement LoginAttribute in LoginController

Get the login ModelAttribute from the login.jsp page

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```

@SessionAttributes Demo

- Set up @SessionAttributes for login form
- Create UserProfileController.java

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@SessionAttributes Demo

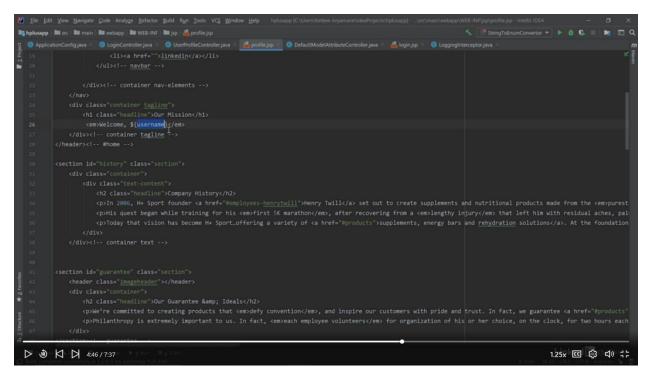
- Set up @SessionAttributes for login form
- Create UserProfileController.java
- Retrieve the session attributes in UserProfileController.java
- Forward to UserProfileController.java controller from LoginController.java

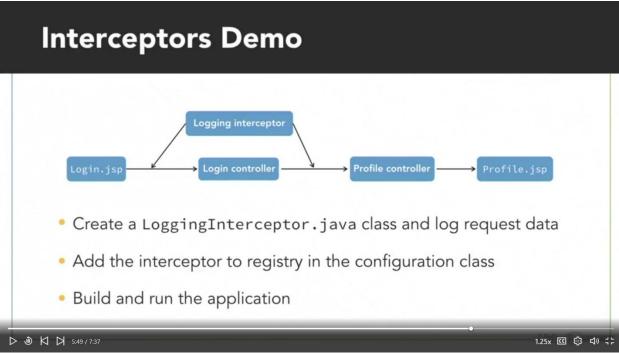
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Set the login ModelAttribute on SessionAttribute and forward the controller request to user profile controller from LoginController

Create a UserProfileController and access username from the SessionAttribute

Create a userProfile.jsp and access the username from the stored in ModelAttribute that is set via the SessionAttribute in UserProfileController.





Ending User Session

- Create a LogoutController.java
- Invalidate session

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Create a LogOutController and create a @GetMapping("logout") and in the logout() method invalidate the session as session.invalidate();

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Inside userprofile.jsp just have the link of logout to /logout

Redirecting outside of an application: Create a RedirectionController for it

Now for all the linekedIn urls map the url in jsps

```
UserProfileController.java

    RedirectionController.java

                                                                   🚜 profile.jsp

    LogoutController.

   <meta charset="UTF-8">
   <title>HPlus</title>
 <link rel="stylesheet" href="css/style.css" type="text/css"/>
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
<body>
<header id="home" class="header">
       <div class="container nav-elements">
               <a href="#home"><img src="images/hpluslogo.svg" alt="Logo - H Plus Sports"></a>
           </div><!-- branding -->
           <a href="/home">home</a>
               <a href="/goToLogin">login</a>
               <a href="/goToSearch">search</a>
               <a href="/redirectToLinkedIn">linkedin</a>
           <!-- navbar -->
       </div><!-- container nav-elements -->
   </nav>
       <h1 class="headline">Our Mission</h1>
       We support and encourage <em>active and healthy</em> lifestyles, by offering <em>ethi
```

Now run your application .