



Trainer: Nilesh Ghule

Wake up from Hibernate, Spring up!!!



Agenda

- Session and Request scoped beans
- File upload and download
- @RequestMapping
- Internationalization / Localization
- Validation
- Spring exception handling
- Static resources in Web MVC
- MVC using Annotation config

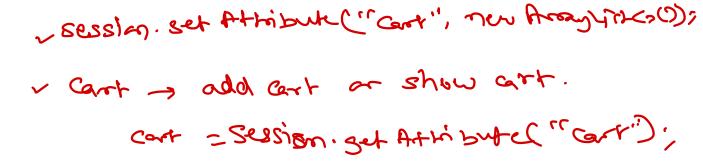


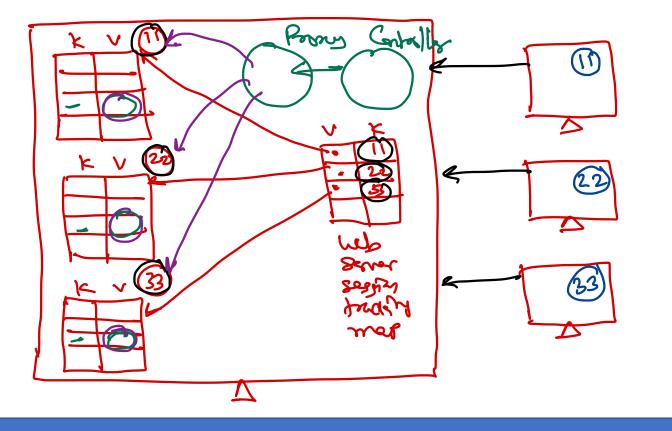
Session and Request scoped beans

- Spring bean scopes
 - @ Component ... @ Scope

Singleton ~

- Prototype >
- Session
 Request
- Session and Request scope beans are only possible in web applications.
- The scope management is done via proxies.
- Bean proxy is auto-wired in controller class. Depending on session/request internally new bean is created and made available in that context.







File upload and download

- File upload
 - Add commons-fileupload dependency in pom.xml.
 - In spring mvc config add CommonsMultipartResolver bean.
 - In view form, add HTML file input tag. Make form enctype="multipart/form-data", method="post" and mention action of spring request handler.
 - In request handler take arg @RequestParam("file") CommonsMultipartFile file.
 - File data will be accessible using file.getBytes(). Process that data.
- Hibernate blob handling
- Ibernate blob handling

 Create table with binary data as BLOB type.

 The second seco
 - In entity class map column with @Column and @Lob to byte[].
- File download
 - In spring request handler take HttpServletResponse as arg and return type void.
 - resp.setContentType(" application/octet-stream"); -> mase) 15
 - Soundoad resp.getOutputStream().write(byteArray);



@RequestMapping

/admin/books / customer/ books

- @RequestMapping attributes /bokling
 - · value/path = "url-pattern" / upland / waks

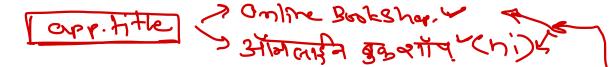
@ Controller @RM("/ cultorne")

- method
 GET | POST | PUT | DELETE
 }
- params/header = ... (map request only if given param or header is present).
- consumes = ... (map request only if given request body type is available).
 - produces = ... (produce given response type from handler method)
- One request handler method can be mapped to multiple request methods.
- One request handler method can be restrict to set of request methods.
- To restrict handler method to single request method, shorthand annotations available.
 @GetMapping ー @ ペm (method = "GET")

 - @PostMapping
 - @PutMapping
 - @DeleteMapping



Internationalization / Localization



- Adapting computer software to different languages, regional peculiarities and technical requirements of a target locale.
- Internationalization is the process of designing a software application so that it can be adapted to various languages and regions.
- Localization is the process of adapting internationalized software for a region or language. Localization is done for each locale by added respective components.
- Current locale can be accessed in request handler as Locale argument.
- Spring application steps arguese country or larguese.
 - Create messageSource bean and provide base path of properties file.

 - In views add <s:message code="property-key-name"/>. hi_IH / mm_IN
- Current locale can be stored using SessionLocaleResolver or CookieLocaleResolver.
- Locale can be changed dynamically using LocaleChangeInterceptor (configured using <mvc:interceptors/>).



Spring MVC validation

- For web applications client side validations are preferred for better user experience
- However client side validations can be bypassed/skipped by client.
- To ensure y validity of data provide server side validations (as well).
- Spring validation framework helps for server side validations.
- Spring supports JSR-303 validations.

 ○ Not Note:

 ○ Note
 - @NotBlank, @NotEmpty, @Size, @Email, @Pattern, @DateTimeFormat, @Min, @Max
- Steps: کاروان
 - Add dependency hibernate-validator in pom.xml
 - Use appropriate annotations on model classes.

collecting

- Use @Valid on @ModelAttribute in request handler method.
- Next argument in request handler should be BindingResult method.
- Use <sf:errors/> in view to show error codes,



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Thank you!

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