

## Lab 6

### E-learning Web

#### Course Model:

name,description, instructor, category,  
price,startDate,EndDate,courseHours,rate,courseLanguage

#### Validation:

- name

@NotEmpty(message = "Course name can't be null")

@Size(min = 3, message = "Course name must be more than 2 characters")

- description

@NotEmpty(message = "Course description can't be null")

@Size(min = 10, message = "Course description must be more than 9 characters")

- instructor

@NotEmpty(message = "Instructor name can't be null")

@Size(min = 3, message = "Instructor name must be more than 2 characters")

@Pattern(regexp = "[a-zA-Z ]+\$", message = "Instructor name should contain only letters and spaces")

- category

@NotEmpty(message = "Course category can't be null")

@Size(min = 3, message = "Course category must be more than 2 characters")

@Pattern(regexp = "[a-zA-Z ]+\$", message = "Category should contain only letters and spaces")

- price

@NotNull(message = "Price can't be null")

@Positive(message = "price should be positive number")

- startDate

@NotNull(message = "Start date can't be null")

@PastOrPresent(message = "Start date should be in the past or present")

private Date startDate;

- endDate

@NotNull(message = "End date can't be null")

@Future(message = "End date should be in the future")

- courseHours  
@NotNull(message = "Course hours can't be null")  
@Positive(message = "Course hours must be a positive number")  
@Min(value = 1, message = "Course must be at least 1 hour long")
- rate  
@NotNull(message = "Course rating can't be null")  
@Min(value = 1, message = "Rating should be between 1 and 5")  
@Max(value = 5, message = "Rating should be between 1 and 5")
- courseLanguage  
@NotNull(message = "Course language can't be null")  
@Pattern(regex = "[a-zA-Z ]+\$", message = "courseLanguage should contain only letters and spaces")

### **Instructor Model:**

- Name Validation  
@NotEmpty(message = "Instructor name can't be null")  
@Size(min = 3, message = "Instructor name must be more than 2 characters")  
@Pattern(regex = "[a-zA-Z ]+\$", message = "Instructor name should contain only letters and spaces")
- Email Validation  
@NotEmpty(message = "Instructor email can't be null")  
@email(message = "Email is not valid")
- contactNumber  
@NotEmpty(message = "Instructor contact number can't be null")  
@Pattern(regex = "05\\d{8}\$", message = "Instructor contact number should be a valid Saudi phone number starting with 05")  
@Size(min = 10, max = 10, message = "Instructor contact number should consist of 10 digits")
- department  
@NotEmpty(message = "Instructor department can't be null")  
@Size(min = 3, message = "Instructor department must be more than 2 characters")  
@Pattern(regex = "[a-zA-Z ]+\$", message = "Department name should contain only letters and spaces")

- yearsOfExperience

@NotNull(message = "Instructor years of experience can't be null")

@Positive(message = "Years of experience must be a positive number")

@Min(value = 1, message = "Instructor must have at least 1 year of experience")

- listCourses

(in the begging it can be null, that's means I can I add instructor on my system  
after that he will create his own courses)