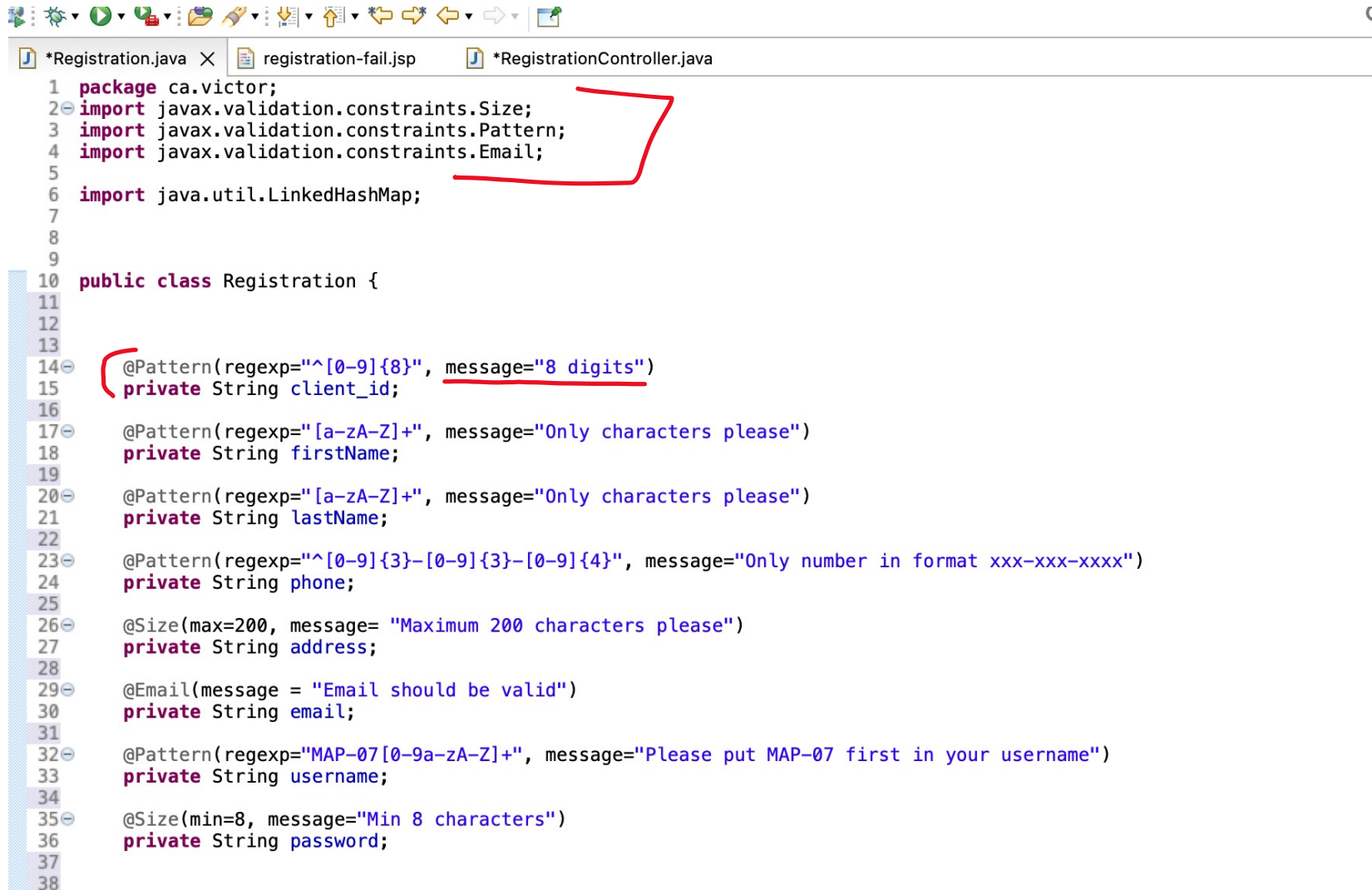In class where we defined object before each String put @Validation
exactly what do you want validate and regular expression. And import
that validation.

*Registration.java ✕   registration-fail.jsp   *RegistrationController.java

```java
 1  package ca.victor;
 2  import javax.validation.constraints.Size;
 3  import javax.validation.constraints.Pattern;
 4  import javax.validation.constraints.Email;
 5
 6  import java.util.LinkedHashMap;
 7
 8
 9
10  public class Registration {
11
12
13
14      @Pattern(regexp="^[0-9]{8}", message="8 digits")
15      private String client_id;
16
17      @Pattern(regexp="[a-zA-Z]+", message="Only characters please")
18      private String firstName;
19
20      @Pattern(regexp="[a-zA-Z]+", message="Only characters please")
21      private String lastName;
22
23      @Pattern(regexp="^[0-9]{3}-[0-9]{3}-[0-9]{4}", message="Only number in format xxx-xxx-xxxx")
24      private String phone;
25
26      @Size(max=200, message= "Maximum 200 characters please")
27      private String address;
28
29      @Email(message = "Email should be valid")
30      private String email;
31
32      @Pattern(regexp="MAP-07[0-9a-zA-Z]+", message="Please put MAP-07 first in your username")
33      private String username;
34
35      @Size(min=8, message="Min 8 characters")
36      private String password;
37
38
```

In form put error to catch it.
cssClass define color how your error will look like

```
4
5
6
7⊖      <style>
8            .error{color:red}
9      </style>
0
1
```

```
<div class="form"><form:form action="submitForm" modelAttribute="registration">
    Your ID: <form:input path="client_id" />
    <form:errors path="client_id" cssClass="error"/><br><br>
    <br><br>
    First name: <form:input path="firstName" />
    <form:errors path="firstName" cssClass="error"/><br><br>
    <br><br>
    Last name: <form:input path="lastName" />
    <form:errors path="lastName" cssClass="error"/><br><br>
    <br><br>
    Phone: <form:input path="phone" />
    <form:errors path="phone" cssClass="error"/><br><br>
    <br><br>
    Address: <form:input path="address" />
    <form:errors path="address" cssClass="error"/><br><br>
    <br><br>
    Email: <form:input path="email" />
    <form:errors path="email" cssClass="error"/><br><br>
    <br><br>
    Username: <form:input path="username" placeholder="Start with MAP-07"/>
    <form:errors path="username" cssClass="error"/><br><br>
    <br><br>
    Password: <form:input path="password" />
    <form:errors path="password" cssClass="error"/><br><br>
    <br><br>
```

Import @Valid and Binding result

Use if statement to catch this exception if has error -> return same page but with annotation where mistake has been made.

If everything is good return next page with confirmation or something else

```
J *Registration.java      registration-fail.jsp    J *RegistrationController.java  X

 1  package ca.victor;
 2  import org.springframework.stereotype.Controller;
 3
 4  import org.springframework.ui.Model;
 5  import org.springframework.web.bind.annotation.ModelAttribute;
 6  import org.springframework.web.bind.annotation.RequestMapping;
 7  import org.springframework.validation.BindingResult;
 8  import javax.validation.Valid;
 9
10
11  @Controller
12  public class RegistrationController {
13  @RequestMapping("/")
14  public String bookingForm(Model model)  {
15        //create a reservation object
16      Registration reg = new Registration();
17        //provide reservation object to the model
18      model.addAttribute("registration", reg);
19      return "registration";
20  }
21  @RequestMapping("/submitForm")
22  // @ModelAttribute binds form data to the object
23  public String submitForm(@Valid @ModelAttribute("registration") Registration reg, BindingResult br) {
24      if (br.hasErrors()) {
25          return "registration";
26      } else {
27          return "profile-preview";
28      }
29  }
30  @RequestMapping("/shopping")
31  //@ModelAttribute binds form data to the object
32  public String shopping(@ModelAttribute("registration") Registration reg) {
33   return "shopping";
34      }
35  }
36
```