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COURSE	Internet and Web Programming

LAB ASSESSMENT #2

Form Design and Validation

Design the following Form and validate all form components with proper regular expression pattern

HTML and CSS Form Validation

Username *

Password *

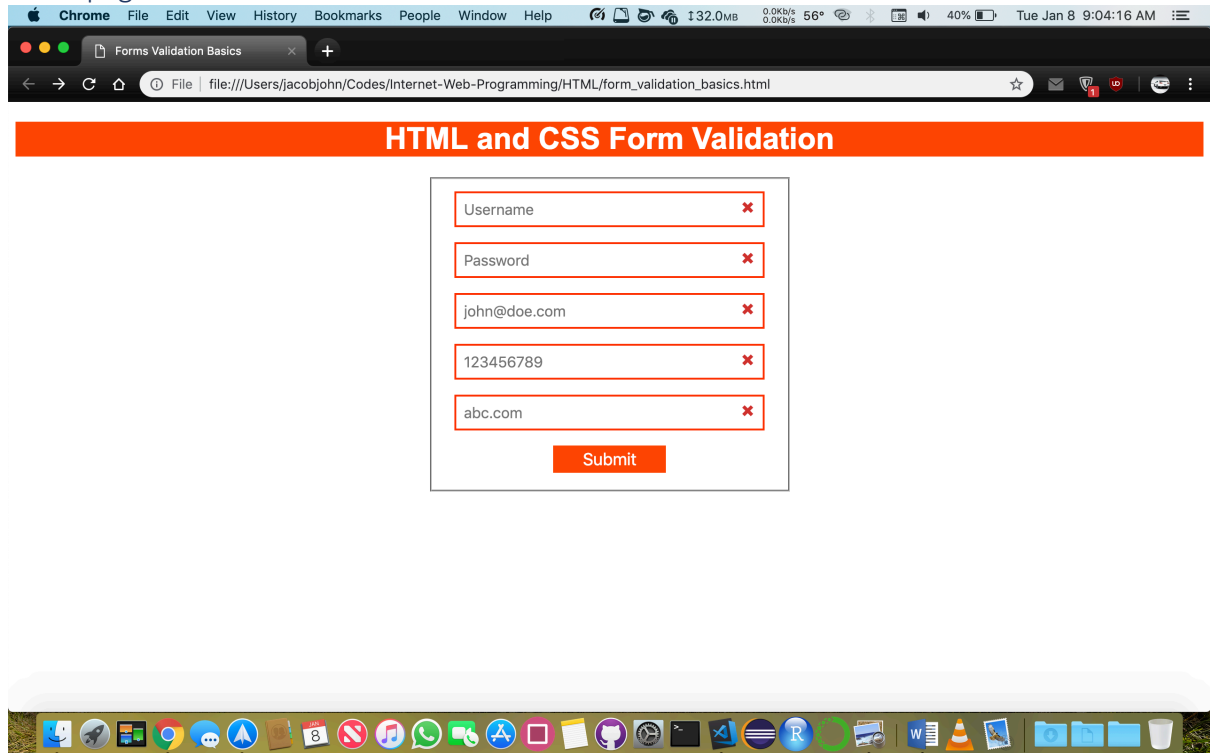
Email ID *

Mobile Number *

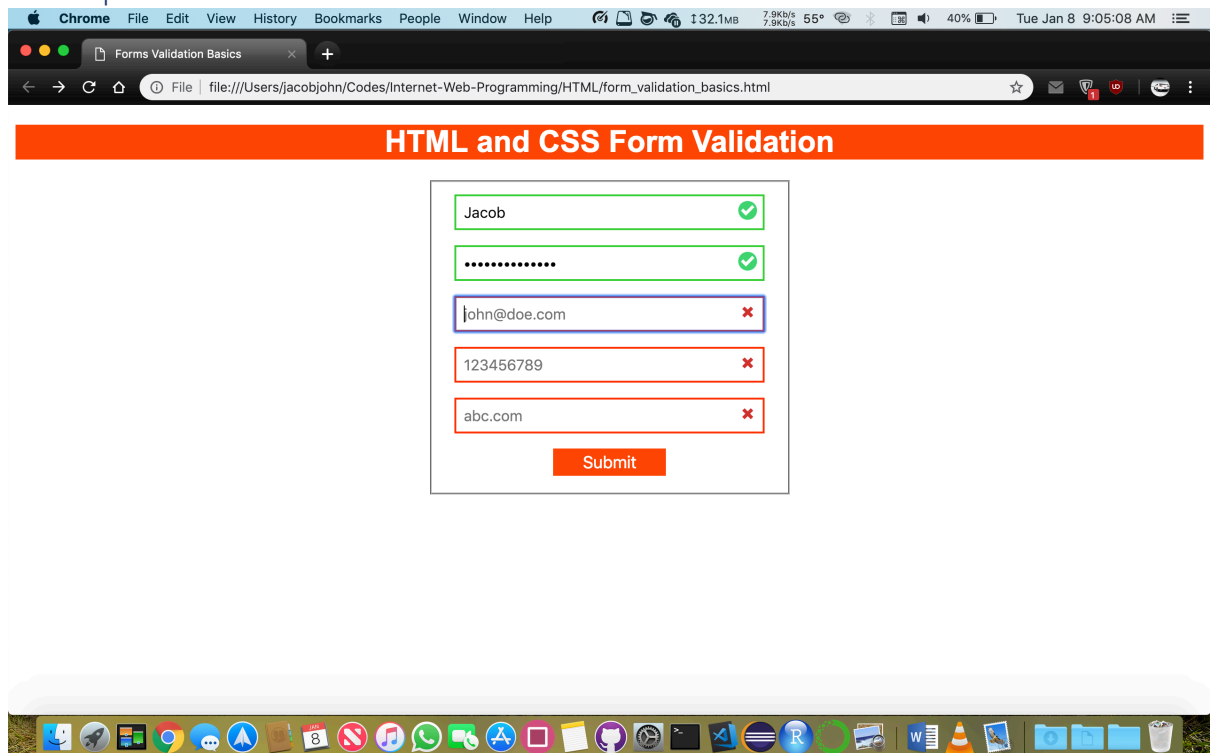
Web Address *

Sign In

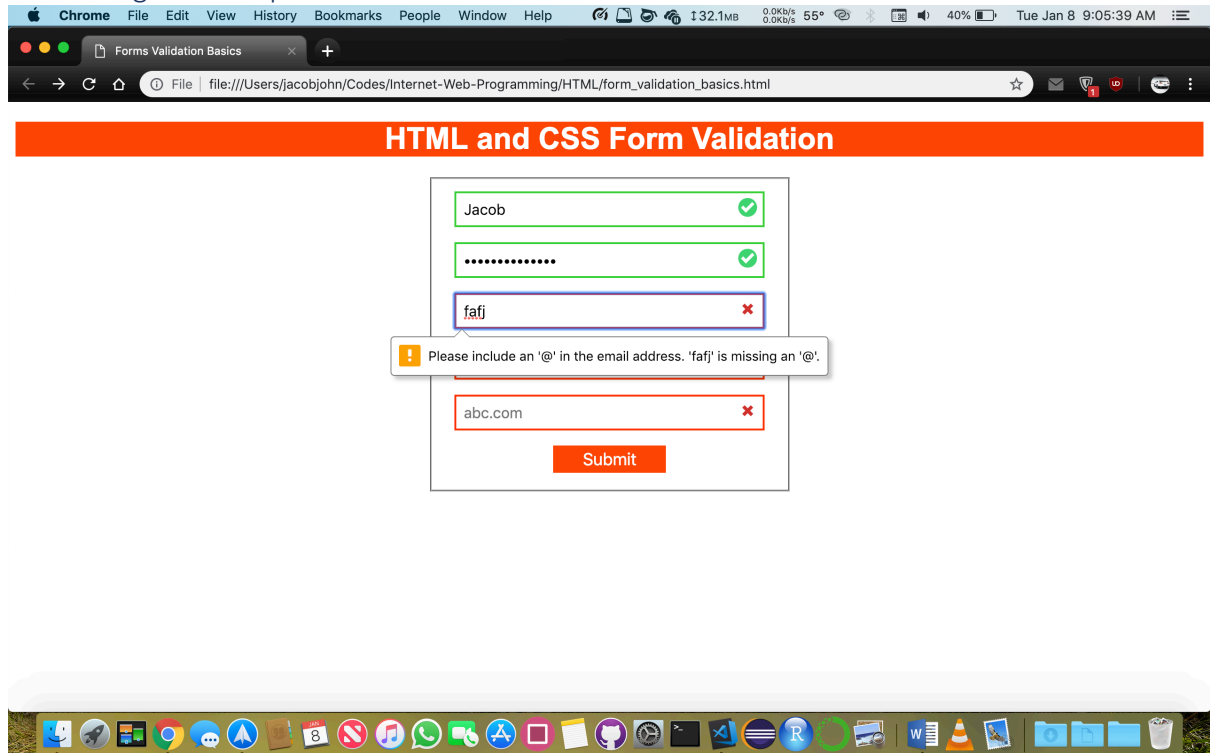
Initial page



Valid input



Submitting invalid input



Final HTML code

```
<!DOCTYPE html>
<html>
  <style>
    h1
    {
      font-family: arial, sans-serif;
      color: white;
      background-color: orangered;
      position: relative;
      text-align: center;
    }
    form
    {
      font-family: arial, sans-serif;
      margin: 0 auto;
      width: 710px;
    }
    input:invalid {
      border: 2px solid rgb(255, 51, 0);
      background-image: url(https://style.ons.gov.uk/wp-content/themes/ons-style/static/img/cross.svg);
      background-size: 20px;
      background-repeat: no-repeat;
      background-position: 300px 5px;
    }
  </style>
  <body>
    <h1>Form Validation</h1>
    <form>
      <input type="text" value="Jacob" />
      <input type="password" value="*****" />
      <input type="text" value="fafj" />
      <input type="text" value="abc.com" />
      <input type="submit" value="Submit" />
    </form>
  </body>
</html>
```

```

    input:valid {
        border: 2px solid rgb(56, 209, 56);
        background: url(https://s3-us-west-
2.amazonaws.com/s.cdpn.io/3/check.svg);
        background-size: 20px;
        background-repeat: no-repeat;
        background-position: 300px 5px;
    }
    input[type = "submit"]{
        background-image: none;
        border: 2px;
        background: rgb(255, 68, 0);
        color: white;
        font-size: 18px;
        width : 120px;
        margin: 10 auto;
        padding: 4px 15px;
    }
    input, textarea, select, button {
        width : 330px;
        margin: 0 auto;
        padding: 8px 8px;
        margin: 8px 0;
        box-sizing: border-box;
    }
    input{
        font-size: 16px;
    }
    fieldset
    {
        text-align: center;
        margin: auto;
        width: 50%;
    }

</style>

<head>
    <title>Forms Validation Basics</title>
</head>
<body>
    <h1>HTML and CSS Form Validation</h1>
    <form action="/action_page.php" method="POST" autocomplete="on">
        <fieldset>
            <input type="text" name="firstname" placeholder="Username"
pattern=".{,20}" title="Must be below 20 characters" required><br>
            <input type="Password" name="pw" placeholder="Password"
pattern="(?!.*\d)(?!.*[a-z])(?!.*[A-Z]).{8,}"
            title="Must contain at least one number and one uppercase and
lowercase letter, and at least 8 or more characters" required><br>

```

```
        <input type="email" name="email" placeholder="john@doe.com"
pattern="[a-z0-9._%+-]+@[a-z0-9.-]+\.[a-z]{2,}$" required><br>
        <input type="tel" name="phone" placeholder="123456789" pattern
="\d{10}" maxlength = "10" required><br>
        <input type="text" name="webadd" pattern=".\.\.+"
placeholder="abc.com" title="Must be in something.com format" required><br>
        <input type="submit" value="Submit">
    </fieldset>
</form>
</body>
</html>
```