Workshop: Cubicle - Part 4

"Cubicle" is a place, where you can browse some of the most popular Rubik's cubes in the world and add some new cubes that you have discovered.

This is the final part of the workshop, so if you missed some parts, make sure you complete them before you continue because all parts of this workshop are related to each other.

Main Task

As a final step, you should implement some validation, notification to improve the user experience and protect the data that is stored in the database.

Installing Dependencies

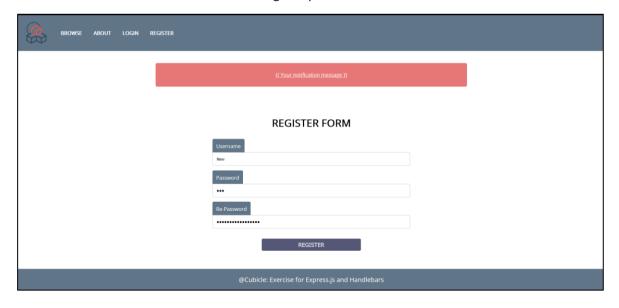
You can use **express-validator** to do some **validation** and **sanitization** or continue using Mongoose to do validations as well.

Validations

User

Before some users register or login, implement the following validations:

- Username
 - Should be **unique** (add "**unique**: **true**" property to each **User Model** username)
 - Should consist only of English letters and digits
 - Should be at least 5 characters long
- **Password**
 - Should consist only of English letters and digits
 - Should be at least 8 characters long
- Re-Password (only in Register Page)
 - Should be the same as the given password















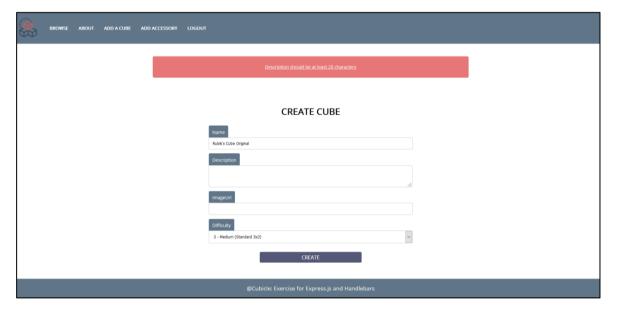




Cube and Accessory

The **cube** and **accessory** forms also should have some validation:

- Name At least 5 characters long, who could be English letters, digits, and whitespaces
- Description At least 20 characters, who could be English letters, digits, and whitespaces
- ImageUrl Referring to actual picture (starts with http://... or https://...)



Error Handling

In case of errors, for instance, If the given username is already taken, does not exist or the given password (while login) is **incorrect**, handle the error properly and show an appropriate notification.

















	BROWSE	ABOUT	LOGIN	REGISTER		
						Wrong password
LOGIN FORM						LOGIN FORM
						Username
						CubicFan123
						Password
LOGIN						
@Cubicle: Exercise for Express.js and Handlebars						

Template Update

If you want to use the notifications which are shown in the pictures, you should modify a little your main layout hbs file. Create a div with id="notifications", between the header and the main element, which holds a single paragraph with id="notification-message". Check the picture below:

```
views > - main-layout.hbs > 🔷 html
      <!DOCTYPE html>
      <html lang="en">
        <meta charset="UTF-8">
        <title>{{ pageTitle }}</title>
        k href="/css/site.css" type="text/css" rel="stylesheet">
k rel='shortcut icon' type='image/x-icon' href='/images/favicon.png' />
  8
  9
      </head>
 10
 11
      <body>
 12
        <div class="container">
 13 >
          <header> -
 27
           </header>
           <div id="notifications">
 28
 29
             30
           </div>
 31
 32
            {{{ body }}}
 33
           </main>
 34
         </div>
        <footer>@Cubicle: Exercise for Express.js and Handlebars/footer>
 35
 36
 37
 38
      </html>
```

Also, you should append the following styles into the site.css file













```
#notifications {
    margin: 0 auto;
    margin-top: 0px;
    margin-bottom: 0px;
    text-align: center;
    width: 50%;
    padding: 0.5%;
    margin-top: 2%;
    margin-bottom: 2%;
    background: rgb(231, 118, 118);
    color: white;
    border-radius: 5px;
    text-decoration: underline;
}
```

Good Luck! 💝















