Exercise (Instructions): Angular Template-driven Forms Part 2

Objectives and Outcomes

In this exercise you will learn about adding form validation to your template-driven forms in Angular. You will show validation error messages to the users within the form. At the end of this exercise you will be able to:

- Add in form validation support to your template-driven forms

- Show validation error messages to the users

Adding Template Reference Variables

- Open login.component.html file and add in the template reference variables to the two <input> elements and the <form> element as follows:

```
1   . . .
2   <form novalidate #loginForm="ngForm" (ngSubmit)="onSubmit()">
3
4   . . .
5
6           <input mdInput placeholder="Username" type="text" [(ngModel)]="user
               .username" name="username" #username="ngModel" required>
7
8   . . .
9
10          <input mdInput placeholder="Password" type="password" [(ngModel)]="user
               .password" name="password" #password="ngModel" required>
11
12  . . .
```

Doing Form Validation

- You can now disable the submit button if the form is invalid as follows:

```
1   . . .
2       <button type="submit" md-button class="background-primary text-floral-white"
           [disabled]="loginForm.form.invalid" >Login</button>
3   . . .
```

- You can also change the color of the input elements if they contain invalid information as follows:

```
1       . . .
2
3       <md-input-container dividerColor="{{username.invalid && !username.pristine
          ? 'warn' : 'primary'}}">
4         <input mdInput placeholder="Username" type="text" [(ngModel)]="user
            .username" name="username" #username="ngModel" required>
5       </md-input-container>
6       <md-input-container dividerColor="{{password.invalid && !password.pristine
          ? 'warn' : 'primary'}}">
7         <input mdInput placeholder="Password" type="password" [(ngModel)]="user
            .password" name="password" #password="ngModel" required>
8       </md-input-container>
9
10      . . .
```

- You can also add messages below the input elements as follows:

```
1       . . .
2
3       <md-input-container dividerColor="{{username.invalid && !username.pristine
          ? 'warn' : 'primary'}}">
4         <input mdInput placeholder="Username" type="text" [(ngModel)]="user
            .username" name="username" #username="ngModel" required>
5         <md-hint>
6           <span [hidden]="username.pristine">
7           <span [hidden]="!username.errors?.required">username is required</span
              >
8           </span>
9         </md-hint>
10      </md-input-container>
11      <md-input-container dividerColor="{{password.invalid && !password.pristine
          ? 'warn' : 'primary'}}">
12        <input mdInput placeholder="Password" type="password" [(ngModel)]="user
            .password" name="password" #password="ngModel" required>
13        <md-hint>
14          <span [hidden]="password.pristine">
15          <span [hidden]="!password.errors?.required">password is required</span
              >
16          </span>
17        </md-hint>
18      </md-input-container>
19
20      . . .
```

- Save all the changes and do a Git commit with the message "Template Forms Part 2"

Conclusions

In this exercise you have demonstrated the various form validation features available with template forms.

Mark as completed