**ASSIGNMENT: Create an Angular application which will do following actions: Register User, Login User, Profile Component**

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Register.component.html

<div>

  <a [routerLink]="['../login']">Go to Login</a>

  <mat-card>

    <mat-card-title>Register</mat-card-title>

    <mat-card-content>

      <form [formGroup]="registerForm" (ngSubmit)="register()">

        <mat-form-field>

          <input type="email" matInput placeholder="Email" formControlName="email">

          <!-- Here we can display error messages/hints for the user, if one of the Validators adds an error to the email

           with the .touched check we only display the hints if the input was touched by the users -->

          <mat-error

            \*ngIf="this.registerForm.get('email')?.touched && this.registerForm.get('email')?.hasError('required')">

            Email is required</mat-error>

          <mat-error

            \*ngIf="this.registerForm.get('email')?.touched && this.registerForm.get('email')?.hasError('email')">

            Email must be a valid Email</mat-error>

        </mat-form-field>

        <mat-form-field>

          <input type="text" matInput placeholder="Username" formControlName="username">

          <mat-error

            \*ngIf="this.registerForm.get('username')?.touched && this.registerForm.get('username')?.hasError('required')">

            Username is required</mat-error>

        </mat-form-field>

        <mat-form-field>

          <input type="text" matInput placeholder="First Name" formControlName="firstname">

          <mat-error

            \*ngIf="this.registerForm.get('firstname')?.touched && this.registerForm.get('firstname')?.hasError('required')">

            First Name is required</mat-error>

        </mat-form-field>

        <mat-form-field>

          <input type="text" matInput placeholder="Last Name" formControlName="lastname">

          <mat-error

            \*ngIf="this.registerForm.get('lastname')?.touched && this.registerForm.get('lastname')?.hasError('required')">

            Last Name is required</mat-error>

        </mat-form-field>

        <mat-form-field>

          <input type="password" matInput placeholder="Password" formControlName="password">

          <mat-error

            \*ngIf="this.registerForm.get('password')?.touched && this.registerForm.get('password')?.hasError('required')">

            Password is required</mat-error>

        </mat-form-field>

        <mat-form-field>

          <input type="password" matInput placeholder="Password Confirmation" formControlName="passwordConfirm">

          <mat-error

            \*ngIf="this.registerForm.get('passwordConfirm')?.touched && this.registerForm.get('passwordConfirm')?.hasError('required')">

            Password Confirmation is required</mat-error>

        </mat-form-field>

        <mat-error

          \*ngIf="this.registerForm.get('passwordConfirm')?.dirty && this.registerForm.hasError('passwordsNotMatching')">

          Passwords are not matching!</mat-error>

        <div class="button">

          <!-- Button is disabled(not clickable), if our RegisterForm contains Validation Errors -->

          <button type="submit" mat-button [disabled]="!registerForm.valid">Register</button>

        </div>

      </form>

    </mat-card-content>

  </mat-card>

</div>

Login.component.html

<div>

  <a [routerLink]="['../register']">Go to Register</a>

  <mat-card>

    <mat-card-title>Login</mat-card-title>

    <mat-card-content>

      <form [formGroup]="loginForm" (ngSubmit)="login()">

        <mat-form-field>

          <input type="email" matInput placeholder="Email" formControlName="email">

          <!-- Here we can display error messages/hints for the user, if one of the Validators adds an error to the email

           with the .touched check we only display the hints if the input was touched by the users -->

          <mat-error \*ngIf="this.loginForm.get('email')?.touched && this.loginForm.get('email')?.hasError('required')">

            Email is required</mat-error>

          <mat-error \*ngIf="this.loginForm.get('email')?.touched && this.loginForm.get('email')?.hasError('email')">

            Email must be a valid Email</mat-error>

        </mat-form-field>

        <mat-form-field>

          <input type="password" matInput placeholder="Password" formControlName="password">

          <mat-error

            \*ngIf="this.loginForm.get('password')?.touched && this.loginForm.get('password')?.hasError('required')">

            Password is required</mat-error>

        </mat-form-field>

        <div class="button">

          <!-- Button is disabled(not clickable), if our LoginForm contains Validation Errors -->

          <button type="submit" mat-button [disabled]="!loginForm.valid">Login</button>

        </div>

      </form>

    </mat-card-content>

  </mat-card>

</div>

OUTPUT Screenshot:



