

Form Validations.

- Code

Creating a new angular project

ng new FormValidations

app.component.html

```
<form [formGroup]="signupForm" (ngSubmit)="submitForm()">
<div>
  <label for="username">Username:</label>
  <input type="text" id="username" name="username" formControlName="username" required>
  <div *ngIf="signupForm?.get('username')?.errors?.['required']">Username is
required.</div>
  <div *ngIf="signupForm?.get('username')?.errors?.['minlength']">Username must be at
least 5 characters long.</div>
</div>
<div>
  <label for="email">Email:</label>
  <input type="email" id="email" name="email" formControlName="email" required>
  <div *ngIf="signupForm?.get('email')?.errors?.['required']">Email is required.</div>
<div *ngIf="signupForm?.get('email')?.errors?.['email']">Invalid email format.</div>
</div>
<div>
  <label for="password">Password:</label>
  <input type="password" id="password" name="password" formControlName="password"
required>
  <div *ngIf="signupForm?.get('password')?.errors?.['required']">Password is
required.</div>
  <div *ngIf="signupForm?.get('password')?.errors?.['minlength']">Password must be at
least 8 characters long.</div>
</div>
<button type="submit">Sign Up</button>
</form>
```

app.component.css

```
form {
  max-width:
400px;
  margin: 0
auto;
}
div {
  margin-bottom: 10px;
}
label {
  display: block;
  font-weight: bold;
}
input[type="text"],
input[type="email"],
input[type="password"] {
  width: 100%;
  padding: 5px;
```

```

} button[type="submit"] {
background-color: #007bff;
color: #fff; padding: 10px
20px; border: none;
cursor: pointer;
}

```

app.component.ts

```

import { Component, OnInit } from '@angular/core'; import {
FormBuilder, FormGroup, Validators } from '@angular/forms';

```

```

@Component({ selector: 'app-root',
templateUrl: './app.component.html',
styleUrls: ['./app.component.css']
}) export class AppComponent { title(title:
any) { throw new Error('Method not
implemented.')}
} signupForm:
FormGroup;

```

```

constructor(private formBuilder: FormBuilder) {
this.signupForm = this.formBuilder.group({
username: ['', [Validators.required, Validators.minLength(5)]],
email: ['', [Validators.required, Validators.email]], password:
['', [Validators.required, Validators.minLength(8)]]
}); } submitForm() { if (this.signupForm.valid) {
console.log(this.signupForm.value); // Log the form values to the console
}
} }

```

app.module.ts

```

import { NgModule } from '@angular/core'; import {
ReactiveFormsModule} from '@angular/forms' import {
BrowserModule } from '@angular/platform-browser'; import
{ AppRouterModule } from './app-routing.module'; import {
AppComponent } from './app.component';

```

```

@NgModule({
declarations: [
AppComponent
],
imports: [
BrowserModule,
ReactiveFormsModule,
AppRouterModule
],
providers: [],
bootstrap: [AppComponent]
})
export class AppModule { }

```