

## TD Approach:

how to submit a form in angular and display Json in console:

```
<form (ngSubmit)="onSubmit(f)" #f = "ngForm">
  <div id="user-data">
    <div class="form-group">
      <label for="username">Username
      <input
        type="text"
        id="username"
        class="form-control"
        ngModel
        name="username">
```

The type of the button. Possibilities:

- **submit** : The button submits the form if the attribute is not specified or an empty or invalid value.
- **reset** : The button resets the form.
- **button** : The button has no default action associated with the element.

```
styleUrls: ['./app.component.css']
})
export class AppComponent {
  suggestUserName() {
    const suggestedName = 'Superuser';
  }

  onSubmit(form: NgForm){
    console.log(form)
  }
}
```

accessing form with view child:

```

4   <form (ngSubmit)="onSubmit()" #f = "ngForm">
5     <div id="user-data">
6       <div class="form-group">
7         <label for="username">Username</label>
8       </div>
9     </div>
10  </form>
11
12  @Component({
13    selector: 'app-root',
14    templateUrl: './app.component.html',
15    styleUrls: ['./app.component.css']
16  })
17  export class AppComponent {
18    @ViewChild('f') signupForm : NgForm
19    suggestUserName() {
20      const suggestedName = 'Superuser';
21    }
22
23    onSubmit(){
24      console.log(this.signupForm)
25    }
26  }

```

### validations:

```

1  <input
2    type="text"
3    id="username"
4    class="form-control"
5    ngModel
6    name="username"
7    required>
8  </div>
9  <button class="btn btn-default" type="button">Sign Up</button>
10 </div>
11 <div class="form-group">
12   <label for="email">Mail</label>
13   <input
14     type="email"
15     id="email"
16     class="form-control"
17     ngModel
18     name="email"
19     required
20     email
21   >
22 </div>

```

### showing help message for invalid email:

```
type="email"
id="email"
class="form-control"
ngModel
name="email"
required
email
#email="ngModel">
<span class="help-block" *ngIf="!email.valid && email.touched">Plese enter a valid email!</span>
</div>
div>
```

### show one option in box:

```
</div>
<div class="form-group">
  <label for="secret">Secret Questions</label>
  <select
    id="secret"
    class="form-control"
    [ngModel] = "defaultQuestion"
    name="secret"
  >
    <option value="pet">Your first Pet</option>
```

```
@ViewChild('signupForm') signupForm: NgForm
defaultQuestion = "pet";
suggestUserName() {
  const suggestedName = 'Superuse
}

onSubmit(){
  console.log(this.signupForm)
}
```

### modeling control groups:

```
<form (ngSubmit)="onSubmit()" #f = "ngForm">
  <div id="user-data" [ngModelGroup]="userData">
    <div class="form-group">
```

### handling radio buttons:

```

<div class="radio" *ngFor="let gender of genders">
  <label>
    <input type="radio"
      name="gender"
      ngModel
      [value]="gender">
      {{gender}}
    </label>
  </div>
  <button

```

```

@ViewChild('f') signupForm : NgForm;
defaultQuestion = "pet";

genders = ['male', 'female'];

```

**suggesting user name:**

```

@ViewChild('f') signupForm : NgForm;
defaultQuestion = "pet";

genders = ['male', 'female'];

suggestUserName() {
  const suggestedName = 'Superuser';
  this.signupForm.setValue({
    userData: {
      username: suggestedName,
      email: ''
    },
    secret: 'pet',
    gender: 'male',
  });
}

```

```

<label for="username">Username</label>
<input
  type="text"
  id="username"
  class="form-control"
  ngModel
  name="username"
  required
  #name = "ngModel">
<span class="help-block" *ngIf="!name.valid && name.touched">Pl
</div>

<button
  class="btn btn-default"
  type="button"
  (click)="suggestUserName()">Suggest an Username</button>

```

```

genders = [ 'male', 'female' ];

suggestUserName() {
  const suggestedName = 'Superuser';
  /*
    this.signupForm.setValue({
      userData: {
        username: suggestedName,
        email: ''
      },
      secret: 'pet',
      gender: 'male',
    }); */
  this.signupForm.form.patchValue({
    userData: {
      username: suggestedName
    }
  });
}
}

```

**showing form data:**

```

<hr>
<div class="row" *ngIf = "submitted">
  <div class="col-xs-12">
    <h3>your data</h3>
    <p>username:{{user.username}}</p>
    <p>mail:{{user.email}}</p>
    <p>gender:{{user.gender}}</p>
  </div>
</div>
div>

```

```

defaultQuestion = "pet";

genders = ['male', 'female'];

user = {
  username: '',
  email: '',
  gender: '',
};

submitted = false;

suggestUserName() {
  const suggestedName = 'Superuser';
  * this.signupForm.setValue({
    userData: {
      username: suggestedName,
      email: ''
    },
    secret: 'pet',
    gender: 'male',
  }); */
  this.signupForm.form.patchValue({
    userData: {
      username: suggestedName
    }
  });
}

onSubmit(){
  this.submitted = true;
  this.user.username = this.signupForm.value.userData.username;
  this.user.email = this.signupForm.value.userData.email;
  this.user.gender = this.signupForm.value.gender;
}

```

### resetting the form:

```

this.signupForm.reset();

```

```

@ViewChild('f') signupForm : NgForm;
defaultQuestion = "pet";

```

