Angular Forms (Final)

By: Mosh Hamedani

A Basic Bootstrap Form

```
<form>
    <div class="form-group">
        <label for="country">Country</label>
        <input type="text" id="country" class="form-control">
    </div>
    <button type="submit" class="btn btn-primary">Submit</button>
</form>
```

Template-driven forms

First, you need to import **FormsModule** into AppModule (or any modules with a component that uses a form):

```
import { FormsModule } from '@angular/forms';

@NgModule({
    imports: [ FormsModule ]
})
export class AppModule { }
```

Then, you give each input field a **name** attribute and apply the **ngModel** directive. Angular creates a Control object for that input field under the hood. This will give us limited control over validation (e.g required, min length and max length via HTML5 attributes).

```
<form>
    <input name="country" ngModel>
</form>
```

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Showing Validation Errors

You declare a template variable (**#country**) and set it to **ngModel**. When Angular sees this, it'll set that template variable to the underlying control object.

```
<input name="country" ngModel #country="ngModel" required>
<div
    class="alert alert-danger"
    *ngIf="country.touched && !country.valid">
     Country is required.
</div>
```

Showing Specific Validation Errors

```
<input name="country" ngModel #country="ngModel"
    required
    minlength="3">

<div *ngIf="country.touched && country.errors">
    <div *ngIf="country.errors.required" class="…">
       Country is required.
    </div>
    <div *ngIf="country.errors.minlength" class="…">
       Country should be minimum 3 characters.
    </div>
</div>
```

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Highlighting the invalid inputs

```
.ng-touched.ng-invalid {
    border: 1px solid red;
}
```

Disabling the submit button if form is invalid

```
<form #f="ngForm">
    …
    <button [disabled]="!f.valid">Submit</button>
</form>
```

Submitting the form

```
<form #f="ngForm" (ngSubmit)="onSubmit(f.form)">
    …
    <button type="submit">Submit</button>
</form>
```