# Angular Best Friends

## Module 7 Exercise 2 – Validation

## Goals

When using reactive forms, validation is normally done in the code, not in the template. During this exercise we’ll add validation to our reactive form.

## Steps

1. The initial status of the exercise is placed in the **Module7Exercise2 > initial** folder in the **Angular friends** repository.
2. Open it in VS Code. From the terminal run **npm install** to install the needed node modules.
3. Since we want validation to happen in the code we’ll have to adjust the template. So go to the **customer.component.html file**.
4. Locate the input for “firstName”. You’ll notice that it has 2 HTML validators. Simply delete them.
5. Let’s now switch over to the component class located in the **customer.component.ts** file. At the top add “Validators” to the imports from angular/forms. It should look like this:

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

1. In ngOnInit() where we define the form controls, locate the first name form control and replace it’s definition with the following code:

firstName: ['', [Validators.required, Validators.minLength(3)]],

1. Notice how we added the validators for required and min length.
2. Now you can test it. Run the application. Click in the first name textbox and then click out. It should display the validation message that the first name is required. Go back and write two letter in the text box. The validation message should now change and inform that the min length for the first name is 3 letter.