# Angular Best Friends

## Module 7 Demo 1 – Template driven form

## Goal

The goal of this demo is to take a deeper look at a template driven form. We’ll initially look at the markup and then we’ll take a look into the TypeScript code behind.

## Steps

1. You’ll find the demo sample app in the **Model7Demo1** folder of the Angular Friends repository.
2. Before the course, open the “**final**” folder in Vs Code. Run **npm install** to install all node modules and run the app once to make sure everything is ok.
3. Start the demo by running the app during the class and show exactly how the form works. Explain what’s on the screen, how validation works, how the child form works. Explain while playing with it what is displayed below the form where we see details about the form control.
4. Then let’s explain the code starting with the template. You’ll find the form in the “**customer**” folder > **customer.component.html** file.
5. Go through all major elements that we see there: novalidate, template reference variable of the form model, first name input with ngModel for two way data binding, ngClass directive to set the invalid style class, validation error spans and the save button
6. Now let’s focus on the code behind this form. You’ll find it in the **customer.component.ts** file.
7. When opening the file in VS Code make sure to sound surprise that in the TS file we don’t have actually too much code.
8. Explain that the customer instance is used to manage the customer data that we are binding to in our template. Eventually use F12 to go to the customer definition and see all the properties on the class
9. Explain the **save** function. In our case here we are printing the form in the console in JSON format. But here you would call the data service to save the created customer in the backend. We pass the form model from the template to this function.