# Angular

## What is?

Is a Javascript framework which allows you to create reactive Single-Page-Applications (SPAs). Also, Angular uses Typescript.

## Single-Page-Applications

It’s an application that has only a HTML page and it “changes the page” changing only the components (DOM), making the page faster and reactive.

## Angular CLI

### Create an app

ng new my-first-app –no-strict –standalone false –routing false

### Open a development server

ng serve

### Install bootstrap locally

npm install --save bootstrap@3

## Components

### ngModel

It can be a property of a tag to use the value of a component defined in the typescript file.

We need to add the package FormsModule from @angular/forms

**app.module.ts**

import { NgModule } from '@angular/core';

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

import { BrowserModule } from '@angular/platform-browser';

import { AppComponent } from './app.component';

@NgModule({

  declarations: [

    AppComponent

  ],

  imports: [

    BrowserModule,

    FormsModule

  ],

  providers: [],

  bootstrap: [AppComponent]

})

export class AppModule { }

**app.component.ts**

import { Component } from '@angular/core';

@Component({

  selector: 'app-root',

  templateUrl: './app.component.html',

  styleUrl: './app.component.css'

})

export class AppComponent {

  name = 'akuseru';

}

**app.component.html**

<input type="text" [(ngModel)]="name">

<p>{{ name }}</p>

## TypeScript

### What is?

It’s a superset of Javascript. It has more features than vanilla JS, names, classes, interfaces, types (which gives it it’s name).