If you want that a dropdown can also be closed by a click anywhere outside (which also means that a click on one dropdown closes any other one, btw.), replace the code of dropdown.directive.ts by this one (placing the listener not on the dropdown, but on the document):

import {Directive, ElementRef, HostBinding, HostListener} from '@angular/core';

@Directive({

selector: '[appDropdown]'

})

export class DropdownDirective {

constructor(private elRef: ElementRef) {}

@HostBinding('class.open') isOpen = false;

@HostListener('document:click', ['$event']) toggleOpen(event: Event) {

this.isOpen = this.elRef.nativeElement.contains(event.target) ? !this.isOpen : false;

}

}