Angular Elements

Angular Elements allow to Register an Angular Component with Browser so that if a custom tag is rendered in the browser outside of Angular Context(from React, VueJS, etc). Browser would render the Angular component.

Create a Component:

export class DisplayElementComponent {

@Input()

title!: string;

}

<p class="displayEl">{{title}}</p>

.displayEl {

color: red;

font-family: sans-serif;

font-size: 24px;

font-weight: bold;

}

Create Custom Element and Register it with Browser,

export class AppComponent implements OnInit {

constructor(private injector: Injector) {

}

ngOnInit() {

const htmlElements = **createCustomElement**(DisplayElementComponent, {injector: this.injector});

**customElements.define**('display-element', htmlElements);

}

}

Here, **createCustomElement** is an angular function and **customElements.define** is a browser function.

For older versions, you might need to define, **entryComponents**.

For older versions, if you also want to use it in Angular as a component as well then you might need to define **schemas: [CUSTOM\_ELEMENTS\_SCHEMA]** in **AppModule**.