JavaScript - Frameworks- Angular- Web Components

## Setup

### Add dependencies

Add angular web elements to the project:

npm install @angular/elements

### Update AppModule

Update AppModule to create a web component instead of bootstrapping a html element.

To do this:

* Remove bootstrap array
* Add component to entryComponents array, to bootstrap component
* Pass injector to webcomponent manually, to ensure DI works at runtime
* Create custom element using componentand createCustomElement.define(<el-selector>)

For example:

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

import { NgModule, DoBootstrap, Injector } from '@angular/core';

import { createCustomElement } from '@angular/elements';

@NgModule({

declarations: [

UIButtonComponent,

],

imports: [

BrowserModule,

],

entryComponents: [UIButtonComponent],

})

export class AppModule implements DoBootstrap {

constructor(private injector: Injector) {

const webComponent = createCustomElement(UIButtonComponent, {injector});

customElements.define('ui-button', webComponent);

}

ngDoBootstrap() {}

}

## Compatibility

### Build plus

Use ngx-build-plus to join bundles created by ng build into one, allowing for easier export to clients:

npm install ngx-build-plus

### Polyfills

Add webcomponent polyfills to project:

ng g ngx-build-plus:wc-polyfill