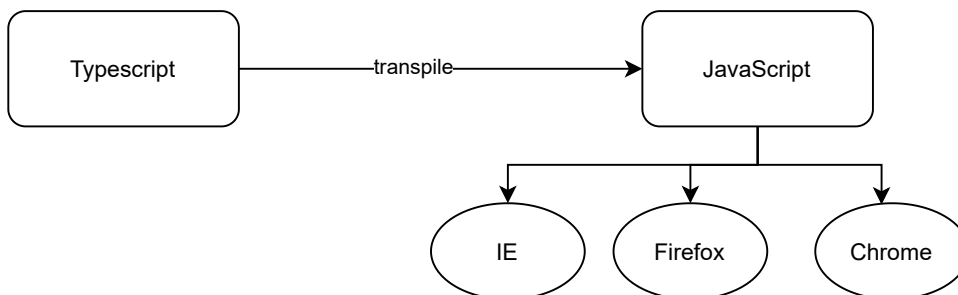


# NodeJS - Server side scripting

- Node Runtime Env (NRE)
- Node Native Module - e.g. http, event, utils, fs, events etc
- Node Package Manager (NPM)

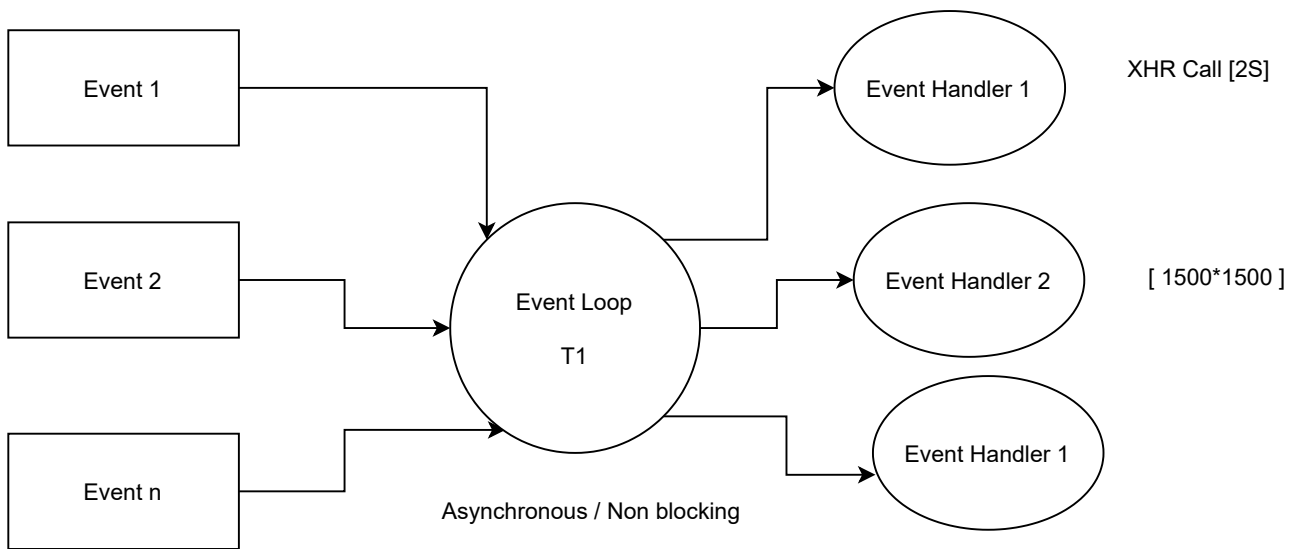
## JS Lib and Frameworks -

- jQuery : Lib - DOM manipulation, ajax
- React - data change very frequently; Virtual DOM - diffing algo
- VueJS : data-binding, templates, routing etc - Evan You
- \*EmberJS : changes internal API very frequently
- backboneJS : Client side MVC
- knockoutJS : 2 way data-binding, MVVM
- AngularJS (v1) : Library
- Angular (latest version) : Framework
  - 2 way data-binding
  - templates
  - routing
  - SPA
  - MV\* (MVC, MVP, MVVM)
  - DOM manipulation
  - many more
- NodeJS - Server-side platform
- ExpressJS - Server-side web app framework for JS app
- JS is Single threaded programming languages
  - async behaviour
- ASP / JSP



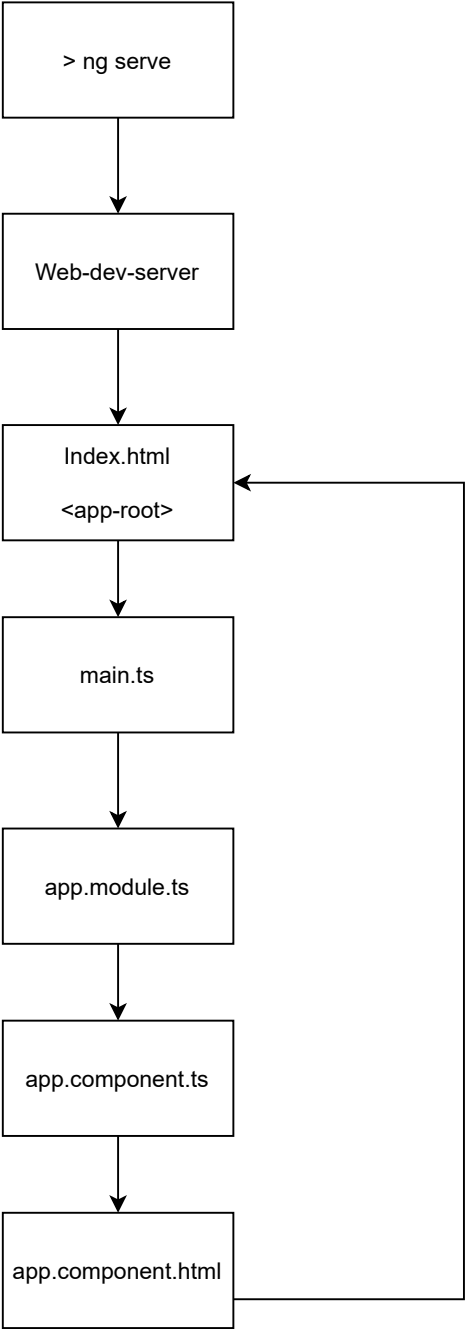
## Transpilers :

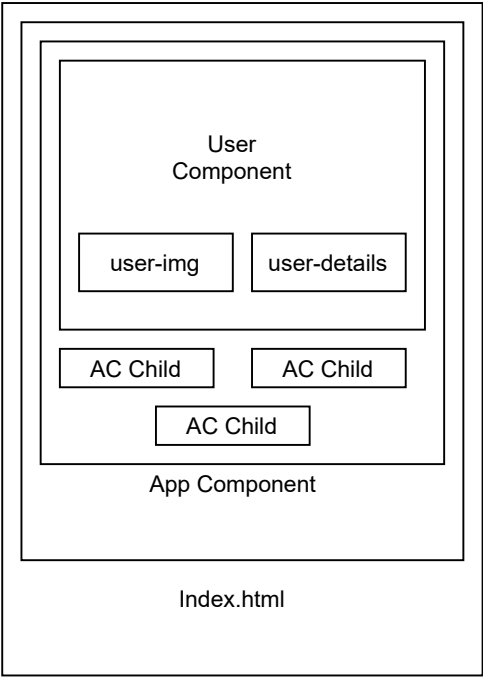
- babel
- typescript compiler
- traceur



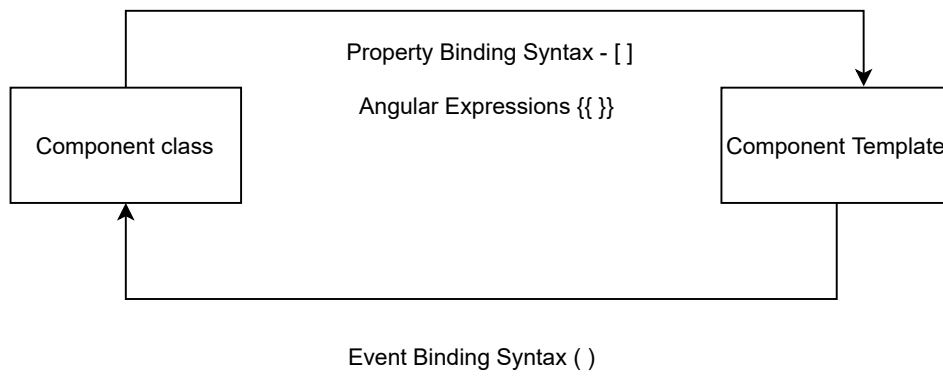
## Handling Async Behaviour -

- Callbacks
- Promises
- Async ... await
- Observable





Browser  
/ UI



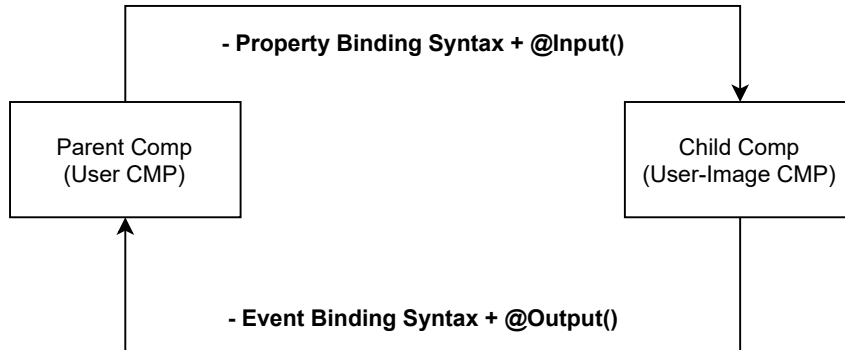
### **2 way data-binding -**

**- Property Binding + Event Binding**

**- Banana in the box [ ( ngModel ) ]**

**> npm install bootstrap@4 --save**

## Component Communication



## Parent to Child Communication

- Property Binding + @Input() for model only
- Data Projection using <ng-content> for formatted data
- Services (angular building block)

