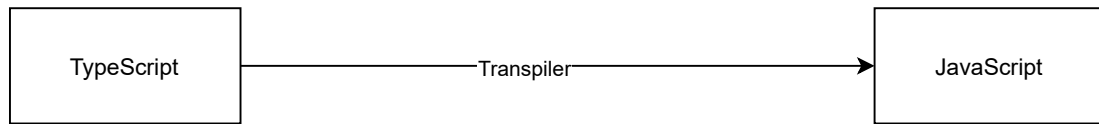


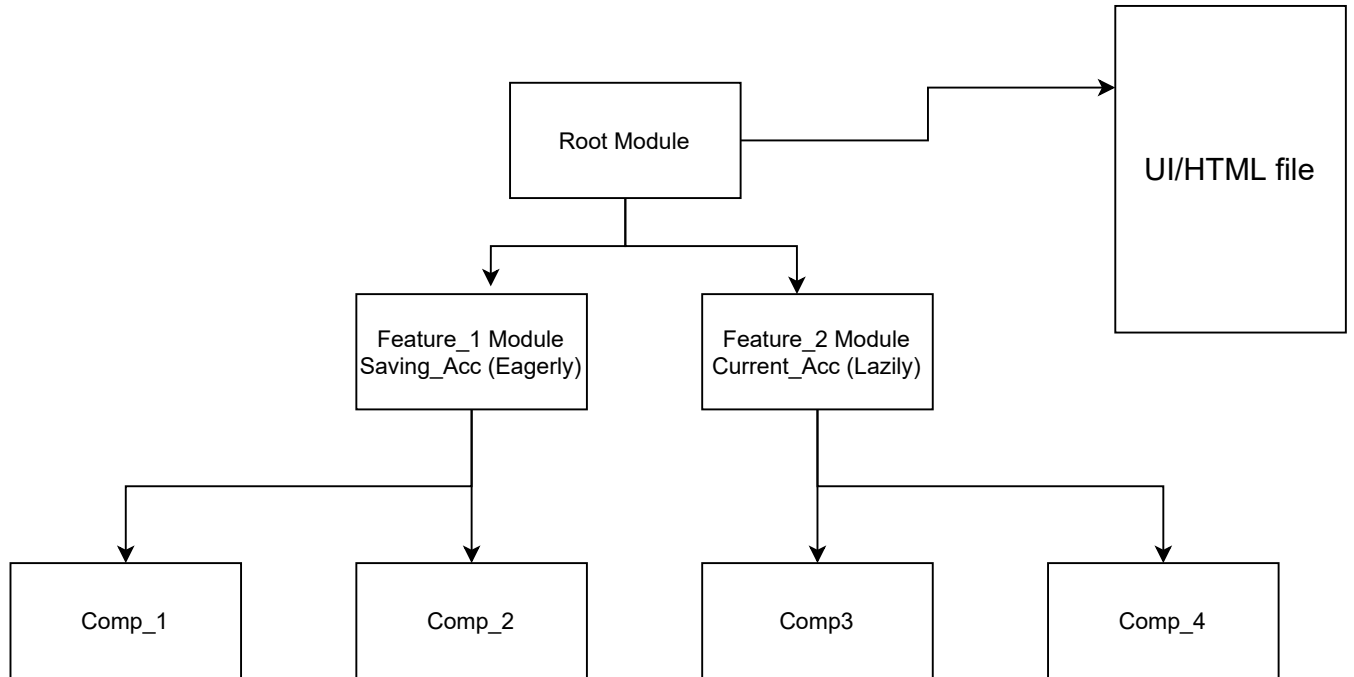
Converting TypeScript to JavaScript



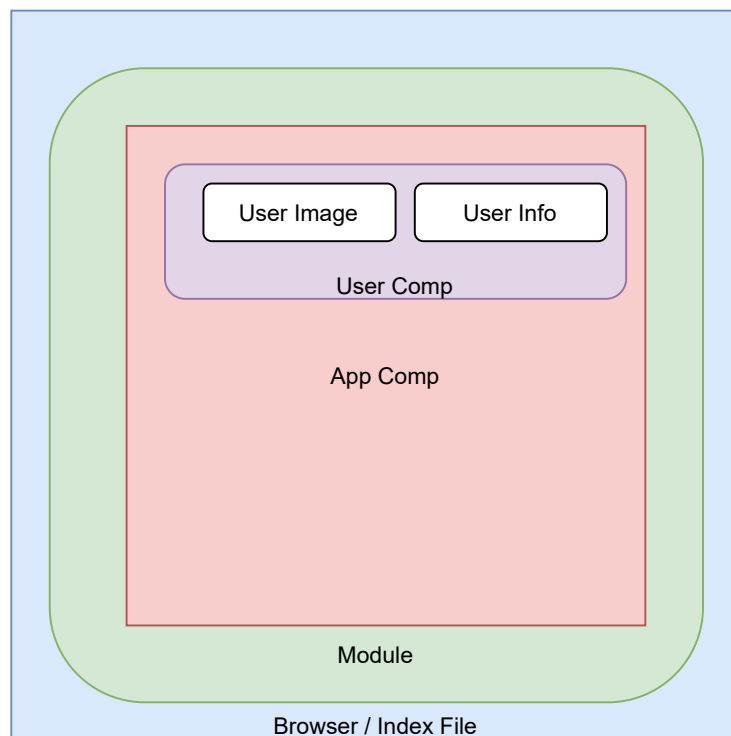
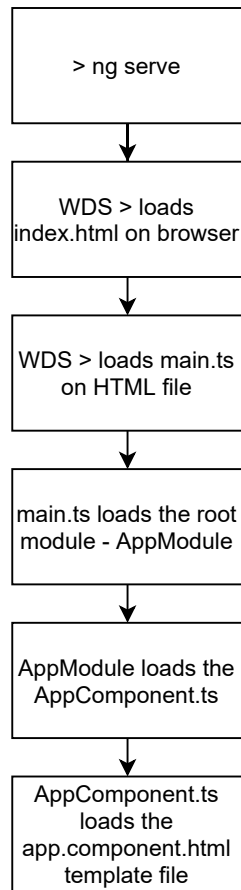
TypeScript (TSC), Babel

`npm install typescript -g`

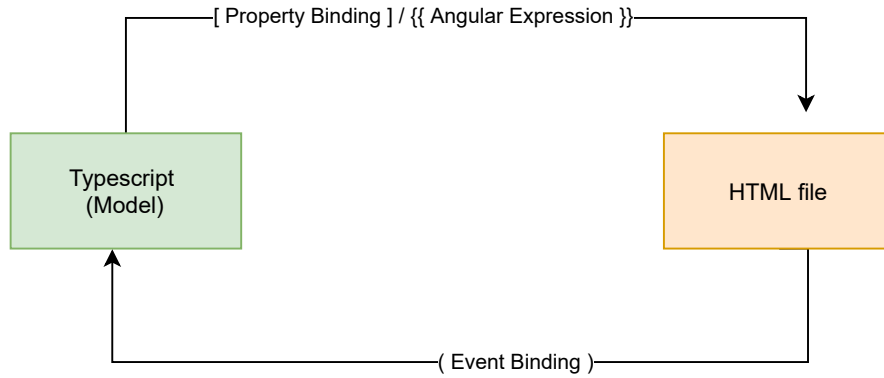
Angular App Architecture



Angular Bootstrap Process



Data Binding

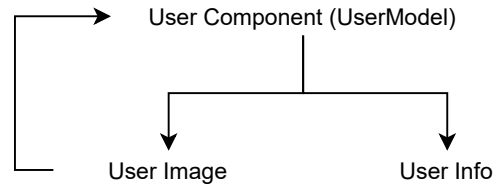


2 way data-binding

- a. Property Binding + Event Binding
- b. `[(ngModel)]` - "Banana in the box"

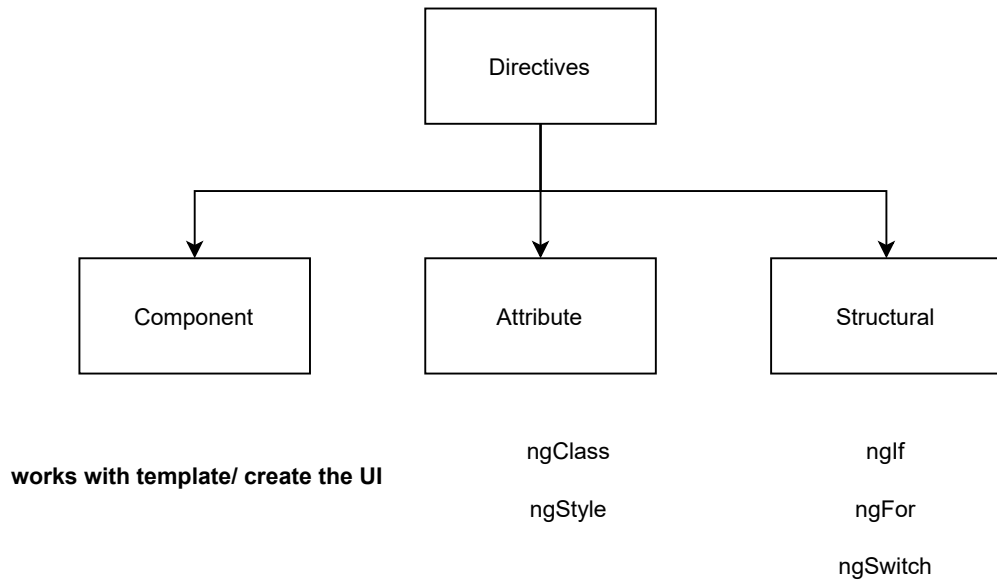
Parent to Child Component Communication

1. Property Binding + Input () : to supply the model (data)
2. Data Projection : to supply the formatted data - <ng-content>
3. Using Services : when we want share the same instance

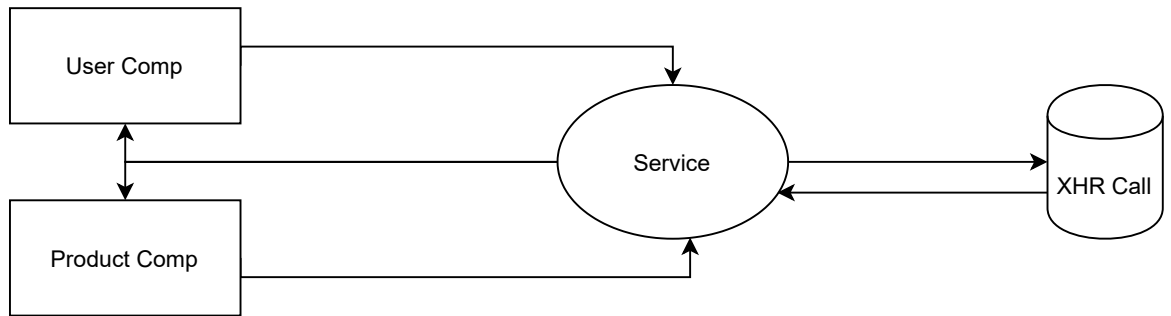
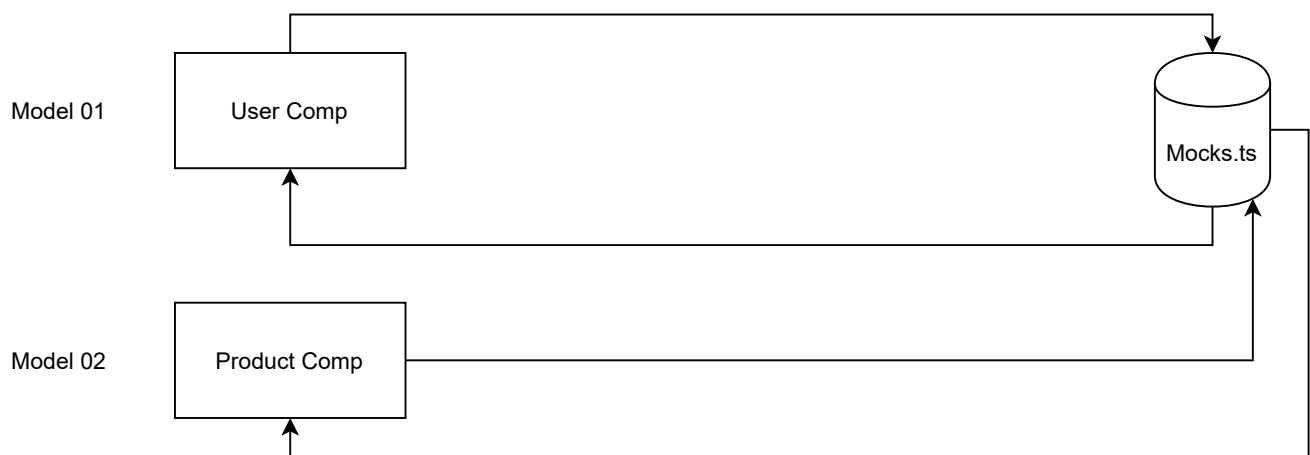


Child to Parent Communication
1. Event Binding + Output ()

Directives



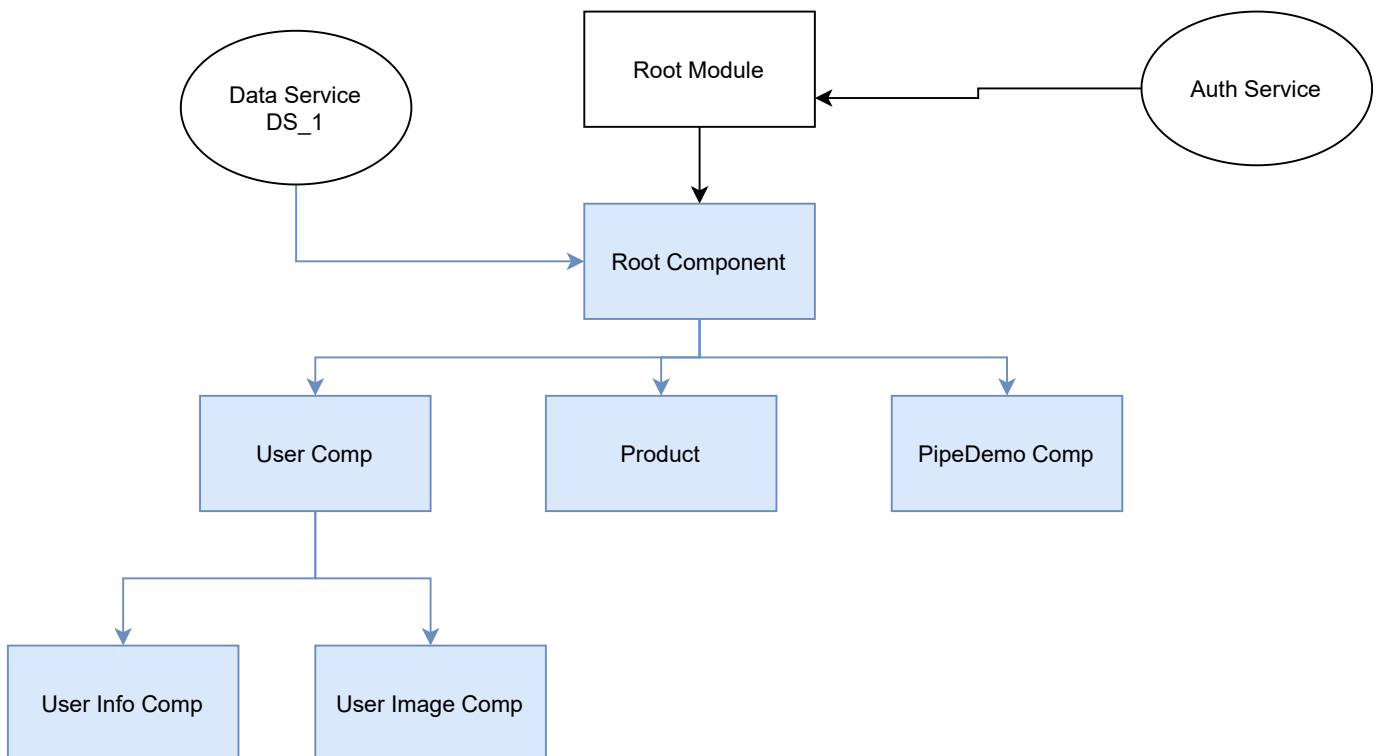
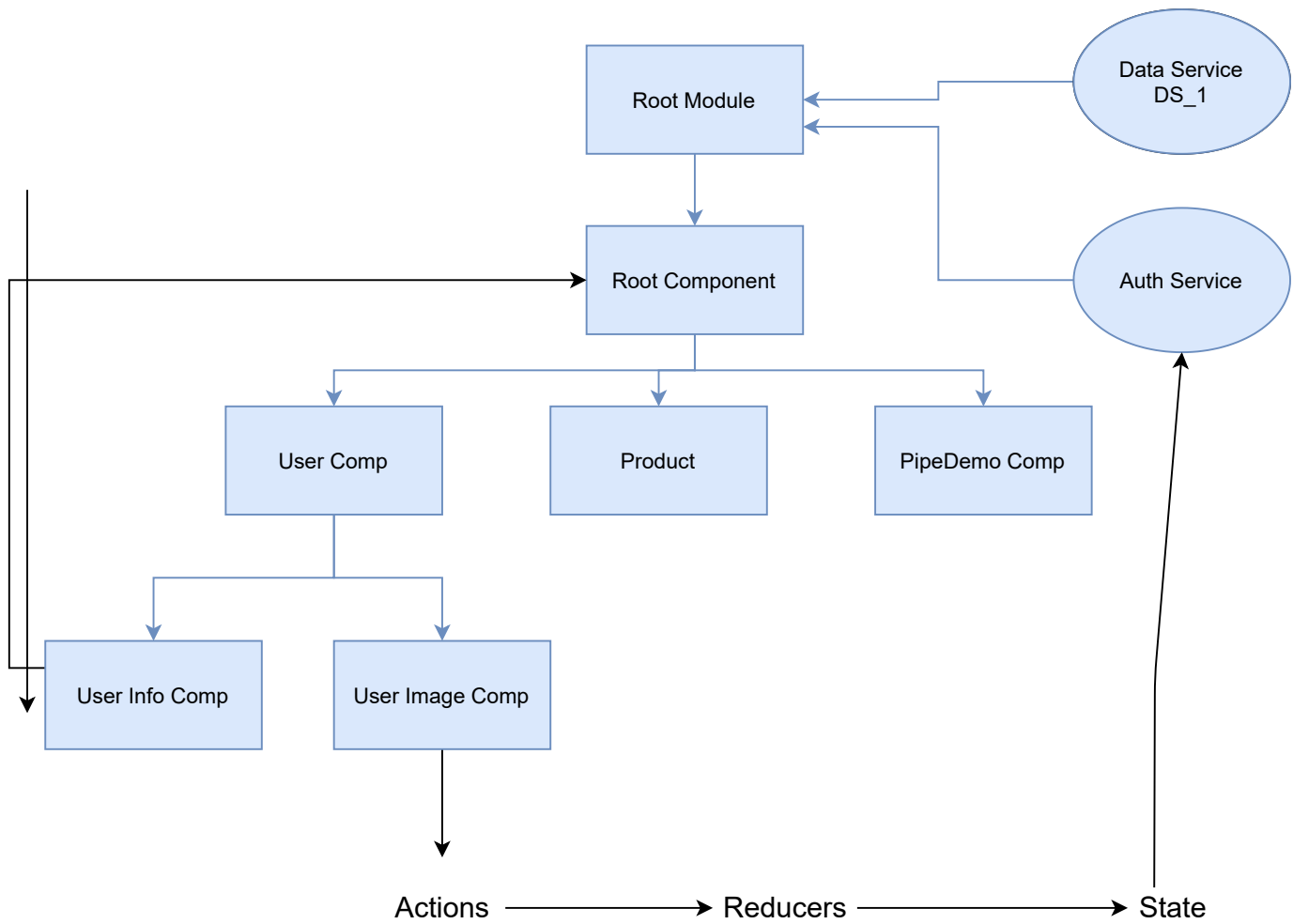
Services



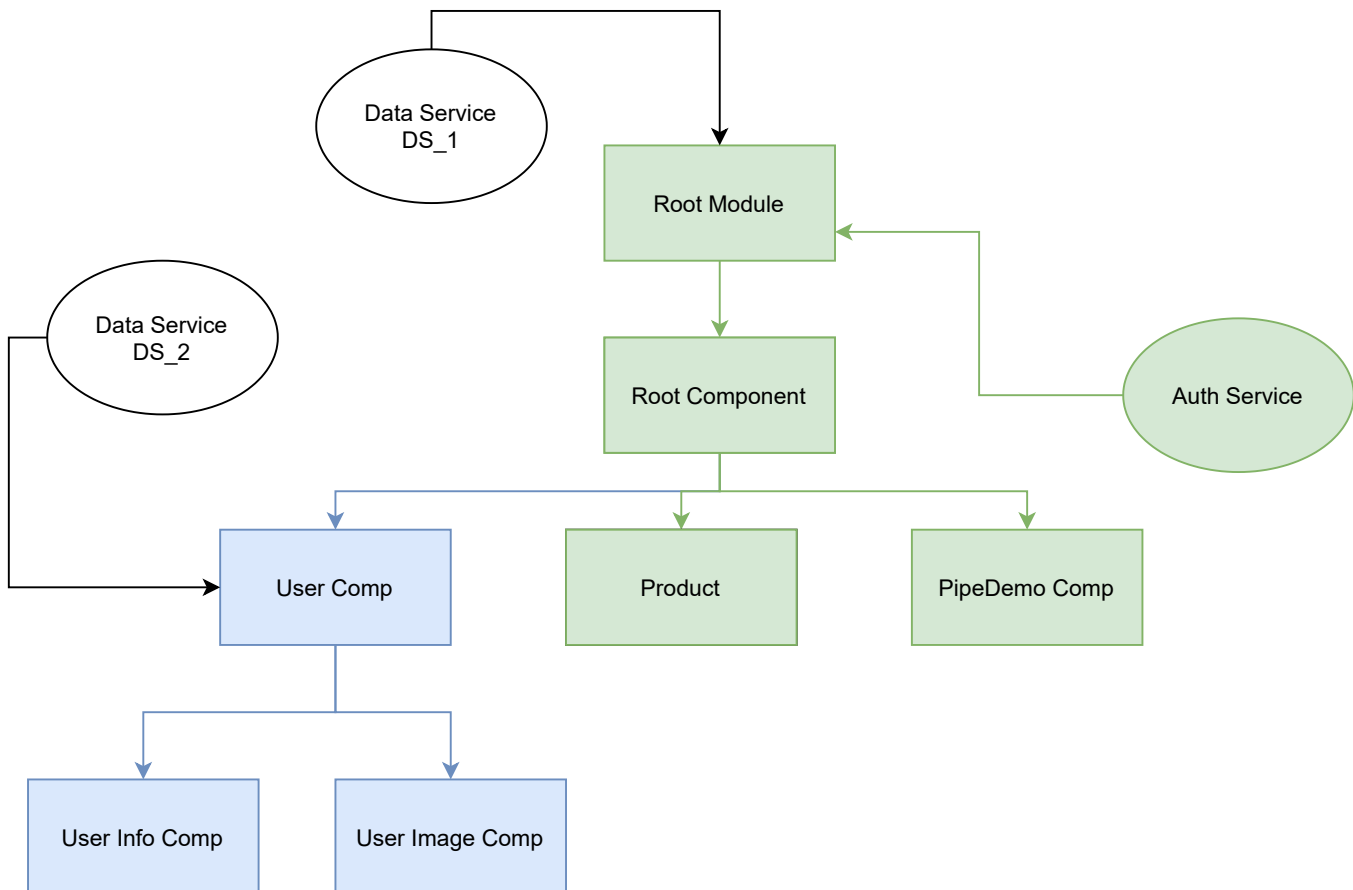
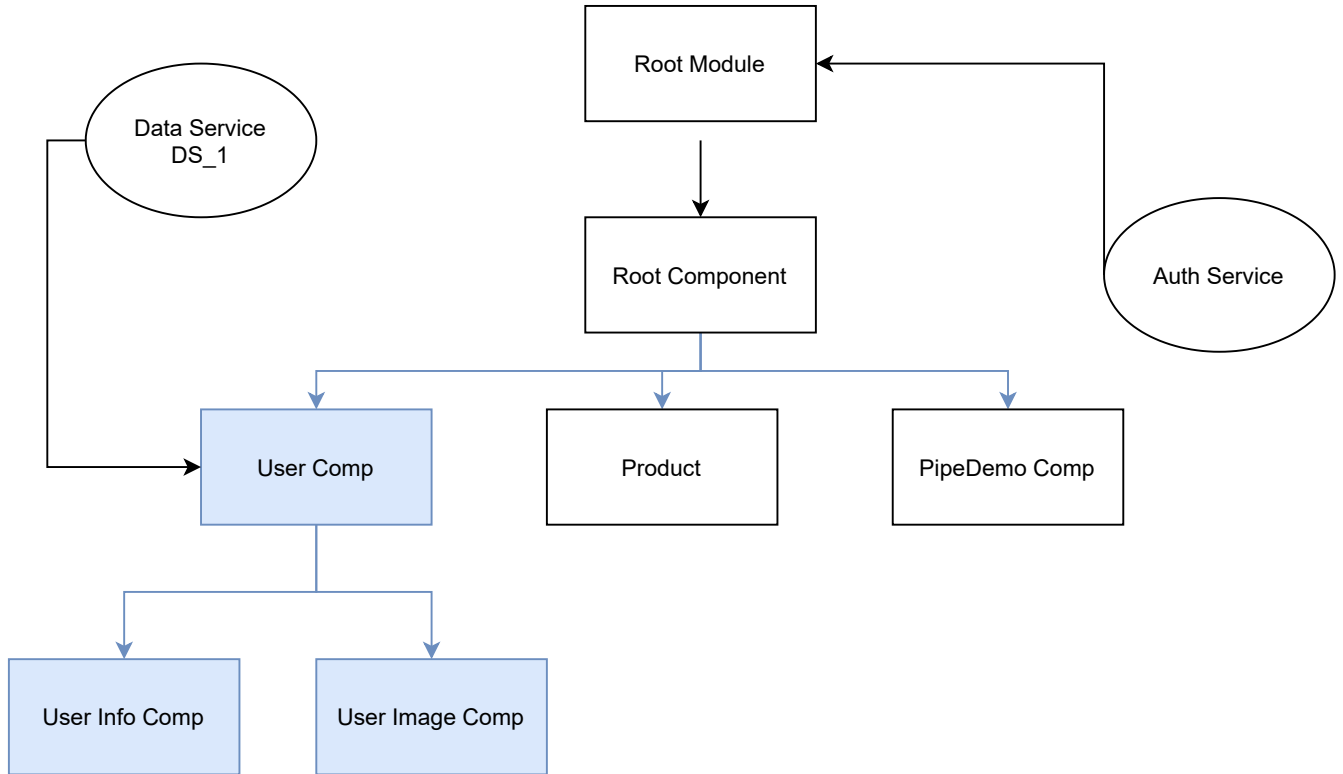
Services : 2 principles

1. Single Responsibility Principle
2. Dependency Injection Principle

DI : Hierarchical Injection



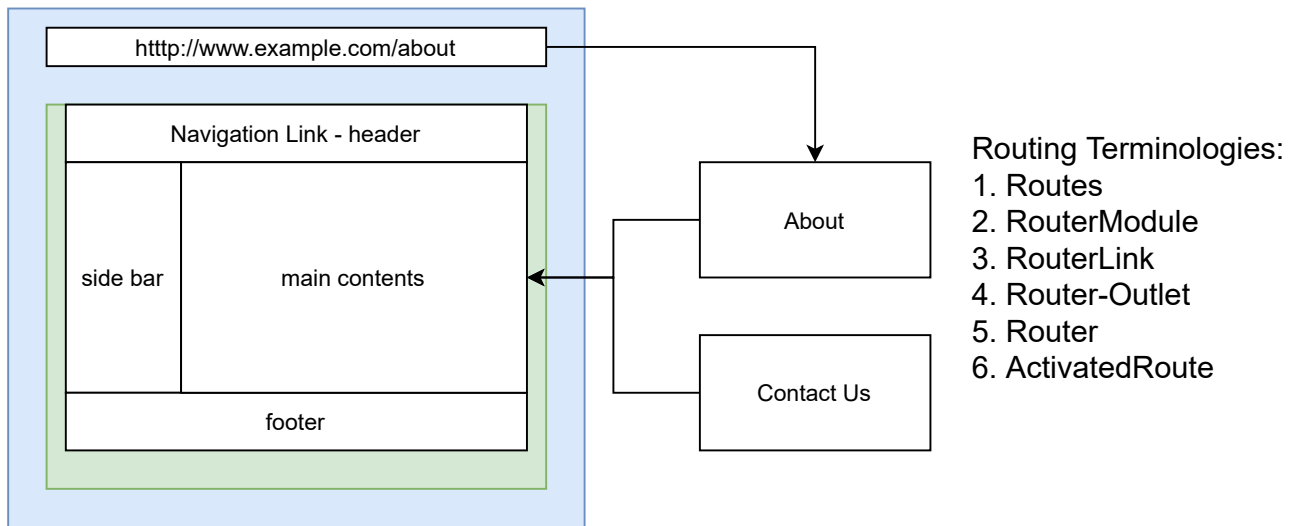
DI : Hierarchical Injection



Asynchronous Programming

1. Callback
2. Promises : one time shot; not Cancellable
3. Async...Await
4. Observable : continuously observing the data source;
Cancellable

Working with SPA



Two Modes :

1. HTML5 Mode (default)

<http://www.example.com/index.html/about>

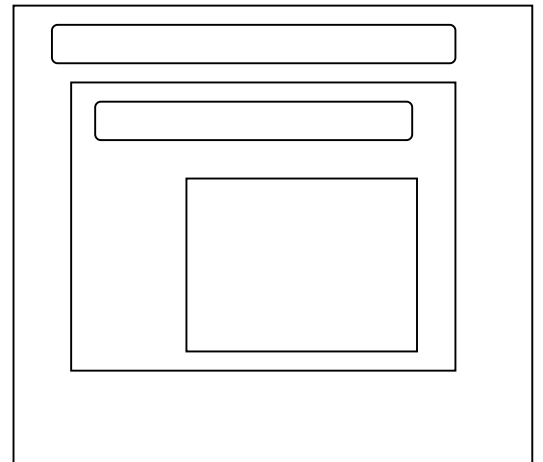
2. Hashbang Mode

<http://www.example.com/index.html#about>

<http://localhost:4200> -> /
<http://localhost:4200/about> -> /about

<http://www.ericsson.com/sub-domain> - > /sub-domain

<http://localhost:4200/product/overview>
<http://localhost:4200/product/specification>



Interceptors

