

Component Communication -

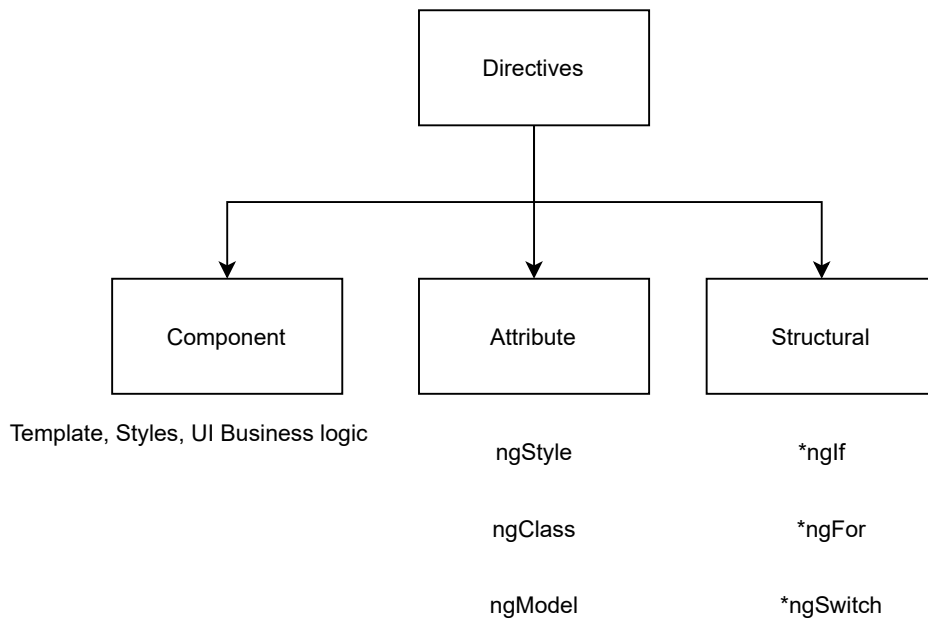
Parent to Child Communication -

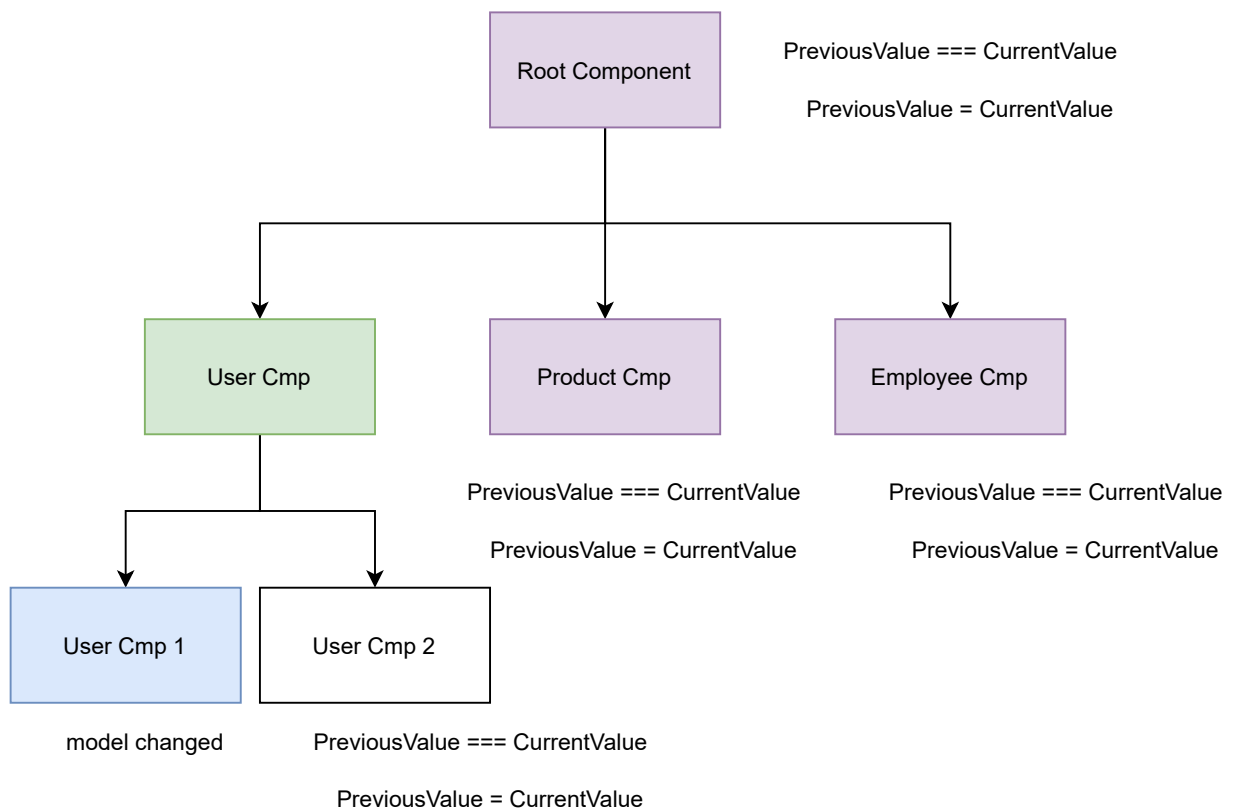
- @Input() + Property Binding Syntax

Child to Parent Communication -

- @Output() + Event Binding Syntax

Data Projection - Formatted Data from Parent to Child : <ng-content>





Digest Cycle -

- Events
- Timers
- Model Change
- XHR Call is resolved

Change Detection Strategies -

- Default - starts the DC from Root Component
 - OnPush - when to start the DC, from which level
 - : Immutable Structure
- ```

: coll = []

: coll.push(newItem);

: let str = "String";

str = "New String";

```

`$apply() - v1 | $digest() | $watch()`

## Template Driven

- Entire Form is represented by "ngForm"
- HTML5 Validation - required, minLength, pattern etc
- Validation logic in template
- Synchronous Forms
- Import FormsModule

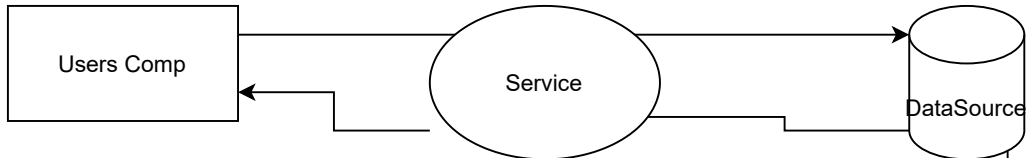
## Model Driven

- Entire Form is represented by FormGroup
- Each Form control represented by FormControl
- Angular Validation - required, minLength, pattern etc
- Validation logic in Component Class
- Import ReactiveFormsModule

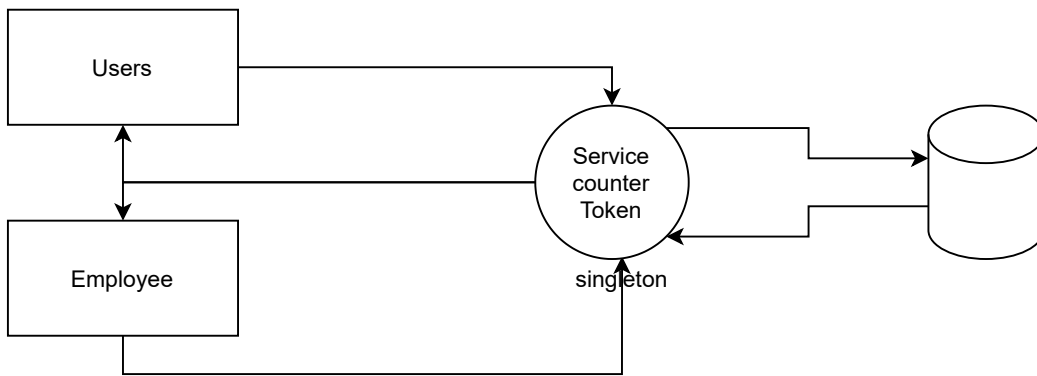
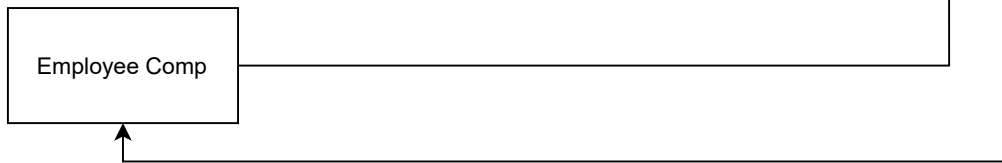
# Services - 2 principles

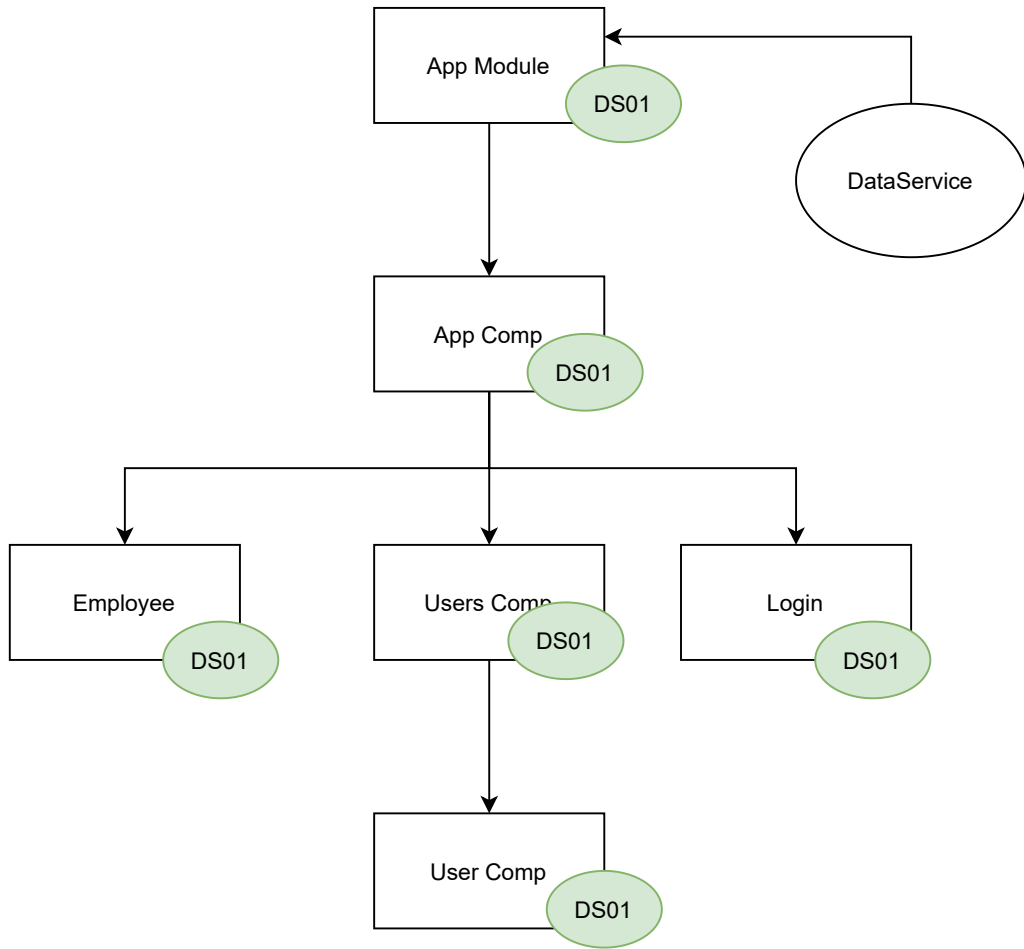
- SRP : Single Responsibility Principle
- DIP : Dependency Injection Principle

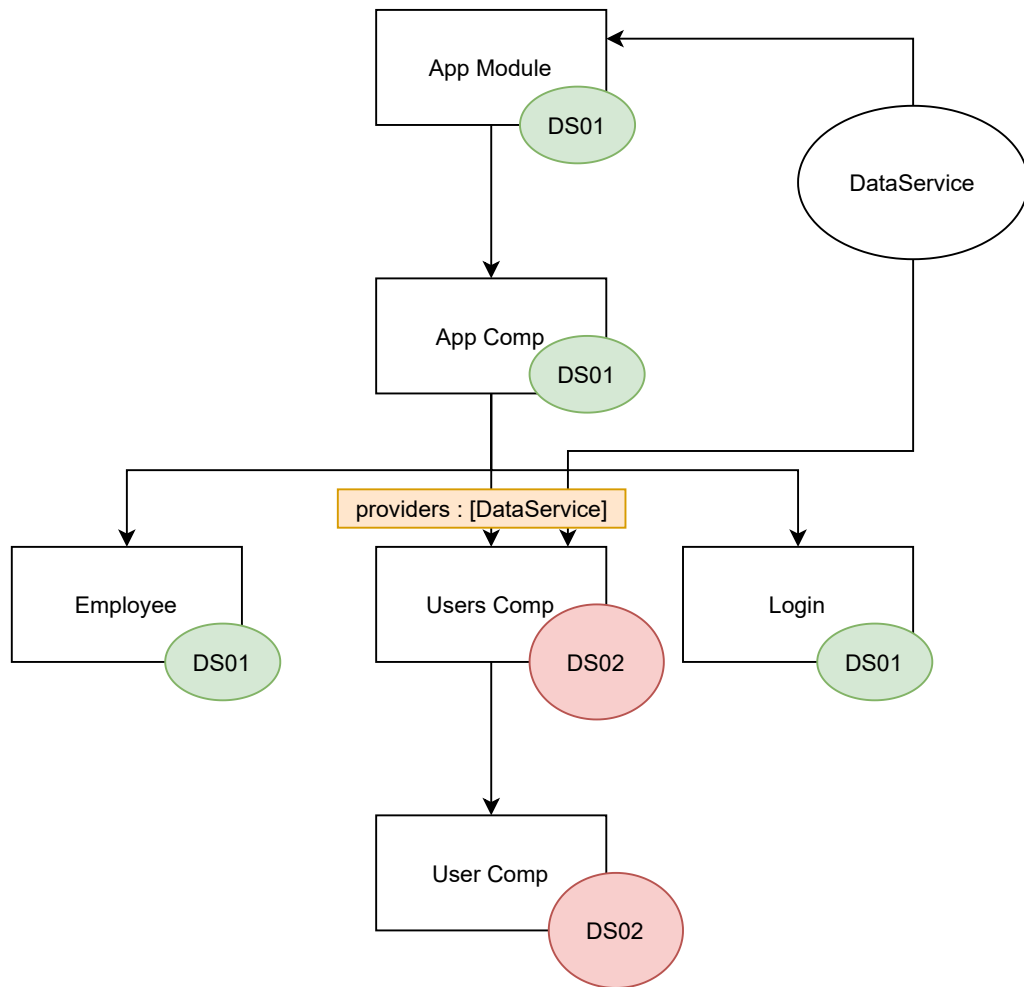
Model - 01

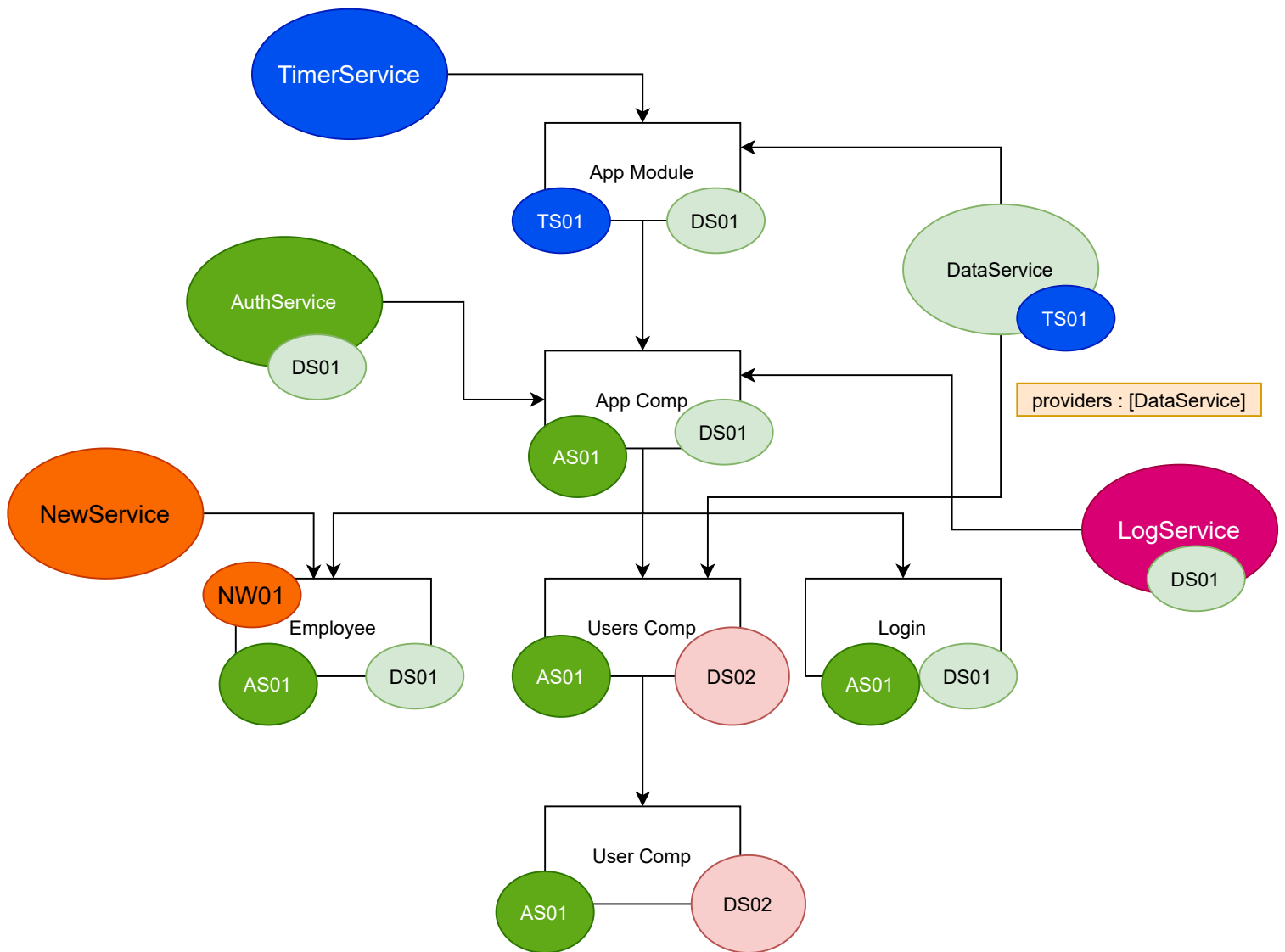


Model - 02





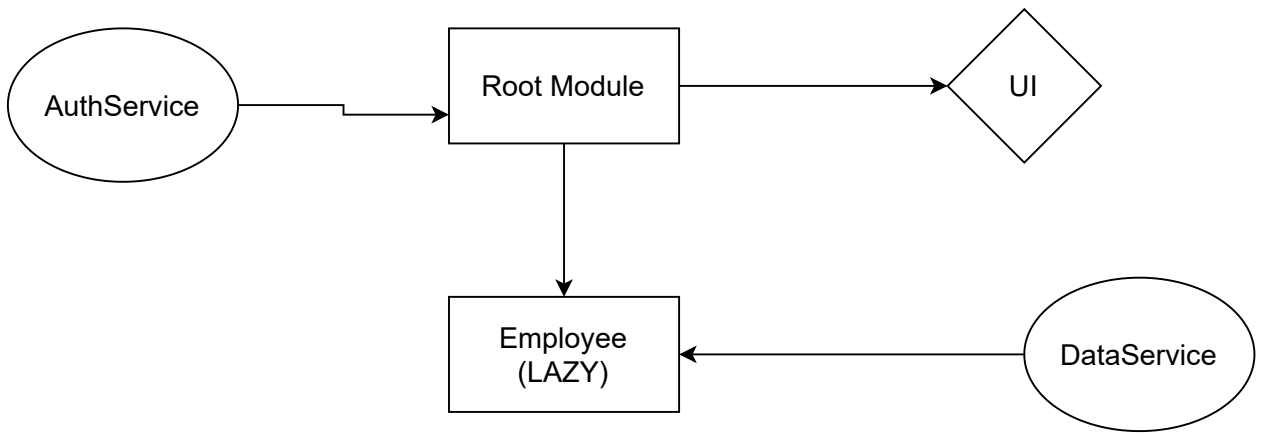




- Module Injection : Same instance is available to all the components as well all the services

- Component Injection : Same instance is available to all the child components but not in other services





# Async Behaviour -

1. Callback functions
2. Promises
3. Async...Await
4. Observable API

