



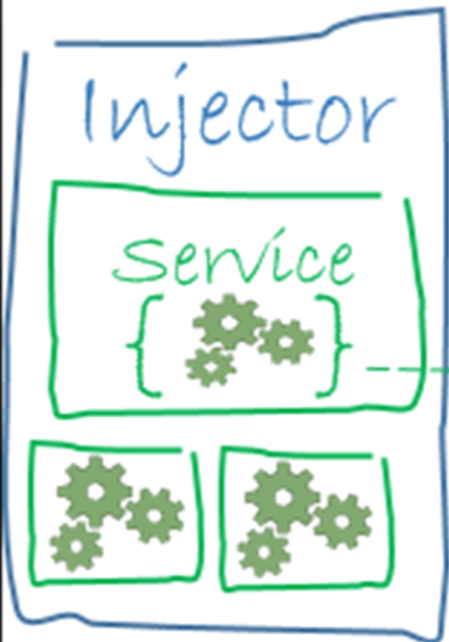
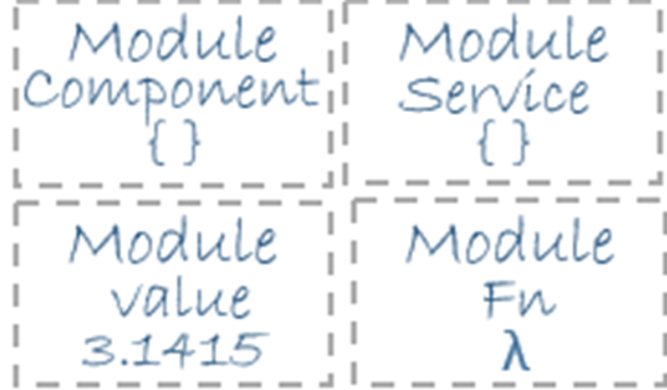
# Angular

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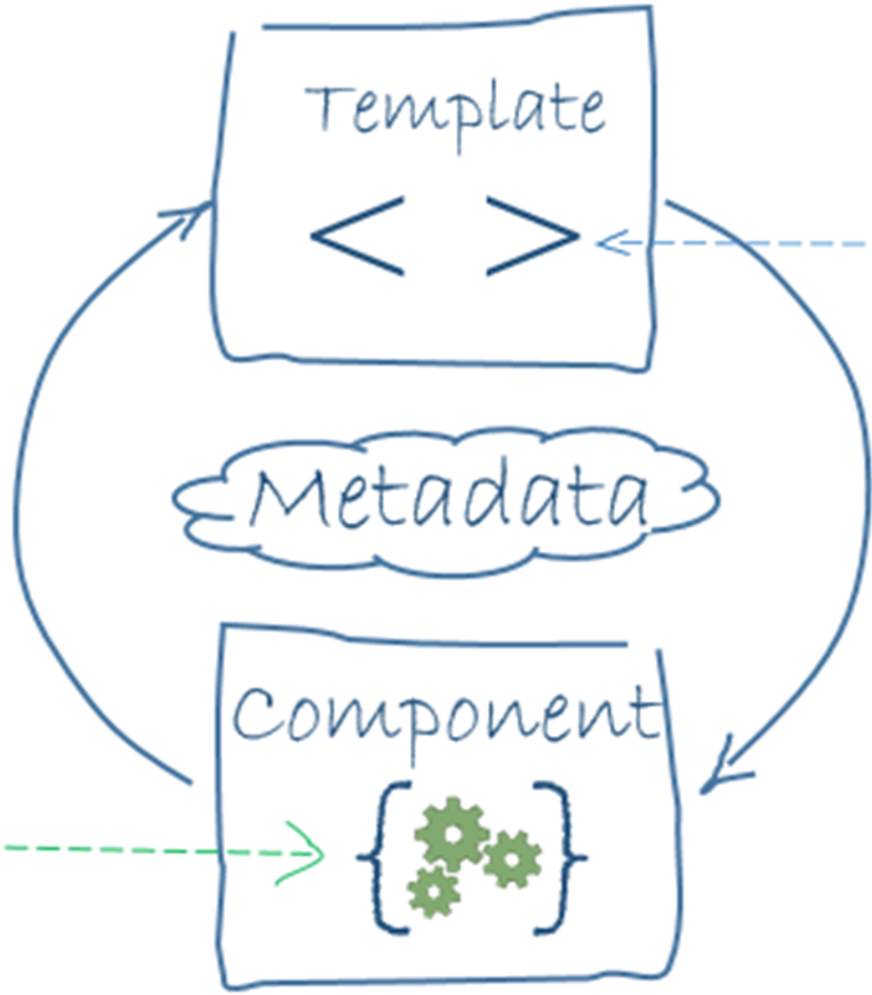
SPS 2020

Angular is a development platform for building mobile and desktop applications.

You write Angular applications by **composing HTML templates** with Angularized markup, writing **component classes** to manage those templates, adding application logic in **services**, and **boxing components and services in modules**.



Property Binding



Event Binding



# Modules (NgModules)

- Groups related "stuff" together
- Hides implementation details

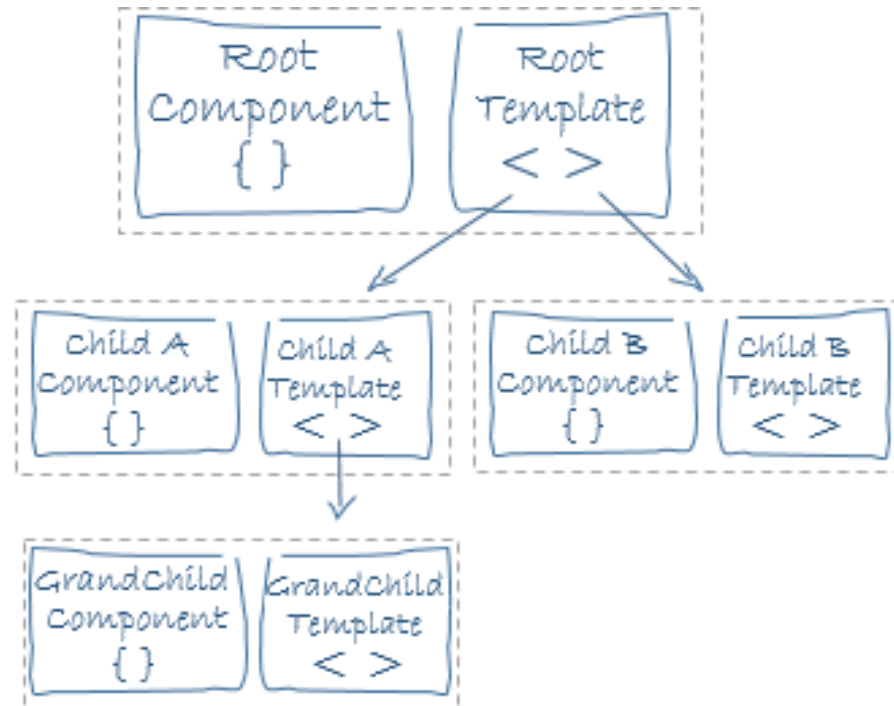
```
import { NgModule }      from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';
@NgModule({
  imports:      [ BrowserModule ],
  declarations: [ AppComponent ],
  exports:     [ AppComponent ],
  bootstrap:   [ AppComponent ]
})
export class AppModule { }
```

# Components

- Control a patch of screen called a view

# Templates

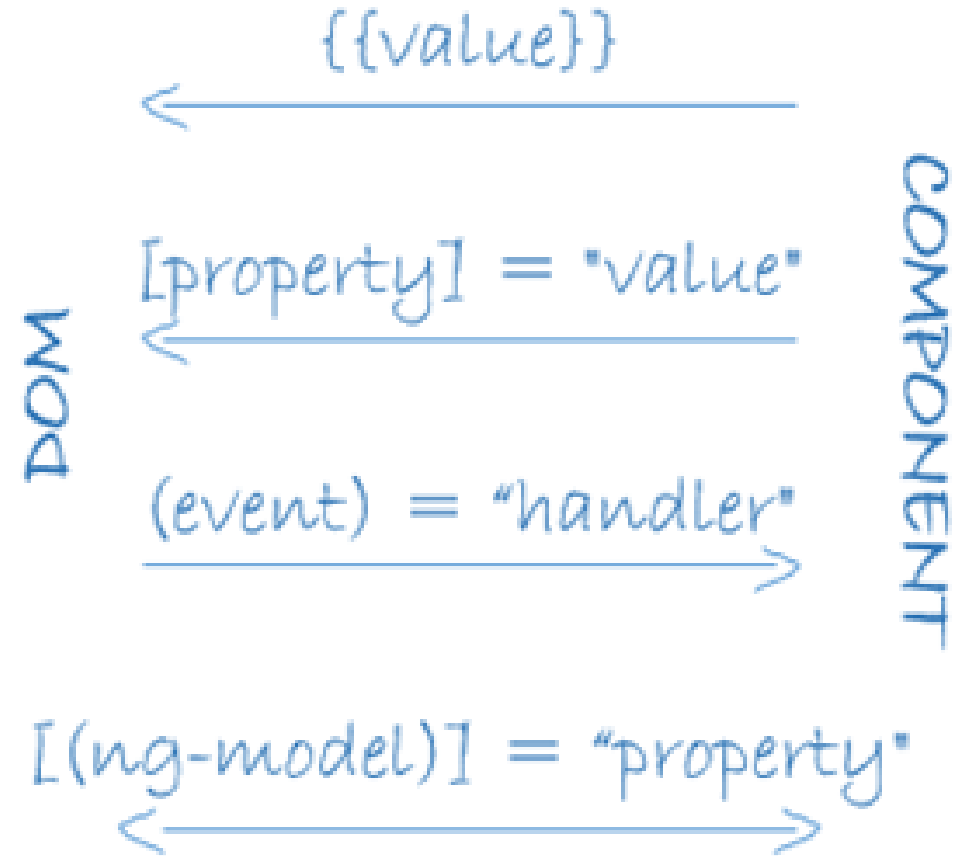
- Form of HTML that tells Angular how to render the component



# Data binding

- mechanism for coordinating parts of a template with parts of a component. Add binding markup to the template HTML to tell Angular how to connect both sides

```
<li>{{hero.name}}</li>  
<hero-detail [hero]="selectedHero"></hero-detail>  
<li (click)="selectHero(hero)"></li>
```



```

1 reference
49 private renderItem(item: RowData) {
50     return (<Text>{item.userName}</Text>);
51 }
52
4 references
53 render() {
54     return (
55         <View style={styles.container}>
56             <Text style={styles.welcome}>
59             <FlatList
60                 data={[{ userName: 'Jill'
61                 renderItem={ctx => this.renderListItem(ctx.item)} />
62

```

```

(method) Users.renderListItem(item: RowData): JSX.Element
@param item — Item to render.
@return — Rendered row.

```

# Typescript

- Primary language for Angular application development
- JavaScript with design-time support for type safety and tooling