



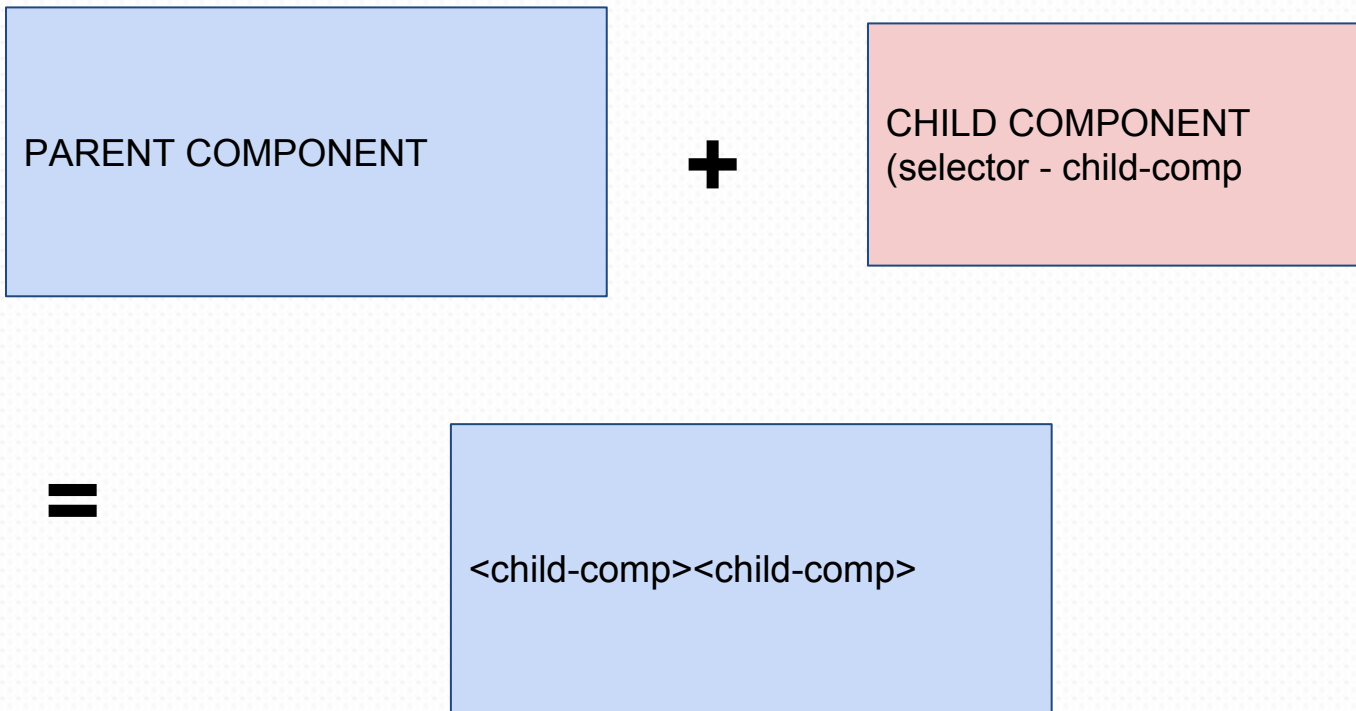
# Angular - Shared Component

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# We will cover with the following concepts

- 1) Component as a directive
- 2) Passing input to a component
- 3) Noticing the action of a component
- 4) Custom Pipe

# Angular gives you the power to create Nested Components



# The Process of creating component as a directive is very simple

- 1) Create the components inside the shared modules. Make sure that they are part of the declarations array of the module.
- 2) Add the name of components in the Exports array, so that it is exported.
- 3) Import the shared module in the chat module(where you need to install it)
- 4) Use the component as a directive in components of chat module (where you imported it)
- 5) In the shared component code, if you want to get input from the parent component, use the @Input() decorator.

# You can create a custom pipe as well

Lets create a pipe to remove special characters from the chat message

- 1) Create the folder for the pipe
- 2) Create the .pipe.ts file.
- 3) Import Pipe and PipeTransform and use @Pipe decorator.
- 4) Implement the PipeTransform interface and then write your logic in the transform function.
- 5) Add the pipe in the declarations array of the module where you want to use this pipe.

# There is more to learn

<https://angular.io/guide/attribute-directives>

# The next steps are ...

Interfaces