

# Structural Directives

Jogesh K. Muppala



THE DEPARTMENT OF  
**COMPUTER SCIENCE & ENGINEERING**  
計算機科學及工程學系



香港科技大學  
THE HONG KONG UNIVERSITY OF  
SCIENCE AND TECHNOLOGY

# Directives

- Angular templates are dynamic
- Directives give instructions to Angular on how to render the templates to the DOM
- A directive can be defined in Angular as a class with the `@Directive` decorator
- A component is a special kind of directive with a template associated to it
- Two other kinds of directives in Angular: Structural and Attribute

# Structural Directive

- Allows you to alter the layout by adding, removing and replacing elements in DOM
- Apply a structural directive to a host element in the DOM and its descendants

# Common Structural Directives

- NgIf

`<div *ngIf="selectedDish"> . . . </div>`

- NgFor

`<mat-list-item *ngFor="let dish of dishes">`

- NgSwitch