

Front-End JavaScript Frameworks: AngularJS

Course Overview

Jogesh K. Muppala

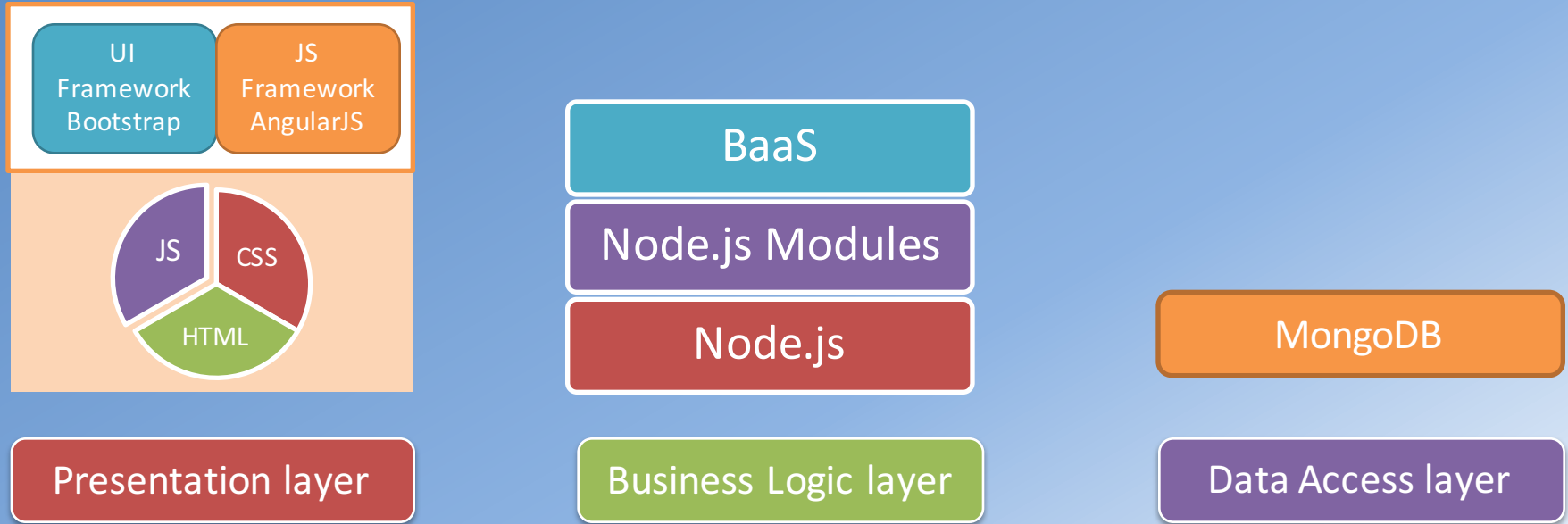


THE DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING
計算機科學及工程學系



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

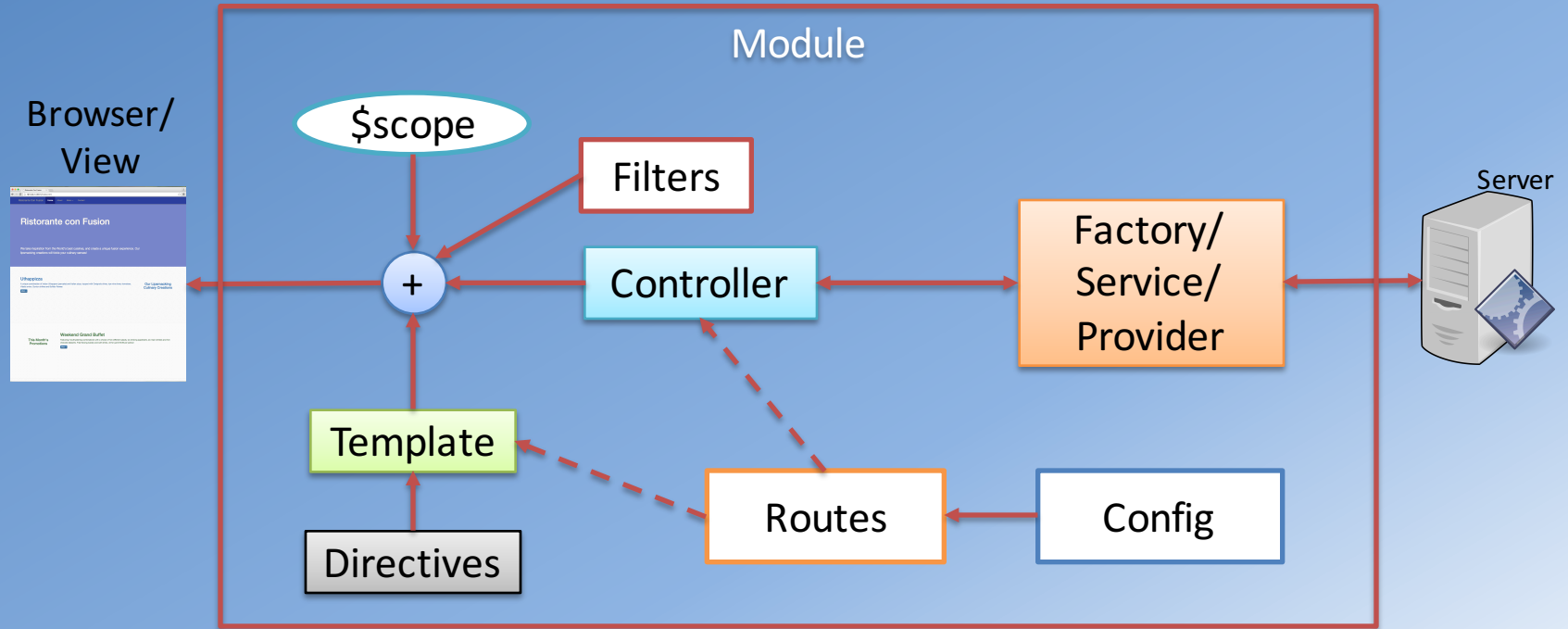
Full Stack Web Development



Course Outline

- AngularJS
- Web Tools:
 - Grunt
 - Gulp
 - Yo and Yeoman

AngularJS Overview



Module 1: AngularJS Overview

- Full Stack Web Development: The Big Picture
- Introduction to AngularJS
- Models, Views and Controllers
- Angular Filters
- Assignment 1

Module 2: Task Runners, Angular Scope, Forms and Form Validation

- Web Tools: Grunt and Gulp
- Angular Scope
- Angular Forms and Form Validation
- Assignment 2

Module 3: Single Page Applications

- Angular Factory, Service and Dependency Injection
- Angular Templates
- Angular ngRoute and Single Page Applications
- Angular UI-Router for Single Page Applications
- Assignment 3

Module 4: Client-Server Communication and Angular Testing

- Client-Server Communication
- Angular \$http Service
- RESTful Services and Angular \$resource
- Angular Testing
- Web Tools: Yo and Yeoman
- Assignment 4