Computer Society of India, Mumbai Chapter
Presents
Two days hands-on workshop on
Angular 5
Date: 26-27 October 2018 (Fri/Sat), 9:30 am to 5:30 pm, Mumbai

Introduction

Web development is evolving rapidly and creating mobile apps and web apps using light weight technologies is the Mantra for web development. Angular 5 is preferred because it serves the functionality offered by most of the client side technologies. It simplifies UI development and enables the User interface to connect with server side technologies like web Apis with minimal code. Angular 5 is smaller and faster to use.

Contents

Typescript
- Getting started
- Working with Tsc
- Targets
- Modules
- Types
- Interfaces
- Typescript classes
- Shapes
- Type Inference
- Decorators
- Property decorators
- Class decorators
- Parameter Decorators

Angular 5
Writing the first angular application
- Installing Angular 5
- Node js and npm
- Angular CLI
- Example project
- Writing and executing the application

Components
- Making a component
- Importing dependencies
- Component Decorators
- Adding a template with templateUrl
- Adding a template
- Adding CSS styles with styleUrls
- Loading the component
- Adding data to the component
- Adding Inputs
- Passing an input value

Using a service

Dependency Injection
- Providers using a class
- Providers using a Factory
- Dependency Injection in Apps

Routing
- The need for Routing
- How routing works
- Components of Angular Routing
  - Imports
  - Routes
  - Installing routes
  - RouterOutlet using <router-outlet>
  - Router Link using [routerlink]
- Wild Card Routes and Redirecting Routes
  *wild card
- Configuring a default route
- possible values for pathMatch
- Route parameters
- Confuring route parameters
- Reading route parameters by using the activated route service
- using the ParamMap observable
- Optional route parameters
- CHild routes

Data Architecture
- Data Architecture with Observables

Templating & Styling with HTML & CSS
- Property & Event Binding
- Animation
- Services

Dependency injection
- Code without DI and its drawbacks

- cli command for creating a service
- Creating and using a service
- Injectable decorator

Builtin Directives
- NgIf
- NgSwitch
- NgStyle
- NgClass
- NgFor
- Getting an Index
- NgNonBindable

Forms and Angular
- Form controls and Form groups
- Loading the Forms Module
- Using FormBuilder
- Adding Validations

Watching for changes
- ngModel

- DI as a design pattern
- DI as a framework

Introduction to Redux with Typescript
- Action and reducer interfaces
- Reducer switch
- Action "arguments"
- An example of using Redux in angular

PIPES in ANgular
- strings
- numbers
- % pipe
- currency pipe
- specifying currecny for a country
- IAS currecny codes
- Date pipe
- short date format
- Overeiw of Angular Materials
- Promise in Angular 5
- Overivew of javascript promise
- An example of http service with promises

Objectives

This course will focus on web development using Angular 5. The participants will be able to create web pages in Angular 5 and also be able to consume Web Apis from Angular applications

Pre-requisites	Who should attend
Javascript, HTML, Ajax and JSON	1. Working professionals who want to upgrade to the latest trends in web development. 2. Freshers who want to enhance their profile by learning latest skills.

Faculty Profile

Ms. Lata Bhambwani

She has been in training for 17 years. She has conducted training at retail and corporate levels. She also conducts online and class room based trainings. She is a Microsoft Certified Trainer in Web Development.

Experience in technologies
Microsoft .NET technologies: 15+years
SSAS, SSIS & SSRS: 8+years
Client side web development technologies: 5+years

Current Skills: MVC5 & MVC6, C#, SSAS, SSIS, SSRS with SQL Server 2016, Sql Server 2016 Database Design & Implementation, ASP.Net Core, Advanced Javascript & ES6, HTML5, JQUERY, Angular 5, Bootstrap, Advanced Excel, Ms Office, R Programming, Typescript

Contact for Registration	Registration Fees /Terms & Conditions
Harsh Mane @ **CSI Mumbai Chapter** E-217, 2nd Floor, Floral Deck Plaza, MIDC, Near Sunrise Tower, Andheri East, Mumbai - 400093	- **CSI Member Rs. 10620/- Per Participant including GST** - **Non CSI Member Rs. 12980/- Per Participant including GST**

Tel:022 28235476 / 28235548 / 28235546
Mobile 9819089527, 9768550926
Email: sunita@events-csi.com /
harsh@csimumbai.org / info@csimumbai.org
http://www.csimumbai.org

- Group discount is available for minimum 5 number of registration.
- The cheque / DD in favour of "CSI Mumbai Chapter" Payable at Mumbai.
- The mentioned fees are inclusive of all taxes and charges.
- Registration fees covers courseware, lunch, Tea/Coffee and CSI Certificate.
- Payment is to be made in favour of "**CSI Mumbai Chapter**", **A/c No. 10606576641** payable at State Bank of India, MIDC, Andheri East, Branch, Mumbai-400 093, RTGS/NEFT Code: SBIN0007074, (All Major VISA / Master Credit / Debit cards will be accepted.

Participation only through advance registration, (Batch size 20 participants only)
Note – Out station participants need to confirm at least 5 days prior to the commencement of the training

Disclaimer: