

Certified Angular 6 Developer



Certified Angular 6 Developer

Vskills certification for Angular 6 Developer assesses the candidate as per the company's need for web application development using the Angular 6 JavaScript framework. The Angular 6 certification tests the candidates on various areas like, Components and Bindings, Directives, Pipes and Model-driven Forms, Material, CDK etc.

<u>Pre-requisite</u>: Knowledge of JavaScript, HTML/HTML5, computer networking and internet.

Why should one take this certification?

The certification is suitable for web developers, programmers and graduates wanting to excel in web application development areas. It is also well suited for those who are already working and would like to take certification for further career progression in web application development.

Earning Vskills Angular 6 Developer Certification can help candidate differentiate in today's competitive job market, broaden their employment opportunities by displaying their advanced skills, and result in higher earning potential.

Who will benefit from taking this certification?

Job seekers looking to find employment in Angular 6 or JavaScript framework under web development departments of various companies, students generally wanting to improve their skill set and make their CV stronger and existing employees looking for a better role can prove their employers the value of their skills through this certification.

Test Details

Duration: 60 minutesNo. of questions: 50

• Maximum marks: 50, Passing marks: 25 (50%)

There is no negative marking in this module.

Fee Structure

Rs. 6,999/- (Excludes taxes) *

*Fees may change without prior notice, please refer http://www.vskills.in for updated fees

Table of Contents

1. Web Development Basics

- 1.1 Web Application
- 1.2 HTML
- 1.3 CSS
- 1.4 JavaScript
- 1.5 Document Object Model (DOM)
- 1.6 XPath
- 1.7 Popular Web Browsers
- 1.8 Inspecting Elements in Browser

2. Introduction to Angular

- 2.1 Angular Basics
- 2.2 Angular Development History
- 2.3 What is AngularJS?
- 2.4 AngularJS Features
- 2.5 AngularJS Advantages
- 2.6 AngularJS Design Belief
- 2.7 AngularJS Architecture
- 2.8 How Angular works
- 2.9 What is MVC
- 2.10 What is MVVM

3. Angular Core Concepts

- 3.1 Angular Architecture and Building Blocks
- 3.2 Bazel Compiler
- 3.3 Ivy Renderer
- 3.4 Modules
- 3.5 Components
- 3.6 Templates, Directives, and Data Binding
- 3.7 Services and Dependency Injection
- 3.8 Routing
- 3.9 Angular Application Working
- 3.10 Angular Installation

4. Sample Angular Application

- 4.1 Angular Application Structure
- 4.2 Angular 6 Service Worker
- 4.3 Angular Universal Server-Side Rendering
- 4.4 Upgrading from AngularJS

5. TypeScript

- 5.1 TypeScript Basics
- 5.2 TypeScript Types
- 5.3 tsc
- 5.4 TypeScript Features
- 5.5 TypeScript Classes
- 5.6 Interfaces
- 5.7 TypeScript and JavaScript
- 5.8 Type Inference
- 5.9 Type Keyword
- 5.10 Decorators
- 5.11 Property Decorators
- 5.12 Class Decorators
- 5.13 Parameter Decorators

6. Angular CLI

- 6.1 Installing Angular 6 CLI
- 6.2 Angular 6 CLI Commands
- 6.3 CLI App Budgets

7. Sample Application

- 7.1 What you'll build
- 7.2 Setup
- 7.3 Master / Detail
- 7.4 Multiple Components
- 7.5 Services
- 7.6 Routing
- **7.7 HTTP**

8. Angular Component, Template and Data Binding

- 8.1 Component
- 8.2 Component Interaction
- 8.3 Displaying Data
- 8.4 Data Binding
- 8.5 Templates
- 8.6 Dependency Injection
- 8.7 Lifecycle Hooks
- 8.8 Angular 6 Web Component

9. Angular NgModules

- 9.1 Module Basics
- 9.2 JS Modules
- 9.3 NgModule Basics
- 9.4 Bootstrapping
- 9.5 Feature Modules
- 9.6 NgModule Metadata

- 9.7 NgModules and Components
- 9.8 NgModules and JavaScript Modules
- 9.9 Entry Components
- 9.10 Providers in Angular
- 9.11 Singleton Services
- 9.12 Lazy Loading Feature Modules
- 9.13 Sharing Modules
- 9.14 NgModule API
- 9.15 Angular Libraries

10. Angular Directives

- 10.1 Angular Directive Basics
- 10.2 Component or Directives
- 10.3 Attribute Directives
- 10.4 Structural Directives
- 10.5 Built-in Directives
- 10.6 Built-in Attribute Directives
- 10.7 Built-in Structural Directives

11. <u>Pipes</u>

- 11.1 What is a Angular Pipe
- 11.2 Using pipes
- 11.3 Built-in Pipes

12. Angular 6 Form Management

- 12.1 Form Basics
- 12.2 Template-driven Forms
- 12.3 Reactive or Model Driven Forms
- 12.4 Form Validation
- 12.5 Form State Management

13. Angular 6 Routing

- 13.1 Angular Routing Basics
- 13.2 <base href>
- 13.3 Router Imports
- 13.4 Route Configuration
- 13.5 Router Outlet
- 13.6 Router Links
- 13.7 Router State
- 13.8 Activated Route
- 13.9 Router Events

14. Angular 6 Promises, and Route Protection

- 14.1 Promises
- 14.2 Observables
- 14.3 RxJS Library
- 14.4 Route Protection

15. Angular 6 Animation

- 15.1 Animation Basics
- 15.2 Animation Setup
- 15.3 Simple Animations
- 15.4 Keyframe Animations
- 15.5 Parallel Animation Groups
- 15.6 Animation Callbacks

16. Angular 6 Material and CDK

- 16.1 Angular 6 Material Basics
- 16.2 Angular 6 Material Schematics
- 16.3 Angular 6 Material and Theming
- 16.4 Angular 6 Material's Typography
- 16.5 Angular 6 Material Customization
- 16.6 Angular CDK Common Behaviors
- 16.7 Angular 6 CDK Components

Sample Questions

1. How to include a prebuilt theme in Angular 6 application, without using the Angular CLI?

- A. By a <style> element in index.html
- B. By a <include> element in index.html
- C. By a <a href> element in index.html
- D. By a link> element in index.html

2. What is not a design goal of Angular?

- A. to decouple DOM manipulation from application logic. The difficulty of this is dramatically affected by the way the code is structured.
- B. to decouple the client side of an application from the server side. This allows development work to progress in parallel, and allows for reuse of both sides.
- C. to provide structure for the journey of building an application: from designing the UI, through writing the business logic, to testing.
- D. None of these

3. What do installing schematic enables to Angular Material in Angular 6?

- A. Ensure project dependencies in your app module
- B. Adds Prebuilt or Setup Custom Theme
- C. Adds Roboto fonts to your index.html
- D. All of these

4. What is not a benefit of dependency injection in Angular?

- A. easier testability
- B. better code organization
- C. better code modularization
- D. None of these

5. Which type of forms places most of the form handling logic within that form's template?

- A. Template-Driven Forms
- **B.** Reactive Forms
- C. Display Forms
- D. Permanent Forms

Answers: 1(D), 2(D), 3(D), 4(D), 5(A)

Certifications

➤ Accounting, Banking and Finance — Certified AML-KYC Compliance Officer — Certified Business Accountant

- Certified Commercial Banker
- Certified Commercial Banker
 Certified Foreign Exchange Professional
 Certified GAAP Accounting Standards Professional
 Certified financial Modelling Professional
 Certified Merger and Acquisition Analyst
 Certified Tally 9.0 Professional
 Certified Treasury Market Professional
 Certified Wealth Manager

> Big Data

ertified Hadoop and Mapreduce Professional

▶ Cloud Computing

- Certified Cloud Computing Professional

Design

- Certified Interior Designer

- ➤ Digital Media

 Certified Social Media Marketing Professional
 - Certified Inbound Marketing Professional
 Certified Digital Marketing Master

➤ Foreign Trade

Certified Export Import (Foreign Trade) Professional

➤ Health, Nutrition and Well Being

Certified Fitness Instructor

> Hospitality

- Certified Restaurant Team Member (Hospitality)

- ➤ Human Resources

 Certified HR Compensation Manager

 Certified HR Stafffing Manager
 - Certified Human Resources Manager
 - Certified Performance Appraisal Manager

- Certified Data Entry Operator
- Certified Office Administrator

> Project Management

Certified Master in Project Mangement

- Certified Real Estate Consultant

MarketingCertified Marketing Manager

Quality

- Certified Six Sigma Green Belt Professional
- Certified Six Sigma Black Belt Professional
- Certified TQM Professional

▶ Logistics & Supply Chain Management

- Certified International Logistics Professional
 Certified Logistics & SCM Professional
 Certified Purchase Manager
 Certified Supply Chain Management Professional

- ➤ Legal

 Certified IPR & Legal Manager

 Certified Labour Law Analyst

 Certified Business Law Analyst - Certified Corporate Law Analyst

➤ Information Technology

- Certified ASP.NET Programmer Certified Basic Network Support Professional
- Certified Basic Network Support Professional
 Certified Business Intelligence Professional
 Certified Core Java Developer
 Certified E-commerce Professional
 Certified T Support Professional
 Certified PHP Professional

- Certified Selenium Professional
- Certified SEO Professional
- Certified Software Quality Assurance Professional

➤ Mobile Application Development

- Certified Android Apps Develope Certified iPhone Apps Developer

Security

- Certified Ethical Hacking and Security Professional
 Certified Network Security Professional

- ➤ Management

 Certified Corporate Goverance Professional

 Certified Corporate Social Responsibility Professional
- **▶** Life Skills

- Certified Business Communication Specialist
 Certified Public Relations Officer
- Media

- Certified Advertising Manager Certified Advertising Sales Professional

- > Sales, BP0
 Certified Sales Manager
 Certified Telesales Executive

& many more job related certifications

Contact us at:

Vskills

011-473 44 723 or info@vskills.in

www.vskills.com