

This survey is part of a MSc dissertation about MVC frameworks in JavaScript. It can be answered in around 15 minutes and its goals are strictly academic.

Background

*** 1. In what country do you currently reside?**

*** 2. How many years of experience do you have in JS?**

- ☐ Less than 1 year
- ☐ 1 to 2 years
- ☐ 2 to 5 years
- ☐ More than 5 years

*** 3. How many years of experience do you have in AngularJS 1.x?**

- ☐ Less than 1 year
- ☐ 1 to 2 years
- ☐ 2 to 3 years
- ☐ More than 3 years

*** 4. What is the size of the largest application you have developed in AngularJS?**

- ☐ less than 1 KLOC
- ☐ 1 KLOC to 5 KLOC
- ☐ 5 KLOC to 10 KLOC
- ☐ More than 10 KLOC

*** 5. Which release of AngularJS are you using in your current development?**

- ☐ 1.0.x

- ☐ 1.1.x
- ☐ 1.2.x
- ☐ 1.3.x
- ☐ 1.4.x
- ☐ 1.5.0-beta.x
- ☐ Other (please specify)

From now on, please skip questions when you are not confident to provide an answer.



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Key Characteristics of AngularJS

Please rate how much value do you give to the following AngularJS features and characteristics.

6. Predefined components for organizing my code

1 (not valuable)

2

3

4 (very valuable)

☐☐☐☐

7. Dependency injection

1 (not valuable)

2

3

4 (very valuable)

☐☐☐☐

8. I can implement the models of my applications using plain old JS objects (POJO)

1 (not valuable)

2

3

4 (very valuable)

☐☐☐☐

9. The ability to specify templates directly in HTML documents

1 (not valuable)

2

3

4 (very valuable)

☐☐☐☐

10. Support to custom components (extending HTML syntax through directives)

1 (not valuable)

2

3

4 (very valuable)

☐☐☐☐

11. Ease of writing tests

1 (not valuable)

2

3

4 (very valuable)

☐☐☐☐

12. Almost no code is required to implement two-way data binding

1 (not valuable)

2

3

4 (very valuable)

☐☐☐☐

13. The ability to use HTML to declare User Interface (UI) behavior

1 (not valuable)

2

3

4 (very valuable)

☐☐☐☐

14. AngularJS provides a solution to manage many common problems in one place

1 (not valuable)

2

3

4 (very valuable)

☐☐☐☐

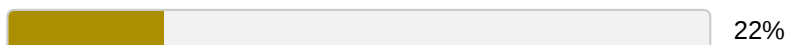
15. It is supported by Google

1 (not valuable)

2

3

4 (very valuable)

☐☐☐☐

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Code in HTML Templates

Please rate how often the following items represent a real problem (in your development) caused by code in AngularJS templates

16. Silent failures (i.e., failures that do not trigger error messages)

For an example, please check this [StackOverflow question](#)

1 (never)

2

3

4 (very often)

☐☐☐☐

17. Code hard to debug or variables hard to dump

1 (never)

2

3

4 (very often)

☐☐☐☐

18. Low readability of HTML templates

1 (never)

2

3

4 (very often)

☐☐☐☐

19. Code in templates hampers modularity and separation of concerns

1 (never)

2

3

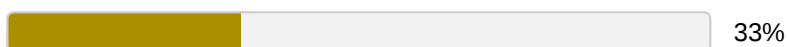
4 (very often)

☐☐☐☐

20. Have you ever placed large amounts of logic in HTML templates?

☐ Yes

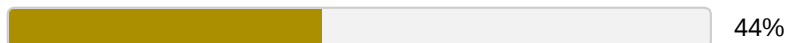
☐ No



Large Amounts of Logic in HTML Templates

21. Please select the reasons that led you to place large amounts of code in HTML templates

- ☐ My lack of experience on architecting web applications
- ☐ My lack of experience on using AngularJS abstractions to architect my applications
- ☐ My lack of experience on JS
- ☐ AngularJS design, which tends to foster this behavior
- ☐ Other (please specify)



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Debugging

22. How often do you use ngMock module for testing?

1 (never)

2

3

4 (very often)

☐☐☐☐

23. How useful is the default error stack-trace provided by AngularJS?

1 (useless)

2

3

4 (very useful)

☐☐☐☐

24. Have you ever overridden or decorated the \$exceptionHandler service?

☐ Yes

☐ No

Template Debugging

Please rank how often do you use the following strategies to debug binding expressions (like {{message}})

25. I use specialized tools (e.g., Batarang, ng-inspector)

1 (never)

2

3

4 (very often)

☐☐☐☐

26. I decorate the \$interpolate service

1 (never)

2

3

4 (very often)

☐☐☐☐

27. I implement custom AngularJS filters

For an example, please check this [StackOverflow question](#)

1 (never)

2

3

4 (very often)

☐☐☐☐

28. I fetch DOM elements and then I use the API provided by `angular.element()` to check their properties

1 (never)

2

3

4 (very often)

☐☐☐☐

29. If you often use another strategy, please describe it here:

Testing

Please rate how difficult is it to test the following items in AngularJS.

30. Controllers

1 (very easy)

2

3

4 (very difficult)

☐☐☐☐

31. Filters

1 (very easy)

2

3

4 (very difficult)

☐☐☐☐

32. Services

1 (very easy)

2

3

4 (very difficult)

☐☐☐☐

33. Providers

1 (very easy)

2

3

4 (very difficult)

☐☐☐☐

34. Simple HTML element directives

1 (very easy)

2

3

4 (very difficult)

☐☐☐☐

35. Transclusion directives

1 (very easy)

2

3

4 (very difficult)

☐☐☐☐

36. Directives with external templates

1 (very easy)

2

3

4 (very difficult)

☐☐☐☐

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AngularJS Development Practices

37. How often do you avoid the use of \$scope in your applications?

1 (never)

☐

2

☐

3

☐

4 (very often)

☐

38. How often do you create your own directives when writing AngularJS applications?

1 (never)

☐

2

☐

3

☐

4 (very often)

☐

39. Which Router do you use in your AngularJS applications?

☐ AngularJS Route Module (angular-route.js)

☐ AngularUI Router

☐ I do not use routing in my applications

☐ Other (please specify)

40. Please mention the main AngularJS plugins that you use to build your applications



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Mastering AngularJS

Please rate how complex is the comprehension and correct usage of the following AngularJS aspects and features.

41. The three different types of scope that can be introduced by a directive

1 (very simple)

2

3

4 (very complex)

☐☐☐☐

42. Scopes using prototypal inheritance

1 (very simple)

2

3

4 (very complex)

☐☐☐☐

43. Defining which entity (provider, service, factory, value or constant) to use when declaring dependencies

1 (very simple)

2

3

4 (very complex)

☐☐☐☐

44. Using the compile, link and controller functions when building directives

1 (very simple)

2

3

4 (very complex)

☐☐☐☐

45. The API provided to build directives using transclusion

1 (very simple)

2

3

4 (very complex)

☐☐☐☐

46. Using correctly `$scope.apply` (including when to use it)

1 (very simple)

2

3

4 (very complex)

☐☐☐☐

47. Integration with external components

1 (very simple)

2

3

4 (very complex)

☐☐☐☐

48. Tackling all the details that may lead to performance degradation

1 (very simple)

2

3

4 (very complex)

☐☐☐☐

49. Using the correct syntax to inject dependencies in order to avoid problems with minification

1 (very simple)

2

3

4 (very complex)

☐☐☐☐

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AngularJS 2.0

50. When developing your current applications, how often do you make design decisions having in mind compatibility with AngularJS 2.0 release?

1 (never)

2

3

4 (very often)

☐☐☐☐

51. Please select the AngularJS 2.0 features that you are most eager to use

- ☐ The new API to define the main UI building blocks (components and directives)
- ☒ Zone.js (no more \$scope.\$apply())
- ☐ Server rendering
- ☐ The new logging service called diary.js (an execution time measurement service)
- ☐ New mobile features (e.g. support for touch event gestures)
- ☐ The new template syntax ([properties] and (events))
- ☐ The new change detection mechanism (immutable/observable)
- ☐ The new API for injecting dependencies
- ☐ Integration with ES6 modules
- ☐ Component Router (which will enable the asynchronous loading of different components)
- ☐ Other (please specify)



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52. Please leave any comment that you consider relevant to our research

Just in case that you want to receive a message with our results

53. Name

54. Email



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Done

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