Performance in AngularJS

This survey is part of a MSc dissertation about the performance of AngularJS applications. It can be answered in less than 10 minutes and its goals are strictly academic.

* Required

1.	How many years of experience do you have in JavaScript? * Mark only one oval.
	Less than 1 year
	1 to 2 years
	2 to 5 years
	More than 5 years
2.	How many years of experience do you have in AngularJS 1.x? * Mark only one oval.
	Less than 1 year
	1 to 2 years
	2 to 3 years
	More than 3 years
3.	What is the size of the largest application you have developed in AngularJS? * Mark only one oval.
	less than 1 KLOC
	1 KLOC to 5 KLOC
	5 KLOC to 10 KLOC
	More than 10 KLOC
4.	What percentage of the development time do you usually spend improving the performance of AngularJS applications? * Mark only one oval.
	O%
	1% - 5%
	5% - 10%
	10% - 20%
	More than 20%

5.	How difficult is applications? Mark only one of	k	reasor	n about	the cau	ises of	performance pro	oblems in Angula	ırJS
		1	2	3	4	5			
	Very easy						Very hard		
6.	. Which Angula Mark only one o		eleases	do you	u think i	nclude	major performa	nce improvemen	ts? *
	Angular	1.1							
	Angular	1.2							
	Angular	1.3							
	Angular	1.4							
	I am not								
7.	Have you ever	•	ected A	angular	JS sou	ce code	e to improve pei	formance? *	
	O Yes								
	○ No								
8.	Have you ever		nged Ar	ngularJ	S sourc	e code	to improve perf	ormance?*	
	O Yes								
	○ No								
9.	. Have you ever AngularJS app			l-party	compo	nent to i	mprove the per	formance of an	
	Mark only one o		1011.						
	Yes								
	No No								
10.	. If yes, which c	ompo	onent?						
11.	Have you ever AngularJS app			ustom (compor	ent to i	mprove the perf	ormance of an	
	Example: a cus Mark only one o		mpleme	ntation	of ngRe	peat			
	Yes								
	No								

12.	If yes, please describe this component.
13.	Have you ever refactored an AngularJS application to improve its performance on mobile devices? *
	Mark only one oval.
	Yes
	O No
14.	Have you ever refactored a AngularJS application by replacing two-way data binding with one-time data binding to improve its performance? *
	(including when you used a plug-in supporting one-time data binding) Mark only one oval.
	Yes
	No
15.	Which tool do you use to reason about the performance of AngularJS applications?* Check all that apply.
	I have never used any tool
	Chrome developer tools
	Batarang
	Other:
	Other.
16.	If you mentioned a tool, which is the main purpose of using it?
17	Based on your experience, what is the maximum number of active bindings an
11.	AngularJS application can handle without presenting performance problems? *
	Mark only one oval.
	1500
	2000
	2500
	3000
	3500
	4000
	() I have no idea

Performance in AngularJS

General causes of performance problems in AngularJS

Please rank how often these items are the main causes of performance problems in AngularJS applications

Λ	Application Mark only or	-	pers lac	k of ex	perienc	e in Jav	aScript *
		1	2	3	4	5	
	very rarely						very often
•	Application <i>Mark only or</i>	-	pers lac	k of ex	perienc	e in Ang	jularJS *
		1	2	3	4	5	
	very rarely						very often
).	Application <i>Mark only or</i>		ng a wr	ong arc	hitectui	re *	
		1	2	3	4	5	
	very rarely						very often
L.	AngularJS i Mark only or		archite	cture *			
		1	2	3	4	5	
	very rarely						very often

Mark only or						
	1	2	3	4	5	
very rarely						very often
\$watching t Mark only or		It of cor	mplex f	unction	s	
	1	2	3	4	5	
very rarely						very often
Use of filter Mark only or	ne oval.	·				Script code
	1	2	3	4	5	
very rarely						very often
Use of even	ne oval.			_		
Use of even		eves suc	ch as no	g-click,	ng-mou 5	
Use of even	ne oval.			_		
Use of even Mark only or	1 ide and	2	3	4	5	seenter, ng
Use of even Mark only or very rarely Use of ng-h	1 ide and	2	3 ow over	4	5	seenter, ng
Use of even Mark only or very rarely Use of ng-h	1 ide and ne oval.	2 ng-sho	3 ow over	4 ng-if or	5 ng-swit	seenter, ng
Use of even Mark only or very rarely Use of ng-h Mark only or	ide and ne oval. 1 te use o	2 ng-sho	3 ow over 3	4 ng-if or	5 ng-swit	very often
Use of even Mark only or very rarely Use of ng-h Mark only or very rarely	ide and ne oval. 1 te use o	2 ng-sho	3 ow over 3 oe.\$app	4 ng-if or	5 ng-swit	very often

	1	2	3	4	5		
ery rarely						very often	
lot cleanin perations) lark only or	after de					nts or cancel asy	ynchronous
	1	2	3	4	5		
ery rarely						very often	
l se of ng-r o lark only or	-	rective	without	using	the TRA	CK BY feature	
	1	2	3	4	5		
ery rarely						very often	
se of direc		uch as r	ng-shov	v inside	of ng-r	epeat directive	
se of direc		uch as r			of ng-re		
lse of direc	ne oval.				_		
Ise of direct Stark only or ery rarely	1 lists wi	2	3	4	5	epeat directive	
Ise of direct Stark only or ery rarely	1 lists wi	2 th the n	3 ng-repea	4	5	epeat directive	
Ise of direction of the	1 lists wine oval.	2 th the n	3 ng-repea	4	5 ive	epeat directive	
Jse of direct Mark only or ery rarely Jse of long Mark only or ery rarely	lists wine oval. 1 lists wine oval. 1 us use output the stirt of the stirt of the stirt oval.	2 th the n	3 ag-repea	4 direct 4 trigger	5	very often	
Jse of direct Mark only or ery rarely Jse of long Mark only or ery rarely Inconscious Examples: \$	lists wine oval. 1 lists wine oval. 1 us use output the stirt of the stirt of the stirt oval.	2 th the n	3 ag-repea 3 es that	4 direct 4 trigger	5	very often	

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