CMPUT 291/Fall 2020 – Project2 Evaluation

Demo Mark:/80, Report Mark: Total Mark:/100. TA:		
Name	CCID	Present
1.		
2.		
3.		
Member CCID whose code is demoed:	On time?	
Late submission Penalty: (10% for o	one day late, 20% for two day late	e, 100% for more)
Edit Penalty: (10% for each 1-10 ch	ars edits, 20% for 11-20 chars; 20	edits is the limit)
Bonus: (self assessment)	<u>~</u>	1.5
Phase 1: Building a	document store 8.5 [10	•
Start the program with Port 27012 (or a port to Votes.json and Tags.json) in the current direct python3".		
mongodport 27012dbpath ~/mongodb	_data_folder &	
Phase 1 must be done under 5min (6min if ter	rms index is created). Otherwise,	the mark is zero.
1.5 [3 points] The program is efficient; 1.5 marks if done under 3 min (4min with terms in		with terms index) and 3 real 4m34.525s
Check using the time function as disc	cussed above.	user 2m21.668s sys 0m10.495s
Start a MongoDB client session at Port 27012	2 and check the followings.	3,5
[1 points] A database named 291db is o	created if it does not exist.	
Check using "show dbs".	·	·
[3 points] Collections Post, tags and vo	otes are created successfully (1 ma	rk for each).
Check using "use 291db" followed b	y "show collections".	
[3 points] The collections contain the c	orrect data.	
Check using "db.Posts.find({Id: "2	0"})".	
For Group of size 3 [-3 points]		
Check the terms field for Post ID 20 using "d	b.Posts.find({Id: "20"}) ". The to	erms array should look lik
this: 'Terms": ["you", "have", "upsta "and", "run", "script", "when", "caught"		utdown", "event",
[-3 point] "terms" is NOT added as a fie	eld to rows in Posts.	

[-1 point] Term	ıs o	f length 1 and 2 a	ıre kept.				
[-1 point] Dupl				re kept.			
[-1 point] The	ern	ns are NOT index	ted.				
		b.Posts.getIndex					
Output: [{ "	v" :	2,"key" : { "_id'	':1},"nam	e" : "_id_	"},		
{"v" : 2, "k	ey"	: { "Terms" : 1},	"name" :	"Terms_1"	"}]		
Phase 2	2: (Operating o	n the d	ocumer	nt store	_ [70 points]
Operations in Phase action that takes mor mark. For example, sec will be considered the same port to check	e th a se d a	nan 1sec will be pearch that takes 3 s fail. While runr	enalized 1 sec will lo ning Phase	mark for se 2 marks 2, open a	each additional ses. A search/action	econd up to 50% that takes more	of the than 10
1. User initial scree	Æ	[6 points]					
[1 point] Progr	am	asks user to prov	ide a user	id.			
a) Input a user id 10,	the	program will pr	int a report	•			
the number of questions owned	sc	e average ore for those lestions	the num		average score for those answers	the number votes regist for the use	stered
1	10)	4		7	0	
2. Post a question 2 a) As User ID "10",	<u>4</u> 1		• `	point for e	each mistake).		
Title		Body		Tags			
Problem with SQLite		How to install	SQLite?	sqlite, in	stall, software		
[1 points] The	posi	t is recorded in th	e database	·.			
Check with	db.]	Posts.find({"Titl	e": "Prob	lem with	SQLite" })		
[2 points] The	prov	vided title and bo	dy are reco	orded. (-1	for each missing/	incorrect field).	
1		are recorded for			_		
[1 points] A un	iqu	e post id is assign	ned.				
[1 points] The	posi	t type id is set to	1 as it is a	question.			
1		t creation date is		_	e.		
_	qua	ntities Score, Vie	wCount, A	AnswerCo	unt, CommentCou	ant, and Favorite	eCount are
[1 points] the c	ont	ent license is set	to "CC BY	-SA 2.5".			
[1 points] The	owi	ner user id should	be set to t	he user po	osting it (10).		

>db.Tags.find({\$or:[{"TagName":"sqlite"},{"TagName":"install"},{"TagName":"software"}]})

____ [1 points] The following tags are updated in Tags collection.(Tags are case-insensitive) Check with db.Tags.find({"TagName": "sqlite" }) for sqlite and similarly other tags.

Tag ID	Tag name	Count
1837	sqlite	61(was 60)
63	install	60(was 59)

[2 points] The following tag does not exist and is inserted.

Tag ID	Tag name	Count
?(unique tag id)	software	1(was 0)

3. Search for questions [13 points]

a) As User ID "10", search with the following keywords: "Pixelbook", "u201cBinary", "zeroshell"

The answer should include the following posts(blue indicate the field is optional):

Post Id	Title	Post type id	CreationDate	Score	Answer Count
419047	Routing from 2 WAN to same LAN	1	2018-01- 23T10:02:15. 587	1	1
146848	How is it possible that dpkg isn't necessary for installing deb packages?	1	2014-07- 24T20:31:33. 460	3	4
473203	Performance of Linux Apps on Chrome OS	1	2018-10- 04T11:06:16. 343	3	1
600493	Self signed SSL in Zeroshell	1	2020-07- 27T05:28:34. 370	0	0
555524	Replace racoon with strongswan	1	2019-12- 04T10:20:29. 623	0	1
499659	LINUX: tar: You may not specify more than one '-Acdtrux', 'delete' or 'test-label' option	1	2019-02- 09T15:54:53. 120	-1	3
525501	Airmon-ng not working on Crostini	1	2019-06- 17T20:02:21. 757	1	0
563311	Bypass X forwarding to sommelier during XRDP session (via xorg) on Crostini	1	2020-01- 22T00:33:37. 700	0	1

6.5[8 points] All rows are correctly returned (-1.5 for each missing/extra row, -1.5 for each missing/wrong value).

b) Select Post Id "499659", Title: "LINUX: tar: You may not specify..."

This result should be shown.

Id	499659
PostTypeId	1
AcceptedAnswerId	499662
CreationDate	2019-02-09T15:54:53.120
Score	-1
ViewCount	(3647 (was 3646)
Body	<code>sudo tar xuzf splunk-7.2.4- 8a94541dcfac-Linux-x86_64.tgz -C /opt</code> \n\nI get the following
OwnerUserId	336042
LastEditorUserId	138261
LastEditDate	2019-02-09T16:14:47.570 1
LastActivityDate	2019-02-09T16:14:47.570
Title	LINUX: tar: You may not specify more than one '-Acdtrux', 'delete' or 'test-label' option
Tags	<chrome-os></chrome-os>
AnswerCount	3
CommentCount	2
ContentLicense	CC BY-SA 4.0

	[1 points] The post can be selected for post actions.
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2 [2 points] All fields are shown(-1 for each missing field).

2 [2 points] After a question is selected, the view count of the question is increased by one. (The new "ViewCount" should be 3647; if the result shows the old viewCount, then use db.Posts.find({"Id":"499659"} to check if the database is updated);

4. Question action-Answer [7] [12 points]

a) As user ID "10", select post ID "499659" from last search and post an answer.

Try to answer the question with the following text.

Text	Check the document on LINUX website.

' }]
1

	[1	points]	The	answer	is	inserted	into	the	database	: .
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1	F1	٠, ٦						1
	L	points]	A	unique	pıa	1S	assigne	a.

[1 points]	The	nost tyne	· ID	is set	to 2
	THE	ροδί τέρς	עני	15 501	₩ 2.

4	[1 points] The post date is set to the current date.
	1 [1 points] The parent id should be set to the id of the question (499659).
	[2 points] Quantities Score and CommentCount are all set to zero. (-1 for each incorrect quantity)
-1	[1 points] the content license is set to "CC BY-SA 2.5".
1	[1 point] the owner user id should be set to the user posting it (10)

5. Question action-List answers 2 [9 points]

a) As user ID "10", search for questions with the keyword "CMPUT291". Select post ID 5, which is the only match.

Post Id	Title	Post type id	CreationDate	Score	Answer Count
5	On Linux, is there an rc.local equivalent for shutdown?	1	2010-08- 10T19:37:25. 837	11	5

Once the question has been selected, list all the answers associated with this question.

Post ID	Post type ID	Body(first 80 characters)	Creation date	score
8*	2	Not really (at least, to my knowledge). \n\nIf you've got SystemV styl	2010-08- 10T19:39:46.827	8
20	2	If you have upstart, you can catch the shutdown event and run a script when i	2010-08- 10T19:44:31.123	1
1688	2	<a href=\"http://wiki.arc hlinux.org/index.php/ Arch_VServer#.2Fetc .2Frc.shutdo</a 	2010-09- 06T21:44:47.807	4
3408	2	In Gen too the \"local\" sc</a 	2010-10- 22T15:18:31.677	1
18703	2	It is generally possible, but depends on the init-scripts system you have. If	2011-08- 14T00:07:17.877	3

5 [5 points] Fields body, creation date and score are shown correctly for all 5 rows. (-1 for each missing/incorrect value)

2 [2 point] Accepted answer is in the first row and is marked (e.g. with a *). (-1 if not the first row, another -1 if not marked)

b) select answer with Post ID 8. This result sl	
	hould display
Id	8
PostTypeId	2
ParentId	5
CreationDate	2010-08-10T19:39:46.827
Score	8
Body	Not really (at least, to my knowledge).\n\nIf you've got SystemV styl
OwnerUserId	22 /
LastEditorUserId	33055
LastEditDate	2013-04-28T19:45:13.400
LastActivityDate	2013-04-28T19:45:13.400
CommentCount	0
ContentLicense	CC BY-SA 3.0
As user ID "10", from the last listing, select a [1 points] The vote is recorded in Votes db.Votes.find({"PostId":"8"}) [1 points] the post id set to the 8.	•
>db.Posts.find({"Id":"8"})	creased to 9.(Originally the score was 8)
[1 points] the creation date set to the cu [1 points] User ID is set to be 10 [1 points] The score field in Posts is inc >db.Posts.find({"Id":"8"}) [1 points] Attempt to vote again; The vote. 7. Anonymous user operations [9 points] Start the program with no user id.	creased to 9.(Originally the score was 8) ote is rejected for the second time.
[1 points] the creation date set to the cu [1 points] User ID is set to be 10 [1 points] The score field in Posts is inc >db.Posts.find({"Id":"8"}) [1 points] Attempt to vote again; The vo [7. Anonymous user operations [9 points] a) Start the program with no user id [1 points] No report is shown. The program	creased to 9.(Originally the score was 8) ote is rejected for the second time.

Text	Check the document on ChromeOS website.					
[1.5 point] The	e answer is recorded.					
>db.Posts.find({"Bo	ody":"Check the document on ChromeOS website."})					
[1.5 point] The	e answer does not have the "OwnerUserId" field.					
c) Try to vote post II	D 499659 without a user id.					
2[2 points] Attempt	to vote this post twice; both votes are successfully recorded in Votes.					
>db.Votes.find({"P	ostId":"499659"})					
1 [1 points] User ID	is not added.					
2 [2 points] The scor	re field in Posts is increased by two (before:-1, after:1).					
>db.Posts.find({"Id	1":"499659"})					
For Group of size 3						
[-2 points] The Check the co	[-2 points] The indexed terms are NOT used when searching for questions using keywords. Check the code for this.					
	Main menu [-6 points]					
[-1 point] Program does not properly guide the users to perform the tasks.						
[-3 points] The system terminates only if the user explicitly chooses to do so (deduct 1 mark for each inappropriate termination with the maximum deduction of 3)						
[-1 point] After each action, the user could not return to the main menu for further operations.						
[-1 point] Ther	re isn't an option to end the program.					
	Donouts [15 points]					
[14 maintal Car	Reports [15 points] neral overview of the system with a small user guide					
	detailed design of the software with a focus on the components required to deliver the					
major functions of th	ne application.					
[3 points] Tes						
[4 points] Sou	arce code quality: easy to read and properly commented code (1 mark)					
	Group Cooperation [5 points]					
[1.5 point] Th	ne project break-down between partners is well-explained.					
[1.5 point] the	e time spent and the progress made for each partner is stated.					
[] point] the p	person responsible for each task is stated.					
[1 point] the r	method of coordination is discussed.					