MongoDB test questions

I. Based on the data we used in Chapter-2:

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| Copy and Run the script in ***CH2\_exercise\_data.js*** to insert the sample data.  // If you have already inserted, ignore this step!!! |

|  |
| --- |
| {  \_id: 1,  title: "Hello Tom",  text: "One day, I meet Kate. We have dinner in KFC.",  author\_id: 15,  author\_name: "Tom",  votes: 120,  gender: "M",  tags: ["food", "Tom", "KFC"]  } |

Please design & create index to improve the query scenario:

// Try to use explain(‘executionStats’) to Analyze the query plan. Compare the performance before & after your Index is created!

(1)User wants to find out the Top votes articles by one specified tag.

Image the flow:

>1. There is a search bar in the UI for searching article tag.

>2. User can freely input and do a search. (e.g. He input ‘food’)

>3. System find out all articles contain ‘food’ tag and display in DESC order, from higher votes to lower votes