

# CS 225, Fall 2022

Posted: September 22, 2022

# Assignment 3

Due: October 18, 2022 at 10:00 PM

## Delivery Instructions:

- Include your full name and student ID.
- Late delivery policies elaborated below.
- Submit your assignment through eLearn.

(1) **Project related work.** Late submission allowed until October 19, 2022 at 10:00 PM

Submit a file that contains: (a) an extensive list of related work to your project topic, and (b) a preliminary taxonomy for the listed work. Each element should follow the below guidelines. Grade will be assigned based on quality of each element.

**List of related work.** Divide your list into (i) academic work, such as published research papers, university reports, MSc theses, etc, and (ii) non-academic work, such as articles, websites, software products, projects, etc. The listed items should be numbered. Make sure to fully cover the related literature.

**Related work taxonomy.** The taxonomy should define *taxonomy factors* that could lie in one or more categories, similar to the provided sample survey papers. Then, each listed item should be categorized based on the different taxonomy factors, preferably in a tabular format. Example: if you classify research papers based on two factors, type of query and type of index, then the taxonomy must indicate the types of query and index for each listed item, as depicted in the table below. You do not have to read the whole paper to determine these two pieces of information. At this point, you should provide only a *preliminary* taxonomy for your related work. The final refined taxonomy should be included in your mid-term status update or final report.

	Query Type	Index Type
Item 1 [4]	Top-k	R-tree
Item 2 [6]	Range	R-tree
Item 3 [3]	Range	QuadTree
Item 4 [1]	Top-k	R-tree
.....	.....	.....
Item n [33]	Range	QuadTree