

CTIS 256

HW #3

Deadline: 26 July, 23:59

Setup

- Import “hw3.sql” into “test” database, there are two tables “projects” and “tags”.
- Check out “app.css” for css rules, you can use them if you need.
- Watch “question.mp4” to figure out what you are supposed to do.
- You can use your own SQL commands if you want.

You will implement a search system for senior projects in terms of predefined tags.

- 1) **(30Pts)** The app lists all the projects as an html table (see **Fig 1**), **SQL** : “select * from projects”
 - a) **(10Pts)** It shows team number, project name, supervisor.
 - b) **(15Pts)** It shows tags of the projects in oval shapes **SQL**: “select * from tags where team = ?”
 - c) **(5Pts)** “Like” column of the table shows if the project is liked or not. “likeit” field indicates its “like” state. If it is 0 (zero), it shows “empty heart” (🤍), otherwise it is “filled heart”, (💙)

Team	Project Name	Supervisor	Tags	Like
1	Pet Care Application	Seyid Amjad Ali	health social web	♡
2	A Platform for Tournament Organization	Serkan Genç	ai broadcast game web	♡
3	IoT Farming	Cüneyt Sevgi	hardware iot mobile	♥
4	Mobile Application based on Reasonable Matchmaking	Burcu Liman	ai mobile social	♡
5	A Storage Rental Solution on P2P Business Model	Neşe Şahin	p2p social web	♡
6	Robot Wars Mobile Game	Murat Yıldırım	ai game multiuser	♡
7	Location-based neighbour interacting platform	Ceren Serim	mobile social	♡
8	On demand location optimized work order distribution	Füsun Yürüten	ai mobile web	♡

Fig1: Project List

- 2) **(40Pts)** Searching Mechanism with Session (**you have to use session to store search tags in a list**)
 - a) **(10Pts)** Search bar at the top is a web form with a textbox. It adds a new tag into a search tag list in the session. It shows the current content of the search tag list in the session below the search textbox. (see **Fig 2**). To submit the form, there is no need to place a submit button. Pressing “enter” works as submit.
 - b) **(10Pts)** Another way to add a new tag into the list is by clicking a tag of a project.
 - c) **(10Pts)** It filters projects based on the search tags. If a project has at least one of the search tag(s) in its tag list. It shows the project in the table. It is like “OR” operator among search tags.
 - d) **(10Pts)** A tag shows “×” symbol (“ ✕ ”) on the right side. It deletes the tag from the search tag list.

web ×

ai ×

Fig 2: Search Tags

- 3) **(15Pts)** Toggle “like” state of a project by clicking on “heart” symbol (see **Fig3**)

SQL: “*update projects set likeit = 1 - likeit where team = ?*”

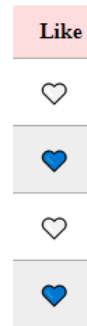


Fig 3: “Like” states of projects

- 4) **(15Pts)** Approximate page design (HTML and CSS), you can use “app.css” or your own css rules.

- Good Luck -