Databases Project 2025
Assignment 9

Peter Baumann, Constructor University

Submission: by team, through git repository

Deadline: 2025-nov-20 23:59

Autocomplete

In this work item you will enhance search experience of your service. For your text input fields provide an autocomplete functionality: while users type they get displayed possible options matching their input so far.

Make use of the jQuery framework, proceeding along these steps:

- Study the guide on https://api.jqueryui.com/autocomplete (based on your self-study the contents will be discussed also in the next lecture unit on Friday – so come prepared!).
- Build an experimental page (like the demo page shown on said site) that performs an auto-complete search using HTML, JavaScript, and jQuery, based on a constant list of hits stored in an array constant of your JavaScript code (this is what the example in the above page teaches).
- Initialize the *tags* variable with server content: Replace the list constant by feeding the variable through a request going to your server; to this end, you must provide the corresponding server-side function (which is a simplified copy of the search function you already have, with no search input = delivering all content).
- Clone the experimental page into all search fields you have in your service.
  Note: you may have to add more sample data to deliver sufficient search results for testing by you and the TAs.
- Bonus of 5%:
  The method above is too static and does not scale. Rather than using the *tags* variable send a request with the current string as typed by the user, after every character typed by the user. Adjust your server-side function to accept the string as search input.

Submission:

- Website, accessible via Web browser in the project's Web directory