

Algorithm Visualizer

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The presented project “Algorithm Visualizer” is a web platform, the purpose of which is to visualize the process of working with algorithms and data structures in real time. The project is created using HTML5 Canvas and JavaScript and provides a step-by-step, visible and interactive representation of algorithms. The system allows the user to observe each step, comparisons and changes of algorithms, which significantly simplifies their understanding and analysis.

The project is built with a modular architecture, which facilitates its extensibility and easy addition of new algorithms. Algorithm Visualizer is intended for students, lecturers and self-taught programmers and aims to increase the efficiency of the algorithm learning process.

References:

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