

The "Data Search Application" is a powerful and user-friendly program developed in the Processing programming language. The primary objective of this application is to enable users to perform data searches based on the provided address, county, or date. The program utilizes a TSV (Tab-Separated Values) file containing various records, and users can enter specific search queries to retrieve matching data entries.

The program is written in Processing, an open-source programming language and development environment specifically designed for creative coding and interactive visual applications. Processing's simplicity and visual capabilities make it an excellent choice for developing data-driven applications.

The key components of the program include:

TSV Data File: The program loads data from the "pricesEx.tsv" file, a TSV-formatted dataset containing valuable information, including addresses, counties, old and new price data, and dates.

Search Interface: The application provides an intuitive search interface where users can input address, county, or date queries. As users type their queries, the program dynamically filters and displays the matching data records.

Data Display: The search results are presented in a tabular format, showing relevant data fields such as Address, County, Old Price, New Price, and Date. The application efficiently handles various search combinations and displays the corresponding records.

Upon launching the application, users are presented with a homepage featuring

an input field and placeholder text for Address, County, and Date searches.

For Address and County searches, users can type their desired query in the respective input fields. The application automatically filters the data and displays the matching records.

For Date searches, users can enter a date in the format DD/MM/YY. As they type, the application immediately filters and shows all records that match the provided date.

To initiate the search, users can either press the ENTER key or click the search button for Address and County searches. For Date searches, the application triggers the search instantly as the user types.

The user can also use the BACKSPACE key to refine their search by deleting characters from the input fields.