

Qt application

Indian Restaurants Aggregator

Author: Kurman Karina
Group Number: 223-2
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Problem Statement

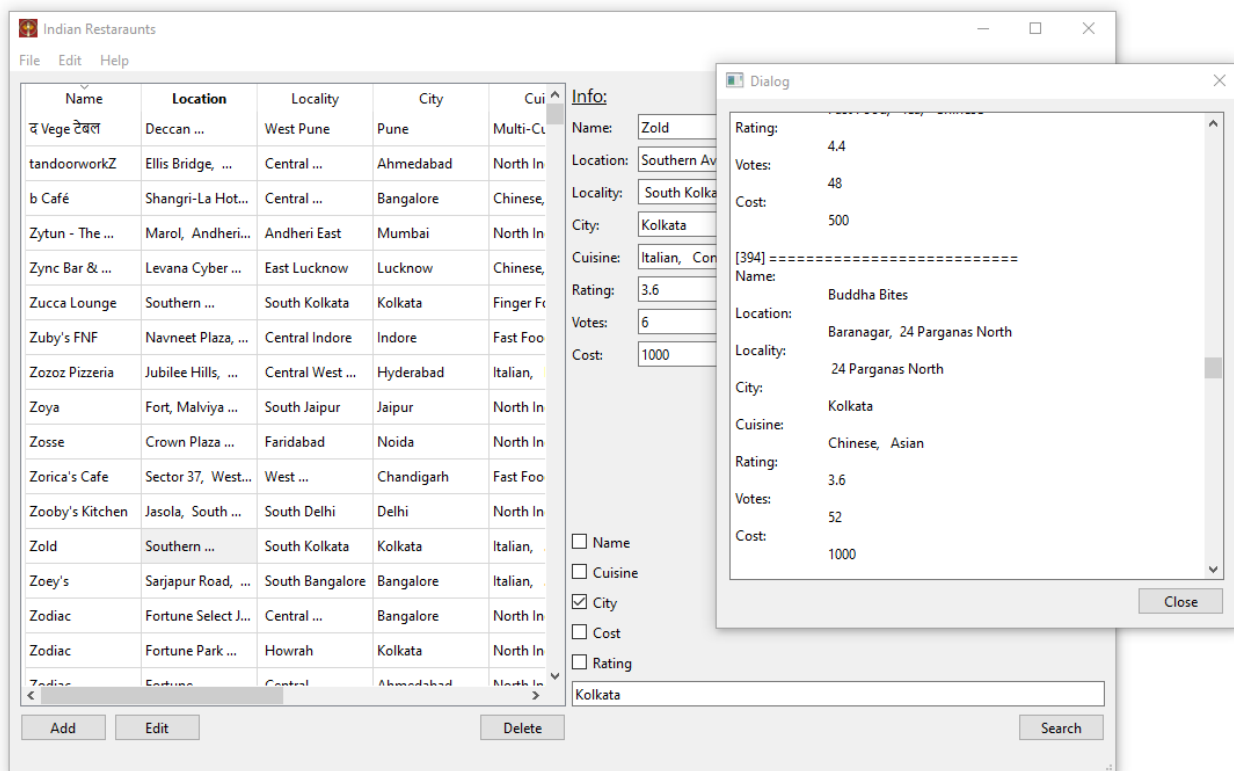
The Indian Restaurants Aggregator application provides a user-friendly graphical interface to help you easily find the right restaurant. This application allows you to search for the desired establishments by rating, average price and cities. For convenience, the ability to save search results to a file is provided.

Implementation Details

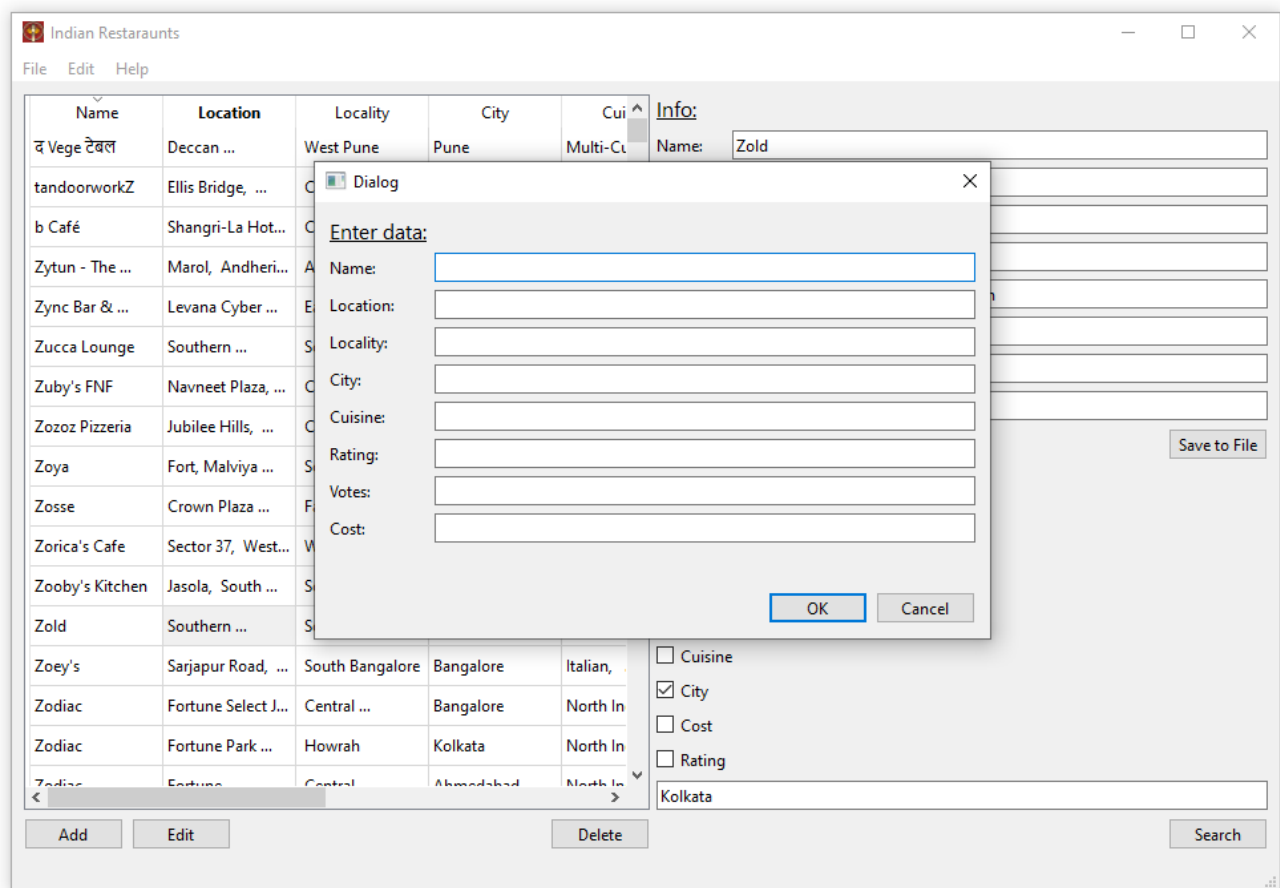
GUI Design

The graphical interface can be visually divided into two parts - work with a table and an interface for searching. Clicking on a table cell on the left displays its data. And the search is set by selecting the desired search parameter and a string for entering the desired value for the search.

GUI interface for searching by specified parameters



GUI interface for adding and editing information about the institution.



GUI interface for adding and editing information about the institution.

The top panel provides a familiar interface for working with files - opening a file in CSV format and saving. "Edit" provides a menu for adding, editing, and deleting a table element.

The source code for the Qt Application Indian Restaurants Aggregator can be accessed on the GitHub repository: <https://github.com/KarinaKurman2003/dsba-itop2023-hw>

Results and Discussion

During the development process, various approaches and features were implemented and evaluated. The application successfully provides a user-friendly interface for managing data about restaurants in India, allowing users to add, delete and edit, as well as search by specified parameters.

During the development of the application, I encountered various problems, which I managed to solve, according to the acquired knowledge, but also remained unresolved. In the future, I would like to add functionality that could be selected from the context menu that pops up by pressing the right mouse button. Additionally, make the visualization of the cells and the graphical interface itself, as well as change the language and choose a theme.

Conclusion

In conclusion, the Qt Application Indian Restaurants Aggregator satisfies the need for an intuitive and efficient tool for managing information about restaurants and cafes in India. The project uses the Qt framework to create a visually appealing and user-friendly interface.