# Qt Moscow Apartment Finder Application

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# **Problem Statement**

The Qt Moscow Apartment Finder Application provides a user-friendly graphical interface that allows you to filter the database and search the database of apartments in Moscow.

# **Implementation Details**

#### **GUI** Design

The graphical interface is an area with a table in which fields with the corresponding data are displayed. The main areas of interaction with data:

- Search by:
  here the user can search by metro station and specific address.
- Filter:
  here you can filter the data by the corresponding parameters

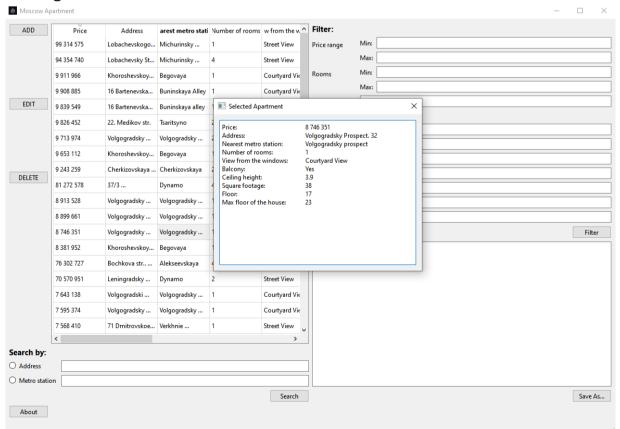


Image 1. Double click on table

Search result: ADD Price Address arest metro stat 70 570 951 Price: 99 314 575 Lobachevskogo... Michurinsky ... Leningradsky prospect. 37/4 Nearest metro station: Dynamo 94 354 740 Lobachevsky St... Michurinsky ... Number of rooms: View from the windows: Street View 9 911 966 Khoroshevskov... Begovaya Balconv: Ves Ceiling height: 9 908 885 16 Bartenevska... Buninskaya Alley Square footage: 79 4 EDIT 16 Bartenevska... Buninskaya alley Max floor of the house: 9 826 452 22. Medikov str. 9 713 974 Volgogradsky ... Volgogradsky ... Address: Leningradsky prospect. 37/7 Nearest metro station: Dynamo 9 653 112 Khoroshevskoy... Begovaya Street View View from the windows: 9 243 259 Cherkizovskaya ... Cherkizovskaya Balcony: DELETE Ceiling height: 81 272 578 37/3 ... Dynamo 94.1 Square footage: 8 913 528 Volgogradsky ... Volgogradsky .. Max floor of the house: 41 8 899 661 Volgogradsky ... Volgogradsky ... Price: 42 827 306 Leningradsky prospect. 37/3 Dynamo 8 746 351 Address: Volgogradsky ... Volgogradsky ... Nearest metro station: 8 381 952 Number of rooms: Khoroshevskoy... Begovaya View from the windows: Courtyard View Balcony: Ceiling height: Square footage: 76 302 727 2.6 70 570 951 Leningradsky ... 7 643 138 Volgogradski ... Volgogradsky .. Max floor of the house: 7 595 374 Volgogradsky ... Volgogradsky ... 56 018 866 Price: Leningradsky Prospect. 37/2 7 568 410 71 Dmitrovskoe... Verkhnie ... Nearest metro station: Dynamo Number of rooms: View from the windows Courtyard View Search by: Balcony: No Address 

Image 2. An example of working with a search for a given metro station

The source code for the Qt Moscow Apartment Finder Application can be accessed on the GitHub repository: https://github.com/daniilpotekhin2004/Movie-Recommender-**System** 

Search

About

### **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 real estate data in Moscow, allowing users to add, delete and edit, as well as search and filter by specified parameters.

In the process of developing the application, I encountered various problems that I managed to solve, according to the knowledge gained, but 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. Make the interface more concise and convenient to use, including on a tablet. Additionally, make a search using maps - such as Yandex Map or Google Map

# **Conclusion**

In conclusion, the Qt Moscow Apartment Finder Application satisfies the need for an intuitive and efficient tool for managing information about restaurants and cafes in India.