

Investor Application User Manual

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1. Introduction

The Investor Application simplifies property investment tasks, such as currency exchange, property summaries, land size calculations, and data visualization. This user manual will guide you through the application's features and functionalities.

2. System Requirements

Before using the application, ensure you have the following:

Python 3.10 or higher installed

Required Python libraries: Numpy, Matplotlib, Pandas

3. Using the Application

To use the Investor Application, follow these steps:

Open your terminal or command prompt.

Navigate to the directory containing the application files.

Run the application by entering the command:

```
python main.py
```

4. Performing Currency Exchange

Choose option 1 to convert property prices to your desired currency. Enter the exchange rate when prompted.

5. Viewing Suburb Property Summaries

Select option 2 to access property summaries for a specific suburb. Enter the suburb's name (e.g., Clayton, Caulfield) or type 'all' for summaries of all suburbs.

6. Calculating Average Land Size

Choose option 3 to determine the average land size within a suburb. Enter the suburb's name or 'all' to compute the overall average land size across all suburbs.

7. Exploring Property Value Distribution

Pick option 4 to visualize the distribution of property values within a suburb. Specify the suburb's name and your local currency when prompted.

8. Analyzing Sales Trends

Opt for option 5 to track property sales over time and gain insights into the historical market performance through interactive line charts.

9. Finding Prices in a Specific Suburb

Select option 6 to identify properties falling within a specific price range in a suburb. Enter the suburb's name and your target price to discover matching properties.

10. Exiting the Application

Use option 7 to exit the application once your tasks are complete.

11. Error Handling

The Investor Application stands out in its handling of exceptions, delivering informative error messages. When an error occurs, the application offers concise and comprehensible explanations for the issue.

12. Conclusion

The Investor Application streamlines the administrative aspects of property investment in Melbourne, making data extraction, currency conversion, property analysis, and data visualization more efficient. Users can benefit from time and effort savings when managing their property investments. Wishing you a successful and effortless investment journey.

13. References

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