Section 8 Housing Investment Analyzer

Develop a Python-based application to help investors identify profitable Section 8 housing opportunities by analyzing property data, gather required info, and visualize the results.

1. Data Collection

Source property listings: Scrape data from real estate websites for properties in areas with high Section 8 demand. Priority will be given to top 5 cities that are profitable for section 8 investment.

Census and HUD data: Web scrape Fair Market Rent (FMR) rates, and voucher data to understand how much government is paying for specific zip codes.

2. Data Preprocessing

Clean and normalize the data (e.g., remove duplicates, handle missing values).

Geocode properties to link them with neighborhood statistics.

3. Exploratory Data Analysis (EDA)

Visualize property trends in terms of price, rent potential.

Identify neighborhoods within those 5 cities with high demand for affordable housing.

4 Investment Analysis

- Build a tool to calculate metrics such as:

Net Operating Income (NOI), cashflow, operating expenses, Cash-on-Cash Return, Return on Investment