1.Scrape the websites https://m.en.aruodas.lt/, https://www.ober-haus.lt/en/, https://www.remax.lt/, https://lt.balticsothebysrealty.com/, https://karinapaulauskaite.lt/, https://asmeninisntbrokeris.lt/, https://vilmaurbute.lt/, https://www.capital.lt/, https://akorus.lt/, and https://www.rebaltic.lt/ for all listings of houses and apartments for sale and rent. Scrape all pages (multi-pages)

2.Filter the listings based on the specified criteria:

* House or apartment
* Yield on cost: 1-5.99%, 6-7.99%, or 8-10%+, manual entry
* Investment portfolio size: € 1-25,000, € 25,001-50,000, € 50,001-100,000, € 100,001-200,000, € 200,001-99999999, or manual entry
* Number of properties to buy: 1-2, 3-5, 6-8, or 9+, manual entry
* Rental Comps: 1, 2-4, 5-7, or 8+
* Median and Mean Rents for comps
* Acquisition cost with or without Capex
* Capex- manual entry
* IRR % and cash on cash returns% (assuming acquisition cost is the investment amount, market rate rent is cash flow monthly)
* Time of investment: 1 year, 2 year, 3 year, 4 year, 5 year
* Current Market Rate rent that can be charged to selected properties based on mean rent of comps plus 5%

For all listings that meet the criteria for purchase, retrieve rental comps based on location, size, rooms and the specified number of comps and show median and mean rental prices.

Plot the location of each property and its rental comps on Google Maps.

Schedule the code to run twice a day at 10:00am and 22:00pm.

Ensure the code has error handling

Implement Data Cleaning into code

Implement parallel processing into code

Create a notification system where users can be alerted when a new listing is available that meets the selected criteria

Use headless browser

Implement data storage

Optimize Code

Use multithreading or multiprocessing to scrape multiple websites simultaneously.

Implement input validation and code organization