Innovative Homes in Dynamic City: Solutions for New York City's Housing Demand

Student's Name : Ayu Putri Vidiantiwi

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Instructor : Gert De Geyter

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Prepared By: Ayu Putri Vidiantiwi

Executive Summary

In New York City, housing affordability has become very difficult to find due to high rent prices and limited availability in popular areas such as Manhattan. This one-pager focuses on proposing initial ideas to tackle the housing crisis and outlines the trend in exploring accommodation. The idea is more for temporary but sustainable solutions using unused spaces or taking advantage of them to make better-informed decisions based on data about the need for housing in the city.

Background & Problem Formulation

New York's housing market is competitive, with the demand is much higher than the supply. Data reveals that only 1.4% of apartment rentals were available in 2023 (*The New York Times*, 2024). This imbalance results in high rent charges and limited options for anyone searching for affordable rents. It eventually impacts both long-term and prospective tenants, like international students and professionals, who are looking for short-term leases and flexible options. Many prospective tenants are financially strained by the high charge in the high-demand areas and are often forced to opt for less desirable accommodation. Thus, employing analytics would allow deeper insights into the problems, examining the demand trends, and emphasizing possibilities for innovative housing types.

Recommended Solutions

To explore ways for this housing crisis, looking into the information about unused space and demographic pattern will be performed. One promising solution is modular pop-up housing, which can be located on rooftops since they are generally unused. This temporary option can help to solve the housing shortage as it is relatively cheap and easy to construct. Another possible alternative is to promote co-living spaces with flexible lease terms. Furthermore, analyzing rental patterns and neighborhood preferences helps to indicate which regions can benefit most from the option to shared living options. Finally, modular floating housing on the river should be considered a good strategy to employ the water channel in the city. Using water areas could address the lack of land while at the same time adding alternatives to the market.

Call to Action

To move forward, more refined data analysis is needed to find the best spots in New York where these alternative housing will have the significant impact. This involves gathering information on unused areas by collecting census data and looking at population patterns to identify growth and migration trends. Additionally, analyzing rental applications, and exploring other alternatives is essential. By focusing on data insights, it will improve decisions and find tailored solutions. Furthermore, support and investment from stakeholders, along with ongoing help from government and city planners are also essential to push these ideas forward.

Reference:
The New York Times. (2024, February 8). *Apartment vacancy rate highlights NYC's housing crisis*. Retrieved from https://www.nytimes.com/2024/02/08/nyregion/apartment-vacancy-rate-housing-crisis.html.