

Creating An Apartment Bidding System Application Using Bubble.io

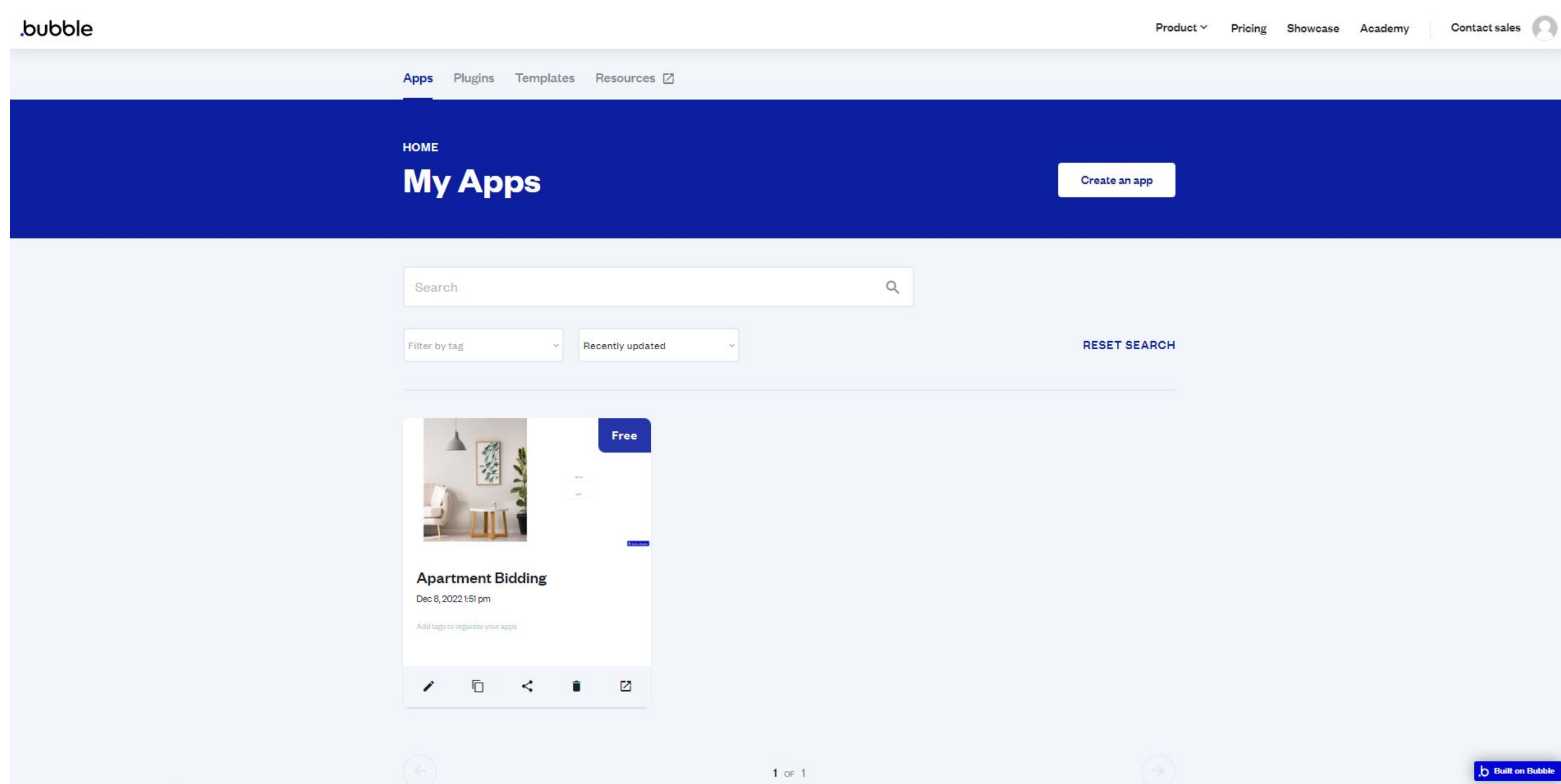
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Introduction

- Rising housing prices, interest rates, and inflation are pricing people out of being able to own a home or take out a mortgage for a home, leading to more people being forced to rent out a place to live.
- Over a third of the U.S. population are renters, and available apartments, especially near major metro areas, are low, not to mention, expensive.
- High cost of living is causing many renters to fall behind on their payments, as well as causing landlords to raise their rent prices.
- This project's goal is to simplify and streamline the rent negotiating process between the landlord and the potential renter by allowing users to bid on apartments that they are interested in renting out.

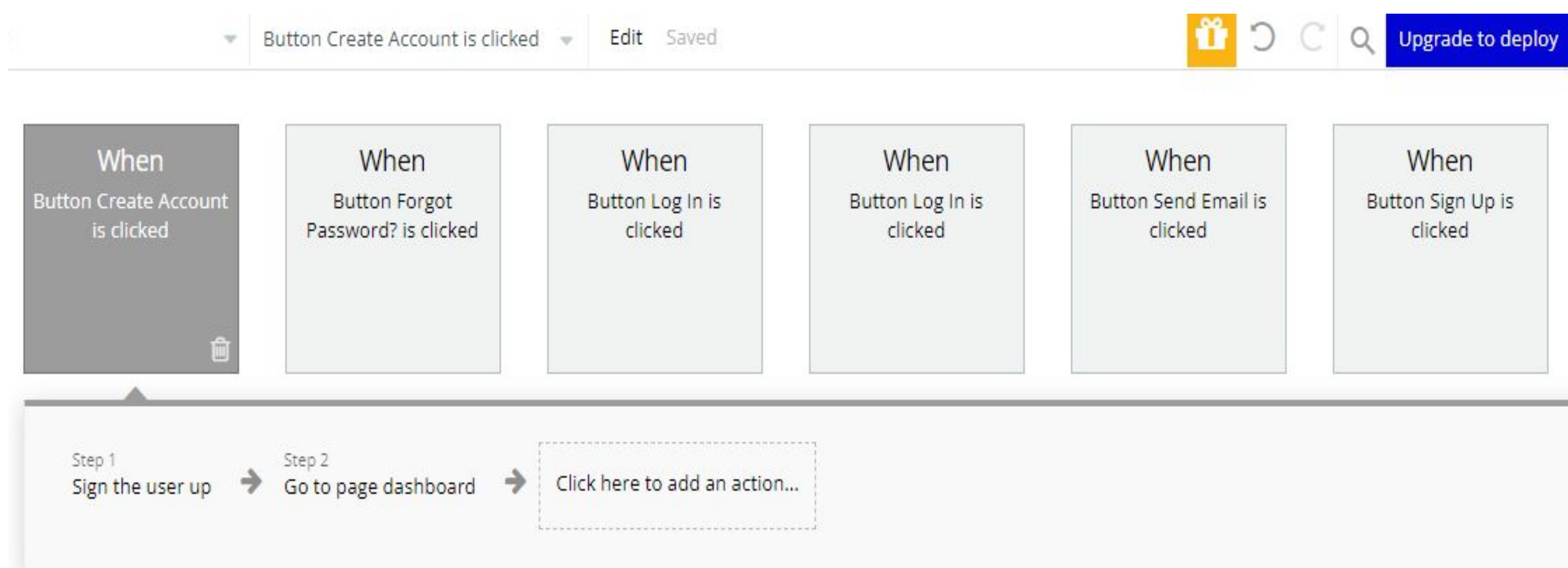
Bubble.io

- Bubble.io is a website based system for creating web applications without the use of major amounts of code.
- Using drag and drop solutions, prebuilt systems, and workflows solutions that would have taken hours can be completed in an afternoon.
- Applications on Bubble.io are free to develop, and can cost from \$25-\$475 per month to deploy based on what is needed by the website, including server capacity and support for more systems.
- Using this application we were able to create a robust bidding application mostly without programming and without paying a monthly fee.



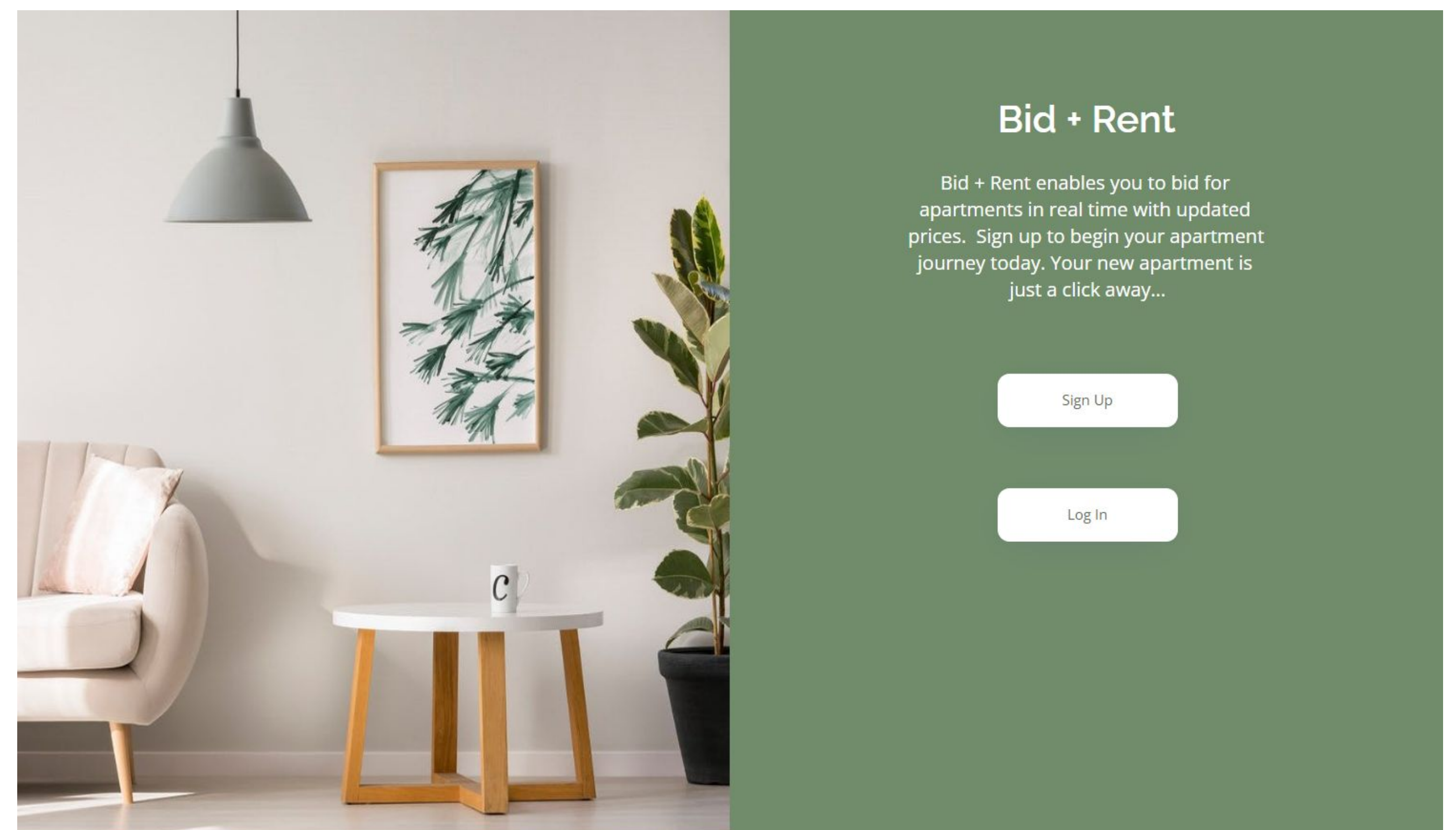
Methods

- Through Bubble.io, workflows are incorporated into the application that allow developers to create functionality for their product
- Workflows trigger a series of events on the application that change user data and manipulate the product
- In the case of the apartment bidding system, workflows were used to create functionality for buttons, text input, pop-ups, and page changes
- For example, the workflow below describes how the create account button is implemented; a user is signed up under an apartment bidding system account and is then brought to their designated dashboard

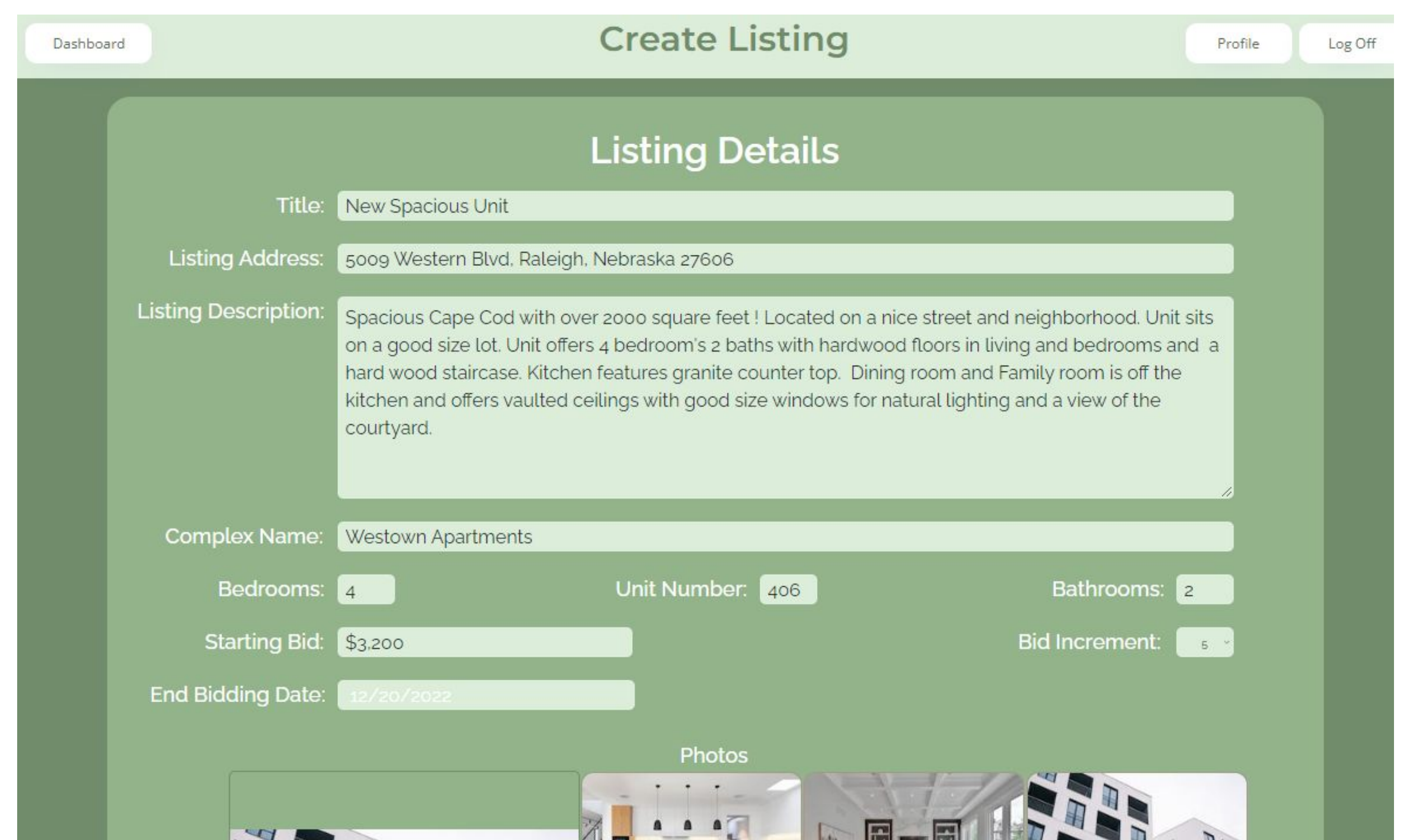


Real World Application

- An online apartment bidding system makes renting out an apartment more accessible and competitive. Potential renters will be able to bid on apartment units from anywhere in the world and aren't restricted to being in one location at a specific time. This increases the turnout of the auction and gives more people a chance to participate.



- An apartment admin will be able to fully detail their available units with photos and there is a large area for listing all of the unit's features and amenities. Admins will also be able to choose the lowest rate that the unit can go for as well as the duration of the auction.



- Before using the application, potential bidders will have already undergone some form of income verification, toured the unit physically or virtually, and have discussed the lease terms and other contracts with the apartment admin. Bidders that have met all of the admin's requirements will be given a private access code from the admin and will then be able to place bids on the unit. Bidders will be able to either bid incrementally by the admin's decided bid rate, or the bidder can instead set a max bid and have the system bid on their behalf until their max bid is reached.

