BreazeHome 4.0: Promoting Properties

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**Current System**
BreazeHome is an academic project originated and lead by Dr. Masoud Sadjadi to help students learn Agile Software Development in a Web-based real-estate application providing property information and services for home buyers, sellers, renters and realtors. BreazeHome is designed to be simple and to have an intuitive user interface in order to provide the best experience for its end users. Breazehome wants to provide the admin the option to display custom, easy to modify lists of properties for the users to see as soon as they enter the page. This will make the page more engaging and help capture the user’s interest.

**Problem**
Users have to navigate to the results page to start browsing for properties. The admin can not display pre-selected properties to promote the use of the website in order to provide a better, more engaging user experience.

**Requirements**
1. The properties displayed in the carousel must be only properties that meet the requirements specified in the tabs
2. The admin can control which is the default tab selected and which options are in the tabs without any programming experience
3. The admin can create a filter and save it, then choose to display it or not by making it active or inactive

**Solution**
created a carousel that displays properties in the landing page. The admin may create custom filters based on price, size and features in the property such as having a pool, allowing pets, or being for sale or rent. This makes the web site more appealing and easier to use for users that are only interested for a particular type of property.

**Implementation and System Design**
- Database: PostgreSQL
- Web API: Django Rest Frameworking python
- Desktop frontend: AngularJS, HTML, Bootstrap, SASS
- OS: Ubuntu linux
- System uses MVC pattern with client-server architecture

**Screenshots**

**Use Case Diagram**

**Summary**
- Admin can create custom filters to use on the carousel and make them active or inactive
- User can select which of the admin created list of properties is displayed by the use of tabs.
- User can quickly and intuitively browse properties from the landing page.

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