Current System

- BreazeHome is an academic project originated and lead by Dr. Masoud Sadjadi to help his students learn Agile Software Development in the context of a Web-based real-estate application that provides 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.

Problem

- As a registered user, I would like to hide properties that are not of my interest, so I will have more organized search results.

Solution

- Add a new hide and unhide icon on the property listing.
- Add an option in the filters dropdown menu for the user to decide if they want to display their hidden properties.
- If the user is logged in they are allowed to use the feature.
- If the user is not logged in, they are prompted to sign in or create an account.

Requirements

- Have a hide and unhide radio button under property filters.
- If clicked, the user’s properties are included among the results but nothing more if clicked on again.
- User can click on the eye-open icon if hidden or eye-closed icon if unhidden.
- As the property is hidden or unhidden, the search results are dependent on the action.
- Only registered users are allowed to use BreazeHome features.

screenshots

Verification and Testing

Selenium Python Scripts

```
import unittest

class TestApplication(unittest.TestCase):
    @classmethod
    def setUpClass(cls):
        pass

    def test_home_page(self):
        pass

    def test_search_results(self):
        pass

    def test_filter_options(self):
        pass

    def test_user_login(self):
        pass

    def test_user_logout(self):
        pass

    def test_hide_and_unhide_properties(self):
        pass

    def test_property_hidden_unhidden(self):
        pass

    def test_popup_message_when_not_logged_in(self):
        pass

if __name__ == '__main__':
    unittest.main()
```

System Design & Implementation

- Front-End: AngularJS, HTML, Bootstrap, SASS
- Back-end: Django, Python
- Operating System: Ubuntu Linux

UML Diagrams

Summary

- Using AngularJS and HTML, the hide and unhide button was implemented for users to toggle their search results.
- Radio buttons are added in the filters dropdown menu for the user to decide if they want to hide or unhide their hidden properties.
- Registered users are able to use feature for organized search results.

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