Peer Evaluation 2 Report

Home Together - Group B

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System Description

HomeTogether is a home sharing website designed to facilitate connections between potential home sharers and give easy access to all available services for a particular home-sharing need.

HomeTogether is a home sharing website designed to facilitate connections between potential home sharers as well as to provide a platform for organizations to share information about their services. In its current iteration it allows users to see information about the site, sign up, and sign in. They can also view and edit their profiles.

Additionally, users can search a database of users by filtering using various criteria collected at signup such as preferred living location, gender, and budget. Finally, users can search for services by category, sub-categories, and add additional filters such as business location and minimum ratings.

Milestone Features

In this project milestone, we expanded and designed the front and back-end for the member user group. This involved updating forms to match all of the client's requirements, expanding the back-end significantly to account for user authentication and complex filtering, and creating several reusable components for our user interface. A large amount of work was done in React with Material UI, and with Nodejs and MySQL on the back-end.

Current features include:
- About and contact information for HomeTogether

- Navigation bar with conditional rendering based on whether the user is signed in
- Signup form with working database connection and authentication
- Login page integrated with Material UI and user account authentication
- Member search page with advanced search options and dynamic filters using AJAX
- Listings search page with advanced search options and dynamic filters using AJAX
- Listing details component with rating system and contact information
- Profile view page for logged-in members
- Edit profile page with data validation for members
- Browser session caching for account state management

Participants

Participant Name	Status	Evaluation Type	Peer Testing Video
Jean-Philippe Abadir	Completed	Remote	https://drive.google.com/file/d/1oThl KH14PQMVnxlWuUhFAxHuwyuBa AKa/view?usp=sharing
Rachelle Gelden	Completed	Remote	https://drive.google.com/file/d/1dm YhOl-Z7UDyoH0CuV_qIdqMbbKy7 UNm/view?usp=sharing
Jehezkiel Eugene	Host Missing	-	-
Evan Godberson	Host Missing	-	-
Ren Lin	Completed	Remote	https://drive.google.com/file/d/1-M_ gJbKEBhUmMnnffSZRXQIO8Z4Hx NMZ/view?usp=sharing
Winter Rotsawatsuk	Completed	Remote	https://drive.google.com/file/d/1cCE g4d1t6vRmrSrGuu8itopwl0KzPSW e/view?usp=sharing
Andrew Dai	Completed	Remote	https://drive.google.com/file/d/1crn Np-11V3Hzbg-PoaffJQem0L1z-uq V/view?usp=sharing
Jing Guan	Completed	Think-aloud	https://drive.google.com/file/d/1mO azEA3_ugJT3CnMC4vUd2dS2QQ JNlo8/view?usp=sharing

Note: *Jared Wright from our team has been absent due to medical issues, and was unable to complete his evaluation sessions.*

Tasks and User Groups

For this milestone, the available features only apply to one user group, which are the members. The following tasks are for members of the site, which would be the general audience looking for others to homeshare with:

1. You're interested in working with HomeTogether and are looking for their contact info to get in touch with them.
2. You are a user who looks for a rental service that has a rating above 4.0.
3. You are a user who looks for the email address of a rental service that has a rating above 4.0.
4. You are a user who wants to sign up and log in to the website.
5. You are a user who wants to edit your profile. You want to change your phone number.
6. You are a user looking for a female user who has a budget above 800 dollars to home-share with you
7. You are a user looking for a single female user who has a budget above 1500 dollars to home-share with you
8. You are a user looking for a user to home-share with you. Your only requirement is pet-friendly.
9. You are a user who looks for a pet service.
10. You are a user who looks for the contact info of the pet service.

Session List

Host Name	Participant Name	Peer Testing Video
Jaden Balogh	Jean-Philippe Abadir	https://drive.google.com/file/d/1oThlKH14PQMVnxIWuUhFAxHuwyuBaAKa/view?usp=sharing
Jaden Balogh	Rachelle Gelden	https://drive.google.com/file/d/1dmYhOl-Z7UDyoH0CuV_qIdqMbbKy7UNm/view?usp=sharing
Jared Wright	Jehezkiel Eugene	-
Jared Wright	Evan Godberson	-
Alvin Krisnanto Putra	Winter Rotsawatsuk	https://drive.google.com/file/d/1cCEg4d1t6vRmrSrGuu8itopwl0KzPSWe/view?usp=sharing
Alvin Krisnanto Putra	Ren Lin	https://drive.google.com/file/d/1-M_gJbKEBhUmMnnffSZRXQIO8Z4HxNMZ/view?usp=sharing
Athena An	Andrew Dai	https://drive.google.com/file/d/1crnNp-11V

		3Hzbg-PoaffJQem0L1z-uqV/view?usp=sharing
Athena An	Jing Guan	https://drive.google.com/file/d/1mOazEA3_ugJT3CnMC4vUd2dS2QQJNlo8/view?usp=sharing

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Issues Discovered

Issue Description	Priority
Pagination should be dynamic to the number of entries	High
Listings clear filter button does not clear fields	High
Subcategories should be more directly shown to the user	High
Signup should automatically login the user	High
Password match check should happen on change instead of on blur	High
Search page should have feedback when no valid results were found	High
Maximum rating field is not useful	Medium
Nav buttons should show hover/active states	Medium
Allow searching for general categories instead of just subcategories	Medium
Locations field should match other select fields visually	Medium
Mailing address should default to home address (optional field)	Medium
Members should not be able to see themselves in the search page	Medium
Member preview in results list should be more descriptive	Medium
"Existing group" option of family status needs more explanation	Medium
Hover tooltips for living capacity and other fields are not noticeable/discoverable enough	Medium
Living capacity field should be renamed to something more user-friendly	Medium

Should have options for "any" for monthly budget fields	Medium
Members filter panel should have a "clear filters" button	Medium
Number fields should not go negative	Low
Minimum monthly budget is confusing to users (what is a minimum budget?)	Low
Location search should allow the user to select multiple options without having to re-open the dropdown	Low
"Elaborate" option always showing for only the religion field seems like a bug to the user	Low
The separation between a member who wants to share a home, and one who wants to find one is confusing	Low
Profile page should only have one edit button	Low
Members tab could use a more descriptive name to indicate searching	Low
Search icon shouldn't flip upside down in the members filter panel	Low
Category field should let you type to filter	Low
Search field for listings should include category name	Low
Locations field should specify its multi-select capabilities	Low
Elaborate text boxes should expand to fit longer text	Low

Heuristic Analysis

Shown below is the graph of the 10 heuristic qualities and the average of the scores given by all eight of the participants, with the score of 5 being very good and 1 being very poor.

Heuristic Quality Scores
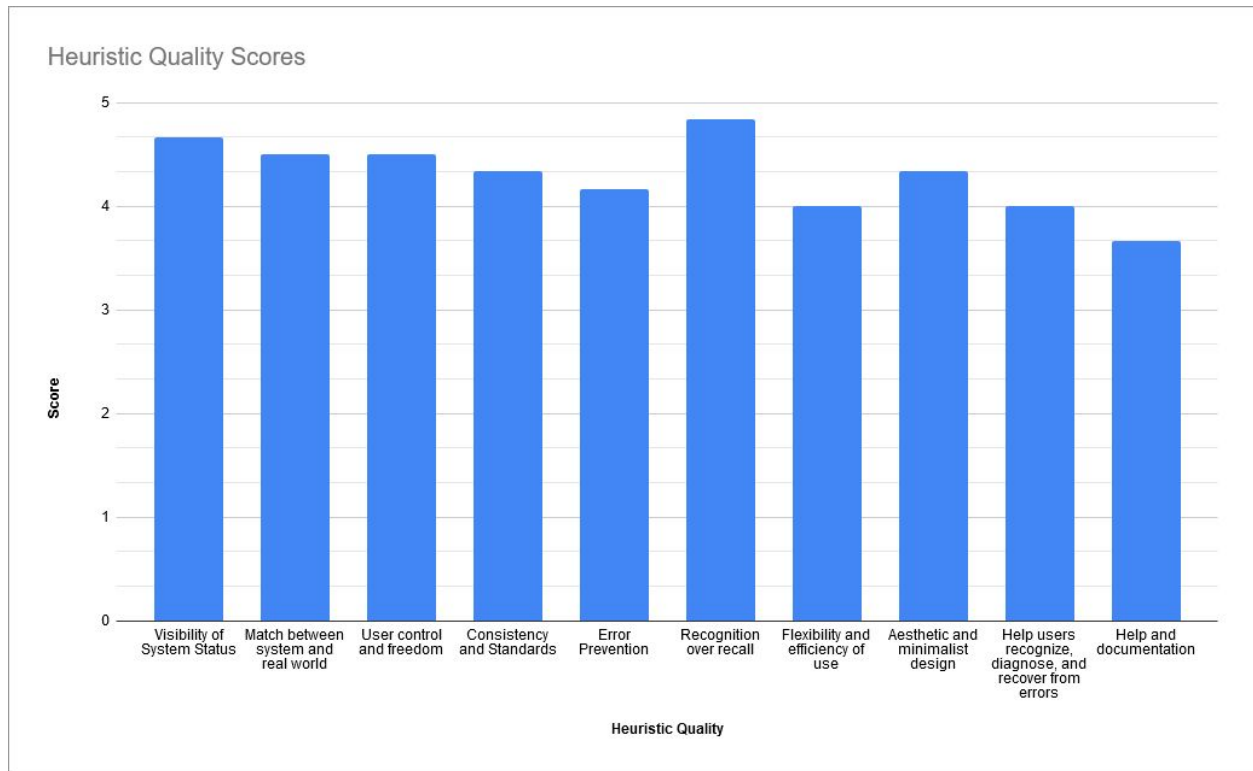
As seen within the graph, the lowest graded quality is help and documentation. This was seen during testing with the hover tooltips being missed, and other confusions occurring without explanations readily available. This is tied in with another quality with a low score, which is with helping users recognize, diagnose, and recover from errors. The second lowest quality was the flexibility and efficiency of use, which is likely due to the issues with certain functions now working, such as clearing filters, and with expected functions such as auto-login after signup.

The highest rated quality is recognition over recall, which is good as our target demographic are older users. Given that one of our main focuses with the Home Together website is simplicity, it makes sense that recognition would be some of our top scores. This was seen during testing as well, with most testers easily navigating the site and understanding what the buttons do.

There were many people who ran into similar issues with the listing search filter, specifically trying to figure out what subcategory something would fit into. This can be seen with the score of efficiency of use being the second lowest.