Project Status Report 4

Team1

CS-673 (Software Engineering)

Fall 2024

By

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Brad Nissenbaum

Shivaang Kumar

Team Meeting Minutes:

<u>Date: 10/29/2024</u>

Attendees:

- Sergio Khalil
- Yuhang Zhang
- Asma Asiri
- Brad Nissenbaum
- Shivaang Kumar

Discussion Points:

1. User Role Navigation and Accessibility: Implementing role-based navigation to ensure users (agents, clients, brokers) are directed to the appropriate dashboard or homepage based on their selected role. This approach can improve usability but may require additional handling to ensure each role-specific page has relevant permissions and tailored views.

2. File Upload Feature for Client Document Management: The upload functionality for tenant documents was integrated into the Client Page, allowing clients to submit required documents. We may need to discuss if further validations or backend integrations are needed for secure storage and access to these documents.

3. Client and Broker Dashboard Design Consistency :Designing consistent, user-friendly dashboards for agents, clients, and brokers has been a priority. Aligning on standardized styles and layouts across pages ensures a seamless experience. Discussion on additional features or further refinement of the dropdowns and responsive styling might be beneficial.

4. Dynamic Data Display and State Management: The Client Home Page and Client Data Context utilize state management to dynamically display information after form submission. This creates a smooth, interactive experience. Further testing or discussion on data persistence across sessions could enhance reliability.

5. Usability Enhancements for Settings and Navigation: The close button in the Settings page and dropdown functionality across pages have enhanced navigation but may need refinement based on user feedback. Evaluating these interactions based on end-user testing could reveal insights for further UX improvements.

Capture Decision:

1. User Role Navigation and Access Control: Over the last three days, we implemented role-based navigation to streamline access control, allowing users to log in as an agent, client, or broker and be redirected to appropriate dashboards. This decision improves user experience by providing tailored views and features according to each user's role.

2. Client and Broker Page Functionalities: We created Client Home and Broker Home pages that include specific features for each role. This includes header greetings, user settings, and document management features, enhancing usability. By standardizing layout and navigation for both pages, users can now easily access their respective functions with a consistent design.

3. Document Upload Functionality: A file upload feature was added to the Client Page to allow clients to submit necessary documents, including IDs and payment confirmations. This decision is integral to client documentation, providing a foundation for enhanced file management functionalities to be implemented in future updates.

4. Client Payment and Information Display: We developed a Client Home Page to display client-specific information, housing details, and payment status. This decision ensures that clients have clear visibility of their information and upcoming payments, which supports transparency and user satisfaction.

Action items:

1. Enhance Document Management Capabilities
    - Implement a backend solution for document storage, allowing clients and agents to view, download, and manage uploaded documents more efficiently.
    - Add validation checks and storage configurations for secure handling of sensitive files.

2. Create Navigation Consistency Across All Roles
    - Refine header and dropdown menus across all pages (Agent, Client, Broker) to maintain a consistent look and feel.
    - Ensure that all role-based pages provide seamless return options and access to settings, improving user experience.

3. Settings Page Functionality

- Enable editable fields in the Settings Page to allow users to update their personal information.
- Implement backend connectivity to persist these updates and display the latest data across all relevant pages.

Team Contribution:

Asma Asiri: I contributed significantly to the development of the Software Design Document (SDD) for the Real Estate Checklist Tracker project, providing both documentation and practical design for key application pages. I developed and implemented detailed layouts for essential pages, such as the **Client Page** and **Client Home Page**, to display tenant information, payment details, and allow clients to upload necessary documents. These pages feature responsive elements, including dropdown menus and conditional components, which dynamically display client-specific details upon submission. Additionally, I extended the application's functionality by integrating the **Broker Home Page** and creating seamless navigation between pages based on user roles. In designing the **Settings** page, I added functionality such as a "Close" button to enable users to return smoothly to their previous page, contributing to an intuitive, user-friendly experience. Throughout the project, I ensured consistent styling and dropdown features across pages, achieving a cohesive and polished user experience in both the documentation and application design.

Yuhang Zhang: This week I worked on the front-end design and development of the page for tenants to search for properties. The goal is to provide tenants with a convenient search function to help them find suitable properties efficiently. The page design includes a filtering area. It includes key information such as the rent, location, room type, and available date of each property, which facilitates tenants to quickly evaluate. The page will also support paging and responsive design to adapt to the access needs of different devices.

Sergio Khalil: This week, I implemented the user **Login** and **Registration** functionality in the **Frontend** for the Real Estate Checklist Tracker project. I added the necessary functions to handle user input and integrated them with the submit action on both the **Login** and **Registration** pages. This enhancement ensures a seamless user experience for authentication and improves overall user management in the application.

Brad Nissenbaum: This week I worked on editing the UML diagram to reflect the functions and models that we still need to implement in the backend. This will help get everyone on the same page about what needs to be done next for backend and frontend functionality.

Additionally, I reviewed where each component is and what is still needed to complete so we have a better understanding of our progress and next steps.

GitHub group project repo:

GitHub repository: https://github.com/sergioBU2024/CS673Team1-Real-Estate-Checklist-Tracker