Project Status Report 2

Team1
CS-673 (Software Engineering)

Fall 2024

By

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Asma Asiri

Brad Nissenbaum

Shivaang Kumar

Team Meeting Minutes:

Date: 10/01/2024

Attendees:

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

Discussion Points:

- Project Status Report 2.
- Dividing up weekly tasks.
- A format of built SRS documents.
- Documents will be organized into shared Google Drive for collaboration.
- Discussion on the scope of the project.
- Discussion of the high-level requirements.
- Multi-device interface.
- Security of our system.
- Discussing to go with JWT token.

Capture Decision:

- Due to time constraints, we decided to opt out of integrating with external calendar services.
- We prioritized real-time notifications over periodic updates to ensure timely communication between agents and clients. Notifications, delivered through email and in-app messaging, alert users of critical events such as task completions, document uploads, and approaching deadlines.
- We decided to go with AES-256 level or higher for app security.
- We integrated the system with third-party services for credit and background checks to streamline the leasing process.
- We built a responsive, multi-device interface to accommodate users accessing the system from desktops, tablets, and mobile phones.
- Due to our critical position, we decided that the system would enforce role-based access, ensuring that each user gets data only for his role to ensure privacy.
- We decided that the Agent should control the process. The Agent should invite the clients to join and upload documents. The Agent should be able to view all uploaded documents

and have a dashboard view of each application's status. Each client should see their own application and apartment status but needs help viewing the documents their roommates uploaded.

Action items:
- Building a draft for SRS
- Writing use cases.
- Writing the overview section with the purpose, benefit, and scope.
- Reviewing the Login in page design and its functionalities
- In searching for the apartment rental process, the system should focus highly on.

Team Contribution:

- Asma Asiri: I contributed to defining critical functional and non-functional requirements, including user authentication, checklist management, and role-based dashboards. I developed use cases and user stories to guide system interactions and designed intuitive, responsive GUIs for clients, agents, and brokers. Additionally, I was heavily involved in drafting and building the Software Requirements Specification, ensuring the system's scope and requirements were documented to align with functional and usability objectives.

-Sergio Khalil: For this week's contribution to the project, I focused on both backend and frontend development related to user authentication:

- Backend: I developed a comprehensive user model and implemented two key functionalities: user registration and login. Additionally, I integrated JWT token-based authentication to enhance security.

- Frontend: I created the login and registration pages, connecting the login page to the backend login API to ensure it is fully functional.

- Brad Nissenbaum: This week I reviewed and compiled the market research to guide which areas of the apartment rental process the app should focus on, and tried to better understand the perceived benefit the app could have to each of the stakeholders. I also researched other ways that these problems have been solved in both the real estate industry and other industries.

- Shivaang Kumar: I focused on enhancing the app's design, specifically working on the landing page and the next steps in the leasing process. I designed a user-friendly, visually appealing progress bar to help applicants track their lease progress more efficiently. I also tackled the challenge of handling lease

applications with multiple applicants, designing the workflow and user interface to ensure a smooth experience in these cases. Additionally, I collaborated with the team to explore and begin integrating APIs, such as DocuSign, to streamline the lease signing process.

- Yuhang Zhang: I focused on learning front-end development concepts to strengthen my understanding of the project, including HTML structure, CSS for setting styles, and JavaScript for adding interactivity to web pages. I also learned the basic development process. Next week, I plan to implement some front-end functions of the software by writing code.

- GitHub group project repo:

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

Name of the App: RealList