Project Proposal Final

Team 1

Real Estate Checklist Tracker

CS-673 (Software Engineering)

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By

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An explanation of the project

Purpose

This project aims to streamline communication between real estate agents and their customers by providing a tool that tracks all the client's missing documents and payments to ensure transparency and organization throughout the leasing process. We will focus on leasing, but there are many similarities shared with buying and selling as well, so this project may eventually help in these areas as well.

Benefits

- Clients can monitor the progress of their rental application
- Agents know the readiness of their applications and leases.
- Reduces miscommunication and delays between the two parties.
- Automates a normally very manual process.
- All documents can be uploaded and managed in one location, eliminating the hassle of tracking paperwork through emails.
- Incorporate orchestration of all requirements in one place: photo ID, pay stubs/proof of income, I-20 forms, signed documents, and payment screenshots.
- Dashboard view of status for each agent's client progress and broker dashboard so the brokers/managers can see the status across agents
- Agents can run credit reports and background checks and upload them. These reports can be run by agents in a separate tool but tracking and managing it in the same place will help to make leasing decisions.

Major Functionality

- **Checklist creation and tracking:** Real estate agents can create custom checklists based on client needs.
- **Real-time updates:** Notifications and updates on completed tasks or upcoming steps.
- **Document Upload:** Real estate agents and clients can upload relevant documents.

Target Users

- **Brokers/Managers:** The owners/managers of the brokerage who manage the agents.
- **Real Estate Agents:** Professionals who manage property rentals.
- **Clients:** Individuals looking to rent real estate properties.

Team Members and their Roles

- **Sergio Khalil:** Backend Developer, Scrum Master
- **Yuhang Zhang:** QA Engineer, Front End Developer
- **Asma Asiri:** Design by using Figma, Front End Developer
- **Brad Nissenbaum:** Project manager, Backend Developer
- **Shivaang Kumar:** Front-end Developer, QA Engineer

Technologies Intended for Use

- **Frontend:** HTML, CSS, Javascript, React Framework
- **Backend:** MongoDB with Node.js
- **Real-time updates:** Socket.io
- **Design:** Figma

Timeline