COMP3900/9900

2022 Term 2

Project 6

Rental Inspection System

This project aims to implement a Web-based system that will automate rental inspections using integrated **geodata**. The system should automatically create a customised inspection **itinerary** for property managers, complete with distances and drive times between properties.

The developed system is meant to be **integrated** with a broader **Property Management System** that includes other services such property lease, rent payment, and rental arrears management.

The developed system should do the following:

1. **Schedule inspections via a map view**

   - Enter the **inspection date**

   - Select the **properties** you want to inspect (together with **date, start time, and end time**) on the map and click start planning to generate your customised itinerary

   - Screen should also capture the **agreed date and time** between **tenants** and **property managers**.

2. **Drag and drop inspections to reorder your itinerary**

   - Simply **drag** and **drop** inspections to **reorder** your itinerary

3. **Set desired start location and duration**

   - Developed system should automatically create a **customised** inspection itinerary for the assigned property managers

- Developed system should process inspections with given distances and drive times between properties

- Developed system should have a button to **schedule** or **reset**

4. **Send automated notices to tenants**

- Once your itinerary is **confirmed**, **automated notices** are sent to **tenants**

You need to come up with, at least, eight (8) functionalities including, at least, two novel functionalities with respect to existing related rental inspection systems.

Useful Links

1. https://www.propertyme.com.au/
2. https://www.inspectionmanager.com/
3. https://www.re-leased.com/en-au/property-managers