Project Overview

The following quotation covers the development work required to address critical issues and features for the **User Portal** and **Agent Portal** (both Web & PWA versions), including infrastructure setup, database configuration, and end-to-end testing. The project also includes preparations for the live launch on Web, Android (AOS), and iOS platforms, along with post-launch support.

Scope of Work

User Portal (Web & PWA)

1. **Fix iOS Bottom Navigation**

   - Issue: Bottom navigation not sticking to the viewport on iOS devices.

   - Solution: Apply CSS safe-area support and viewport meta fixes.

   - **Estimated Hours:** 6 hours

2. **Splash Screen Gating**

   - Issue: Splash screen appearing on non-PWA routes.

   - Solution: Ensure the splash screen only appears on the PWA route, not on the regular website.

   - **Estimated Hours:** 4 hours

3. **PWA Installation & Offline Support**

   - Issue: Service worker, manifest scope, install prompts, and offline caching strategy need stabilization.

   - Solution: Stabilize the PWA service worker and caching strategy.

   - **Estimated Hours:** 12 hours

4. **Property Search Validation**

   ○ Issue: Property search filters not working correctly (buy/rent toggles, sorting, proximity search).

   ○ Solution: Test filters against live data and add URL query params for shareable links.

   ○ **Estimated Hours:** 8 hours

5. **Redirect to WhatsApp through Listing Cards**

   ○ Issue: Users cannot directly contact agents via WhatsApp.

   ○ Solution: Implement direct WhatsApp redirection from listing cards.

   ○ **Estimated Hours:** 4 hours

6. **Navigation Works for Every Button**

   ○ Issue: Navigation not working correctly for all pages on the user portal.

   ○ Solution: Ensure that all navigation buttons lead to their correct destinations.

   ○ **Estimated Hours:** 6 hours

Agent Portal (Web & PWA)

7. **Remove UAT Mode & Implement Real Authentication**

   ○ Issue: Development bypass (UAT mode) still active, not using real authentication.

   ○ Solution: Remove development mode, implement proper Replit/Passport authentication, and protect all endpoints.

   ○ **Estimated Hours:** 10 hours

8. **Property CRUD Regression Testing**

   ○ Issue: Recent schema fixes may have broken property create/update/delete operations.

   ○ Solution: Thoroughly test all property CRUD (create, read, update, delete) operations.

   ○ **Estimated Hours:** 8 hours

9. **Null Value Handling in Forms**

   ○ Issue: Null values not properly handled in agent forms (e.g., propertyCondition, furnishedCondition).

   ○ Solution: Add defensive handling for null values across all agent forms.

   ○ **Estimated Hours:** 6 hours

10. **Analytics Dashboard Accuracy**

   ○ Issue: Metrics may be calculated incorrectly, and charts may not handle missing data gracefully.

   ○ Solution: Ensure analytics calculations are accurate and charts handle missing data properly.

   ○ **Estimated Hours:** 8 hours

11. **Navigation Works for Every Button**

   ○ Issue: Navigation not working correctly for all pages on the agent portal.

   ○ Solution: Ensure all navigation buttons lead to the correct destinations.

   ○ **Estimated Hours:** 6 hours

Infrastructure

12. **Production Database Setup**

    ○ Issue: Database setup for production not provisioned.

    ○ Solution: Provision a Neon PostgreSQL production instance with a migration plan.

    ○ **Estimated Hours:** 8 hours

13. **Environment & Secrets Management**

    ○ Issue: API keys (Google Maps, OpenAI, OpenRouteService) and environment variables are not configured for production.

    ○ Solution: Configure production .env files for all necessary API keys.

    ○ **Estimated Hours:** 4 hours

14. **End-to-End Testing**

    ○ Issue: Complete user flows not fully tested.

    ○ Solution: Test complete user flows (search → details → contact, agent listing lifecycle, PWA install, authentication).

    ○ **Estimated Hours:** 12 hours

Go Live Preparation

15. **Code Reviewing & Bug Fixing**

    ○ Issue: Code review process and fixing critical bugs.

    ○ Solution: Perform code review and identify/fix any issues or bugs that may impact performance, security, or functionality.

    ○ **Estimated Hours:** 8 hours

16. **Post-Launch Support (6 Months)**

    ○ Issue: Ongoing support required after launch.

    ○ Solution: Provide technical support for bug fixes, minor enhancements, and performance optimizations for 6 months after go-live.

Code Handover Sessions

17. **Online Code Handover Sessions (2 Sessions)**

    1. **Description:** Two online sessions will be scheduled for a detailed walkthrough of the codebase. This will include an explanation of the structure, key components, and the deployment process.

    2. **Purpose:** To ensure that the client's technical team is familiar with the code and can manage the project effectively post-launch.

    3. **Estimated Hours:** 2 sessions x 3 hours per session (Total 6 hours)

18. **Offline Code Handover Session (1 Session)**

    1. **Description:** One offline session (in-person or via a pre-recorded video, depending on the client's preference) for final code handover. This session will cover the deployment steps, configuration management, and troubleshooting process for a seamless transition.

    2. **Purpose:** To provide the client with all necessary information for ongoing maintenance and updates.

    3. **Estimated Hours:** 1 session x 4 hours (Total 4 hours)

Estimated Total Hours:

85 hours (Priority Issue) 115-130 hours (with code review)

85 hours * RM 150 (hourly rate) = RM 12,750

Partnership Proposal

Plan 1: Business Deal

- **Payment Terms:**

    - **50% deposit upon project confirmation.**

    - **50% balance payment after project launch (go-live).**

- **Scope:**

    - **Standard business arrangement — you own your app fully upon completion.**

    - **I will handle the technical development and deployment as per agreed scope.**

Plan 2: Corporate Collaboration

- **Payment Terms:**

    - **50% deposit upon project confirmation.**

    - **If we proceed with corporate collaboration after the priority tasks are completed and the app goes live, the remaining 50% will be waived.**

- **Collaboration Scope:**

    - **I will continue to provide technical support for your app.**

    - **We will integrate and align your app with my upcoming Lead Automation Platform to create synergy between both systems.**

- This collaboration aims for long-term scalability, shared growth, and potential cross-platform integration.