Project Name: Enhancing and Implementing Image Recognition AI Solution for Gluu.Repair

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Objective:
Expand the current Image Recognition AI system by connecting identified defects and product issues with local craftspeople while integrating and enriching the existing database infrastructure.

Project Tasks:

1. **Connect Identified Defects to Local Craftspeople**
    - Leverage the existing defect identification capabilities to recommend suitable local craftspeople based on skillsets, tools, and proximity.
    - Develop an automated matching algorithm utilizing location data and craftsperson profiles.
    - Provide clients with a streamlined recommendation system for selecting craftspeople, removing the need for direct real-time communication.
2. **Implement AI into Client Workflow**
    - Ensure smooth integration of AI recommendations into the existing application workflow.
    - Present actionable repair insights and connect users to craftspeople through a seamless interface.
    - Simplify user navigation to repair solutions while maintaining a consistent application experience.
3. **Optimize and Enrich the Database**
    - Use existing Bubble.io, Supabase, and GitHub repositories to streamline data flows and centralize AI functionality.
    - Enable photo and document uploads from clients for continuous AI model improvement and enriched database quality.
    - Build efficient APIs for seamless communication between the AI, database, and user-facing application.

Expectations & Requirements:

For the Team:

- **Technical Skills:**
    - Proficiency in Python and experience with Bubble.io, Supabase, and GitHub-based workflows.

    - Knowledge of database management and API integration for AI and user applications.
- **Collaboration Skills:**
    - Ability to align technical solutions with Gluu.Repair's vision for sustainability and craftsmanship.
    - Strong problem-solving skills to create a scalable matching algorithm for craftspeople.

Resources Required:

- Access to the existing defect identification model and its outputs.
- Development access to Bubble.io, Supabase, and GitHub repositories.
- Collaboration with local craftsperson networks for profile data.

Deliverables:

1. **Craftsperson Matching System**
    - Algorithm capable of matching identified defects with appropriate local craftspeople.
    - Integration of craftsperson profiles into the user workflow, allowing seamless recommendations.
2. **Integrated Workflow**
    - AI-powered recommendations seamlessly embedded into the app, guiding users to craftspeople without requiring real-time communication.
    - Real-time defect identification tied to actionable next steps within the app.
3. **Enriched Database and Documentation**
    - Updated Bubble.io and Supabase database with enriched craftsperson data and client-uploaded repair cases.
    - Documentation of matching logic, workflows, and integration pathways for future scalability.