## Minimum Viable Product (MVP) Document: Legitify App

## **1. Introduction**

The Legitify App is designed to help homeowners and renters find AI-generated DIY solutions for home/auto repairs and maintenance while also providing a comparison of service provider quotes. The MVP will focus on the core functionality necessary to validate market demand and ensure a seamless user experience.

## **2. Objectives**

* Provide AI-driven DIY solutions based on user queries.
* Allow users to upload and compare home service quotes.
* List professional service providers for users who prefer hiring experts.
* Gather user feedback for future improvements.

## **3. Core Features**

### **3.1 User Onboarding & Authentication**

* User registration (email, Google, or social login) - every user must login and need to follow regulatory controls (cookies, consent, …)
* Profile creation (optional)

**Clarification(20250327): We will create registration and login pages. After registration is confirmed, the user will log in and after login, the user will be able to use the features of the website like the DIY solution generator, etc.**

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### **3.2 DIY Solution Generator**

* Users enter a problem description (e.g., "Leaky faucet").
* AI provides step-by-step DIY repair guides.
* Video and image support for instructions.

**Clarification(20250327): We will create a separate section named DIY solution generator, where an input box will take text and file upload as input, and against that, it will provide text-based solutions and video recommendations from YouTube. We will use OpenAI Vision API or TensorFlow Model (Pre-Trained) to detect repair issues.**

### **3.3 Quote Upload & Comparison**

* Users upload service provider quotes (PDF, image, or text).
* AI extracts details using OCR and NLP.
* Comparison tool highlights differences in pricing, materials, and services.
* AI suggests alternative DIY solutions where applicable.

**Clarification(20250327): We will process the quote upload and comparison as mentioned below:**

**The user uploads a PDF or image** **of a service quote**.

**OCR** **extracts text** (Tesseract.js or Google Vision API).

**AI processes the extracted text** (using spaCy/TensorFlow NLP).

**Compare quotes by highlighting price & service differences.**

**Display a comparison UI for easy decision-making**.

### **3.4 Service Provider Listings**

* List of verified service providers categorized by trade (plumbing, electrical, etc.).
* User reviews and ratings for providers.
* Contact and booking options.

**Clarification(20250327): We will develop a search page with search & filter functionality. Users will be allowed to search for the service provider and to see their contact details, they have to log into the website. They can compare the service providers in this section.**

**Note: We will just show the list of the service providers and some details, and there will be a filter section on the page, where the user can filter or search the service providers based on keyword, category, or location. We will not take any questionnaires before making any search results.**

### **3.5 User Dashboard**

* View past DIY queries and solutions.
* Track uploaded quotes and comparisons
* Save preferred service providers.

**Clarification(20250327): In the user account section, after they log in, we will redirect them to their dashboard, where they can see their past DIY queries and solutions, track their past uploaded quotes and comparisons, and save their preferred service providers.**

## **4. Technology Stack**

* **Frontend:** React Native (for mobile), React.js (for web)
* **Backend:** Node.js with Express
* **Database:** PostgreSQL or Firebase
* **AI & NLP:** OpenAI API, TensorFlow, or spaCy
* **OCR for Quote Extraction:** Tesseract, Google Vision API
* **Cloud Storage:** AWS S3 or Firebase Storage

## **5. Success Metrics**

* Number of uploaded quotes and comparisons made
* User engagement with AI-generated DIY solutions
* Service provider inquiries and bookings
* Feedback and reviews from early adopters

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## **6. Roadmap & Next Steps**

**Phase 1: Core MVP Development (3 months)**

* Build user onboarding, DIY generator, and quote upload system.
* Develop a basic comparison engine.
* Implement service provider listing.

**Phase 2: Beta Testing & Feedback (1-2 months)**

* Release to a small user group for friendly user testing and ensure operation support
* Collect feedback and iterate on features.

**Phase 3: Expansion & Enhancements**

* Improve AI accuracy in DIY solutions.
* Enhance provider comparison with pricing trends.
* Add chatbot support for DIY troubleshooting.

**Operation: Ongoing Going Support (OGS)**

* Legitify must maintain an OGS team for any backend bugs and support.
* Ensure monitoring is in place and available for Legitify owners/board
  + Need to define monitoring requirements - metrics to monitor, stats, etc…
* Error reporting and handling

## **7. Conclusion**

The MVP version of Legitify App will focus on essential features to validate the idea and attract early adopters. By leveraging AI to provide DIY guidance and smart quote comparison, the app aims to bridge the gap between consumers and service providers while enabling cost-saving solutions.

| **Total time required to develop the project: 2 months** |
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**Important notes:**

1. **It would be better if you could provide us with the wireframes of the entire application so that it could bring a clear picture of the entire website. This will also help us to maintain an understanding of the relationship between pages which will be beneficial for the future.**
2. **You have not mentioned anything about the Admin side of the website from where the total website can be controlled. As an admin, you will be able to see and control the following on the website:**

* **the analytics of how many users registered themselves on the platform**
* **the details of the users in the user management section**
* **the DIY solution prompt used by the user on the platform**
* **Service providers management, where the service providers can be added, updated, and deleted.**
* **The quote management.**

**Requirements:**

**Since the development of the project requires some third-party integration on the website, so we have some requirements for it.**

* **Open AI API key**
* **Google Vision API keys**

**If we find any other requirements while developing the project, we will communicate it to you.**

**Questions:**

1. **How will the service providers be added to the platforms? We have assumed that they can be added from the admin side. If you have any other third-party source for getting the data of service providers or any other process please let us know.**
2. **You have mentioned that the user will upload the quotes and the system will compare the quote with other quotes and provide the cost-effective quote to the user. How can the user have a quote before contacting any service provider? Also, from which quotes will the system compare the quote uploaded by the user? Please make us clear on the sourcing of the quotes.**