Scope of Work (SOW)

Project Name: Tenant Screening Application
Project Manager: S. Dinesh Kumar
Date: July 29, 2024

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1. Introduction:

This Scope of Work (SOW) outlines the tasks, deliverables, and responsibilities for the development of a Tenant Screening Application. The purpose of this document is to define the work required to complete the project and ensure all have a clear understanding of the project's scope.

Brief Overview of the Project:

The Tenant Screening Application aims to provide landowners and property managers with a comprehensive tool to screen potential tenants effectively. This application will automate the collection and verification of tenant information, including personal details, employment history, income verification, rental history, and background checks. By leveraging machine learning algorithms and a secure, user-friendly interface, the application will streamline the tenant screening process, reduce the risk of rent delinquency, and ensure safer rental decisions.

Purpose of the SOW:

The purpose of this SOW is to provide a detailed roadmap for the development and implementation of the Tenant Screening Application. It outlines the specific tasks, deliverables, timelines, and responsibilities associated with the project. This document serves as a guide to ensure that the project is completed on time and meets the quality standards as expected.

Background Information about the Project:

In the competitive rental market, landlords face numerous challenges in selecting reliable tenants. Traditional tenant screening methods are often time-consuming. The Tenant Screening Application addresses these challenges by offering an automated solution that integrates multiple data sources to provide a thorough assessment of potential tenants. The application will include features such as:

- **Data Collection:** Automated forms to gather tenant information.

- **Verification:** Integration with third-party services for employment, income, and background verification.

- **Machine Learning Model:** These models is used to predict tenant reliability.

- **Reporting:** Comprehensive reports summarizing tenant screening results.

The development of this application will involve designing a robust system by developing a secure backend using Flask, integrating machine learning models, creating a frontend interface, and ensuring the application meets high standards of data security and user privacy.By providing landlords with accurate and reliable tenant information, this application aims to reduce the risks associated with renting properties, enhance decision-making, also safer and more efficient property management.

2. Objectives:

The primary objectives of the Tenant Screening Application project are to:

- Automate the process of tenant screening.
- Collect and verify tenant information, including personal, employment, income, and rental history.
- Conduct background checks, including credit and criminal records.
- Provide landlords with comprehensive tenant reports to make informed decisions using the Machine Learning Model.

3. Scope of Work:

The scope of work for the Tenant Screening Application project includes the following tasks.

- **Task 1:** Project Planning and Requirement Gathering
- **Task 2:** Designing
- **Task 3:** Development
- **Task 4:** Testing
- **Task 5:** CICD
- **Task 6:** Deployment

4. Deliverables:

The following deliverables will be produced as part of the Tenant Screening Application project:

- **Deliverable 1:** Project Planning and Requirements Analysis
  - **Due Date:** August 1, 2024
- **Deliverable 2:** Data Collection and Preparation
  - **Due Date:** August 3, 2024
- **Deliverable 3:** Model Training and Validation
  - **Due Date:** August 5, 2024
- **Deliverable 4:** Application Design
  - **Due Date:** August 6, 2024
- **Deliverable 5:** Developed Backend and Frontend
  - **Due Date:** August 8, 2024
- **Deliverable 6:** Testing and Quality Assurance Report
  - **Due Date:** August 11, 2024
- **Deliverable 7:** Deployed Application
  - **Due Date:** August 12, 2024

5. Schedule:

The project schedule is as follows:

- **Project Start Date:** July 29, 2024

- **Project End Date:** August 13, 2024

- **Milestone 1:** Initiation completed by July 30, 2024

- **Milestone 2:** Planning completed by July 31, 2024

- **Milestone 3:** Data Collection (Partially done) by August 1, 2024

- **Milestone 4:** Data Preparation (Pending) August 3, 2024

- **Milestone 5:** Model Training (Pending) by August 4, 2024

- **Milestone 6:** Model Validation (Pending) by August 5, 2024

- **Milestone 7:** Designing Application (Pending) by August 6, 2024

- **Milestone 8:** Coding (Pending) by August 8, 2024

- **Milestone 9:** Creating Documentation (Pending) by August 10, 2024

- **Milestone 10:** Testing Final Version (Pending) by August 11, 2024

- **Milestone 11:** CICD (Pending) by August 12, 2024

- **Milestone 12:** Deployment (Pending) by August 13, 2024

6. Project Management:

The project team roles and responsibilities are as follows:

- **Project Manager:** S. Dinesh Kumar - Responsible for overall project management and reporting.

- **Designer:** S. Dinesh Kumar - Responsible for system design.

- **Developer:** S. Dinesh Kumar- Responsible for backend and frontend development.

- **Tester:** S. Dinesh Kumar - Responsible for testing and quality assurance.

7. Resources:

The resources required for the Tenant Screening Application project include:

- **Personnel:** Project Manager, Designer, Developer, Tester (S. Dinesh Kumar)

- **Software:** Flask, Python, HTML5, CSS, JavaScript

- **Cloud:** AWS

8. Constraints:(Pending)

9. Risk Management (Pending):

10. Quality Assurance (Pending):

11. Acceptance Criteria (Pending):

12. Payment Terms (Pending):

13. Terms and Conditions (Pending):

Signatures:

Disclosing Party:

[Name]
[Title]

Receiving Party:

[Name]
[Title]