Feasibility Study for AgroRent Hub

Overview

AgroRent Hub is an online platform designed to facilitate the rental of agricultural products, equipment, workers, and services. It supports multiple user roles including Farmers (Customers), Suppliers, Delivery Boys, and an Admin. The platform aims to streamline the rental process, improve inventory management, and ensure efficient service delivery.

Types of Feasibility

1. Technical Feasibility

- Current Resources: The platform uses Django as the backend framework, HTML/CSS/JavaScript for frontend development, and SQLite for database management. These technologies are well-established and widely supported, ensuring stability and scalability.
- Technology Stability: Django and associated technologies are stable and widely adopted, ensuring a large community for support and continuous improvement.
- This software is going to run in windows 7 Operating System,which can be easily installed.

2. Operational Feasibility

- User Adaptation: Farmers, Suppliers, and Delivery Boys are the primary users. The platform should be intuitive and user-friendly to ensure quick adoption and effective use.
- Business Problem Solving: The platform addresses common challenges in agricultural rentals such as inventory management, payment processing, and service delivery logistics.
- Solution Acceptance: Stakeholders, including users and management, must find the proposed solution acceptable and beneficial to their operations.

3. Economic Feasibility

- Cost-Benefit Analysis: The cost of development, including software, hardware, and personnel, must be justified by the expected benefits such as increased operational efficiency, reduced administrative overhead, and enhanced customer satisfaction.
- Return on Investment: The platform should generate financial gains through improved transaction volume, reduced downtime, and better resource utilization.
- Long-term Viability: Consideration of ongoing maintenance costs, upgrades, and potential revenue streams (e.g., service fees, premium features) should be evaluated.