Pre Synopsis

Area of Work: E-Commerce, Web Development, Digital Inclusion, Socio-Technical Systems

Proposed Title: **LocalRoots**: A Trust-Based Localized E-Commerce Platform for Small Shopkeepers

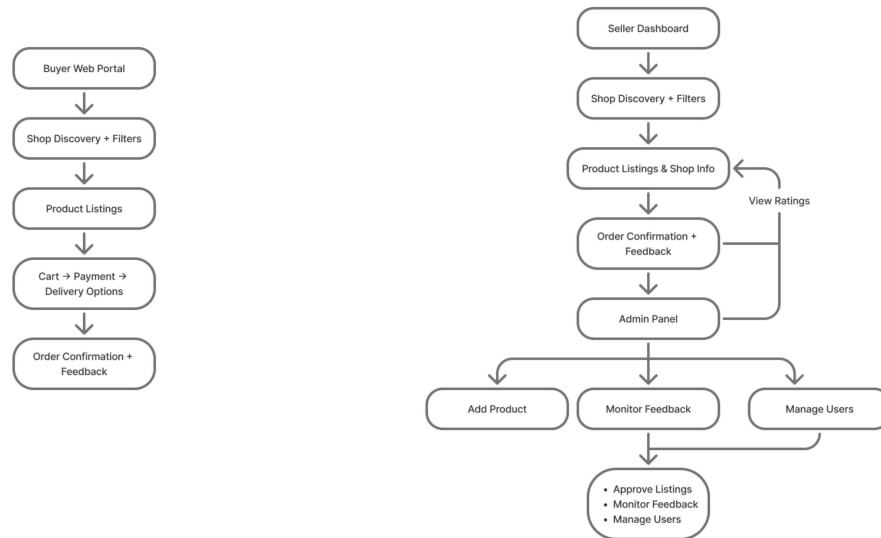**Type of Approach:** Software Based Working Model

Concepts/Ideas:
- Many small and local shopkeepers are unable to sell online due to lack of technical knowledge, awareness, or platform complexities.
- This project aims to bridge the digital gap by providing them with a simple, region-specific e-commerce platform that is community-verified and buyer-trusted.
- Buyers can discover trusted shops in specific regions, explore shop stories, and place orders for local delivery or pickup.

Objectives:
- To empower small shopkeepers with an easy-to-use digital selling platform.
- To provide buyers with authentic, trust-based shopping options in any locality.
- To build an admin interface for managing shops, users, deliveries, and quality control.

General Block Diagram of the Model:

Requirements:
- System with internet access
- ReactJS
- Django
- MongoDB
- Firebase (for auth)
- Razorpay API (for payment)

Name of the Team Members:
1. Aastha Prakash (2201220100001)
2. Aman Tiwari (2201220100021)

Important References: The idea for this project was inspired by a **small survey** conducted using **Google Forms** to understand the online presence and selling challenges faced by local shopkeepers. The insights gained from this survey shaped the features and objectives of the proposed platform.