Feasibility Study

FreshVeggieMart is an online platform designed to simplify the purchase of fresh vegetables, providing users with a convenient way to browse, select, and order fresh produce for home delivery. The system enables users to create accounts, view available vegetables, place orders, and make secure payments. Administrators can manage product listings, order processing, customer feedback, and inventory through a user-friendly Admin Dashboard. This feasibility study assesses the technical, economic, and operational aspects to ensure that the system can be successfully developed, deployed, and maintained.

Feasibility Study Types

1. ### Technical Feasibility
   Technical feasibility evaluates whether the necessary technology, tools, and resources are available to develop the system. FreshVeggieMart will be built using modern web technologies such as HTML, CSS, and JavaScript for the front-end interface, while the back-end will utilize PHP and MySQL to manage user data, product inventories, and orders. The system will integrate with secure payment through online transactions.

2. ### Economic Feasibility
   Economic feasibility examines the financial viability of the project, considering development costs, operational expenses, and potential revenue. Annual maintenance and operational costs are projected to range from $15,000 to $30,000, covering hosting, software updates, and customer support. Revenue will be generated through order margins, delivery fees.

3. ### Operational Feasibility
   Operational feasibility assesses how well the system will integrate into existing workflows and whether it will meet user expectations. FreshVeggieMart will enhance the shopping experience by allowing customers to order fresh vegetables from the comfort of their homes, reducing the need for physical store visits. The Admin Dashboard will streamline operations for administrators, enabling efficient product management, order tracking, and customer interaction. Minimal training

will be required for staff to navigate the system, and automated processes will reduce manual errors. The platform’s mobile-friendly design ensures accessibility for a broad user base, improving customer satisfaction and operational efficiency.