**Feasibility Study**

The Furniture Management System is an online platform designed to help manage furniture inventory, sales, and customer interactions more efficiently. It connects furniture sellers, buyers, and administrators through an easy-to-use interface. The system includes secure user accounts, product browsing, a wishlist for favorite items, secure payments, and buyer feedback. Sellers can upload and track their furniture listings, while administrators manage users and handle disputes. This study looks at whether the project is practical in terms of technology, cost, and operations.

**Objectives of Feasibility**

**Meeting Business Needs:** The system helps businesses by:

* Organizing furniture inventory better.
* Making furniture more affordable and accessible.
* Helping sellers reach more customers and earn money. The system solves common problems like tracking inventory and handling orders.

**Using Existing Technology and Budget:** The system can be built using common web technologies like HTML, CSS, JavaScript, PHP, and MySQL, staying within the budget.

**Connecting with Other Systems:** The system can link to existing tools like payment services (e.g., Stripe, PayPal) and delivery services through APIs.

**What Happens Without the System?**

Without the system, businesses would have to rely on manual tracking or spreadsheets, which can lead to errors and inefficiencies. As an alternative, customers could call to book furniture viewings and purchases.

**Current Problems and How the System Helps:**

Manual tracking leads to errors and difficulty in managing orders. The new system automates these processes, making things faster and improving customer experience.

**How the System Helps the Business:**

The system will make furniture management more efficient, cut down costs, and improve customer satisfaction.

**Data Sharing and Integration:**

The system can easily share data with other business tools like payment services and logistics companies through APIs.

**New Technology Needed:**

Yes, the system will use technologies like HTML, CSS, JavaScript, PHP, and MySQL, which may be new to the organization.

**What the System Must Support:**

The system should include user sign-ups, product listings, purchases, and secure payments. Some features like in-house delivery and advanced analytics may come later due to budget limits.

**Types of Feasibility**

**Technical Feasibility:**

This checks if the system can be built with available hardware and software within time and budget. The required technologies are easy to use and can grow with the business.

**Operational Feasibility:**

This checks if the system will work well for buyers, sellers, and administrators. The system is expected to solve major challenges like tracking orders and managing customers.

**Economic Feasibility:**

This checks if the system will be financially beneficial. The initial cost to build the system is affordable, and it can generate income through sales commissions, premium listings, and ads. Maintenance costs will be manageable, and profits are expected in the long run.