

Assignment — 01

Q. Define a problem statement & give a brief executive summary snapshot.

Problem :— Home maintenance & repairs can be a significant source of stress for homeowners and renters alike. The process of identifying issues, finding reliable professionals, and ensuring quality work presents several challenges. Many service providers do not offer transparent pricing upfront, leading to unexpected or hidden costs once the job is complete.

A) Executive Summary Snapshot :—

The project involves the development of a comprehensive website dedicated to streamlining home maintenance & repairs for homeowners & renters. The platform will connect users with reliable services providers, offer transparent pricing, & simplify the scheduling & management of maintenance tasks.

Homeowners & renters face significant challenges in maintaining their homes, including difficulty finding trustworthy service providers, unclear pricing, scheduling conflicts, and a lack of quality assurance. These issues often lead to frustration, increased costs, and potential safety risks.

High Demand for reliable services — There is a consistent demand for home maintenance & repair services across various demographics, including homeowners, renters, & property managers. Regular maintenance is essential to preserve property value, prevent costly repairs, & ensure safety.

Increasing DIY Trends :- While there is a rise in do-it-yourself (DIY) home improvement projects, many homeowners still prefer hiring professionals for more complex or time-consuming tasks.

This project aims to create a trusted, efficient, and user-centric solution for home maintenance and repairs. By addressing key pain points in the market, the platform will offer homeowners and renters peace of mind and a simplified process for managing their homes.

B) Project Description :-

The purpose of the Home Maintenance & Repairs project is to develop a digital platform that simplifies and enhances the process of maintaining and repairing homes. This platform aims to address common challenges faced by homeowners, renters & property managers by providing a reliable, transparent, and user-friendly solution for finding and booking service providers. The solution for the Home maintenance and Repairs is to create an website by which people can be less stressful. A real-time services marketplace that connects users with local repair professionals available on short notice can simplify home maintenance.

Local Services Providers & Contractors :- Many individuals contact local handymen, contractors, or specialized tradespeople directly. This approach typically involves searching through phone books, local advertisements, or online classified ads. However, this method can be time-consuming, lacks price transparency, and often requires significant follow-up and co-ordination.

There is a clear opportunity to develop a platform that integrates, the best features of existing solutions while addressing their

shortcomings, particularly in areas such as quality assurance, pricing transparency & sustainability.

The Challenges people face in Home Maintenance & Repairs is :-

i) Finding Reliable Services Providers.

- Trust & Quality :— It can be difficult to find trustworthy and skilled service providers. Homeowners often face risks of hiring unqualified professionals or those with poor reviews.

ii) Scheduling & Co-ordination.

- Availability Issues :— Co-ordinating schedules between homeowners and service providers can be challenging, especially for urgent or emergency repairs.
- Time delays :— Delays in service can disrupt daily routines & leads to extended periods of inconvenience.

iii) Maintenance Management :—

- Tracking Tasks :— Keeping track of regular maintenance tasks and schedules can be challenging, leading to neglected areas & potential issues.
- Record keeping :— Managing record of past services, warranties, & repairs is often cumbersome and prone to disorganization.

iv) Emergency Repairs :—

- Urgency & Stress :— Dealing with urgent repair needs, such as plumbing leaks or electrical issues, can be stressful & requires prompt action.
- Availability of Emergency services :— Finding reliable & available emergency repair services can be challenging, especially outside of regular business hours.

I recognized that many people struggle with finding reliable, trustworthy, & skilled service providers for their home maintenance and repair needs. I saw an opportunity to enhance the user experience by creating a platform that simplifies the process of managing home maintenance & repairs.

c) Project scope. :-

Specific Goals of the Home Maintenance and Repair is to create a comprehensive service directory to develop a detailed and searchable database of vetted home maintenance and repair professionals across various trades. (e.g., plumbing, electrical, HVAC).

To simplify the Booking Process :- Implement a user-friendly scheduling system that allows homeowners to book appointments easily, with options for emergency repairs & recurring maintenance.

Home maintenance and repairs encompass a wide range of tasks necessary to keep a property in good condition, prevent damage & ensure safety & functionality.

Deliverables :-

1) Website :- A fully functional, user-friendly website connecting homeowners with trusted professionals for home maintenance and repair services.

2) Professional Directory :- A comprehensive directory of professionals with profiles, reviews, & ratings.

3) Service Booking System :- A system allowing homeowners to book & schedule services with professionals.

4) Maintenance Resources :- A library of maintenance tips, guides, & recommendations for homeowners.

Development Costs :—

- 1) Website Development :— 100000
- 2) Professional directory :— 15000
- 3) Service Booking System :— 20000
- 4) Payment Processing :— 10000
- 5) Maintenance Resources :— 8000

Total — 153000

10 And remaining many

Setting realistic deadlines for the home maintenance & repairs project is crucial to ensure timely delivery while maintaining high quality.