

Mini Project-I (K24MCA18P)

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Project name – Home Fixora

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HomeFixora: Connecting Customers with Skilled Mechanics

HomeFixora is a user-friendly platform that connects customers with skilled mechanics in their preferred location. It offers a wide range of services, including carpentry, plumbing, electrical work, painting, and more.





Introduction to Home Fixora

- 1 Convenient Service**
HomeFixora provides a simple and efficient solution for finding reliable and qualified mechanics for various home services.
- 2 Customer-Centric Approach**
The platform prioritizes customer satisfaction by ensuring transparency, ease of use, and reliable service.
- 3 Bridging the Gap**
HomeFixora connects skilled mechanics with customers in need, creating a mutually beneficial relationship.

Problem Statement and Motivation

Difficulty Finding Reliable Mechanics

Customers often struggle to find trustworthy and skilled mechanics for their home repairs or maintenance.

Lack of Transparency

Traditional service providers may lack transparency regarding pricing, availability, and experience.

Time-Consuming Process

Finding and hiring a mechanic can be a lengthy and inconvenient process, especially in emergencies.



Literature Review: Online Marketplaces for Home Services

Existing Marketplaces

Numerous online platforms facilitate the connection between customers and service providers.

These platforms offer a range of services, including home repairs, cleaning, and errands.

Key Features

Common features include user profiles, ratings and reviews, location-based search, and secure payment options.

Platforms often utilize location-based technology to connect users with local service providers.

Challenges and Opportunities

Maintaining quality control, managing customer expectations, and ensuring fair pricing are ongoing challenges.

Opportunities exist for innovation in user experience, service offerings, and technology integration.

Objectives and Scope

1

Develop a User-Friendly Platform

Create a website with an intuitive design and easy navigation to facilitate user interaction.

2

Connect Customers with Skilled Mechanics

Establish a reliable platform for matching customers with qualified and experienced mechanics.

3

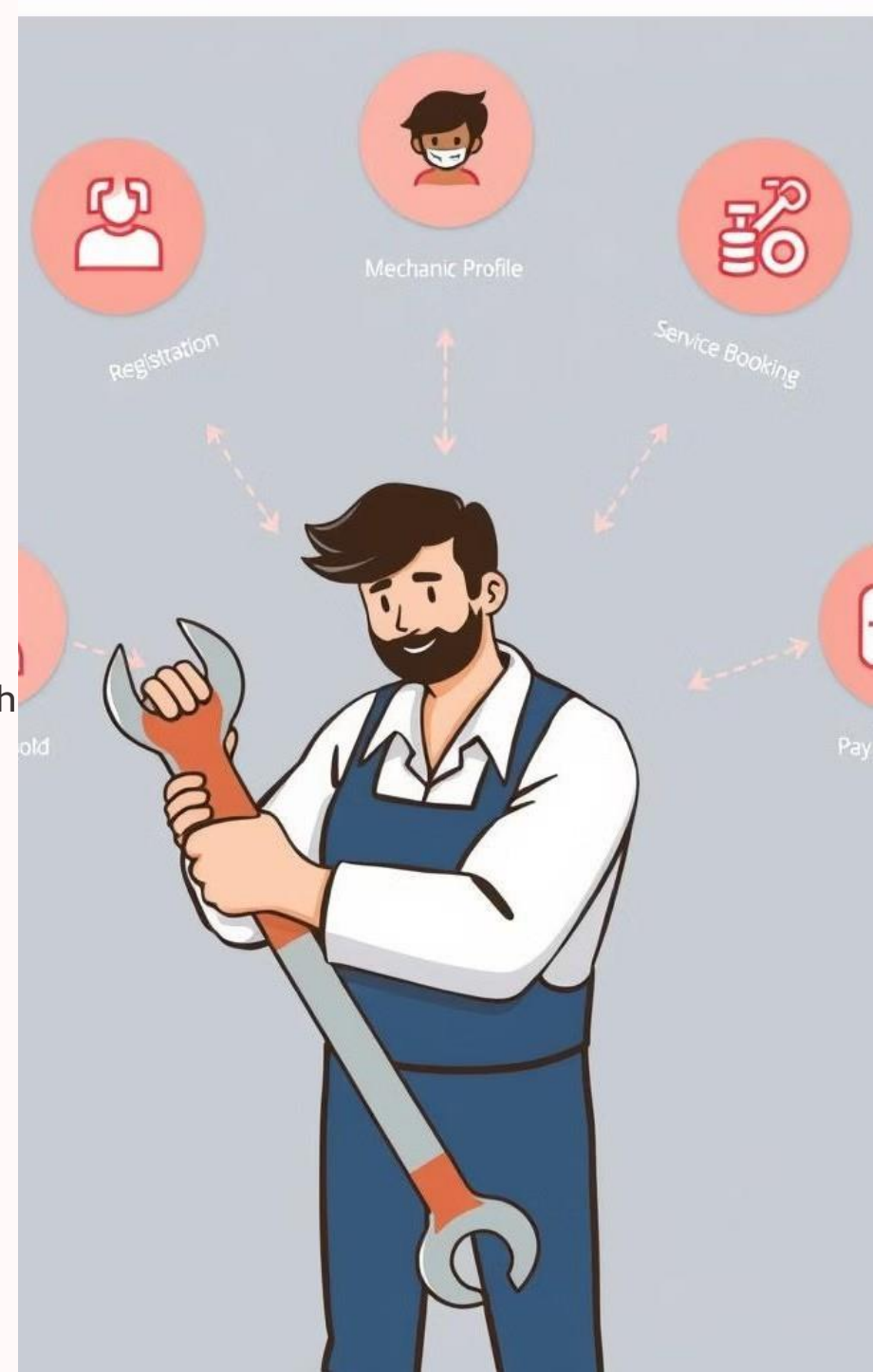
Offer Comprehensive Services

Provide a wide range of services, including carpentry, plumbing, electrical work, painting, and more.

4

Secure Payment Gateway

Integrate a secure payment gateway for customers to make payments conveniently and safely.



Key Features of HomeFixora



User Profiles

Both customers and mechanics can create detailed profiles with information about their preferences and skills.



Location-Based Search

Customers can search for mechanics based on their location, ensuring convenience and proximity.



Ratings & Reviews

Customers can rate and review mechanics based on their experience, providing valuable feedback and transparency.



Booking & Scheduling

Customers can easily book services, schedule appointments, and track the progress of their requests.



Technology Stack and Implementation

1

Frontend Development

HTML, CSS, JavaScript, and React were used to create a responsive and user-friendly interface.

2

Backend Development

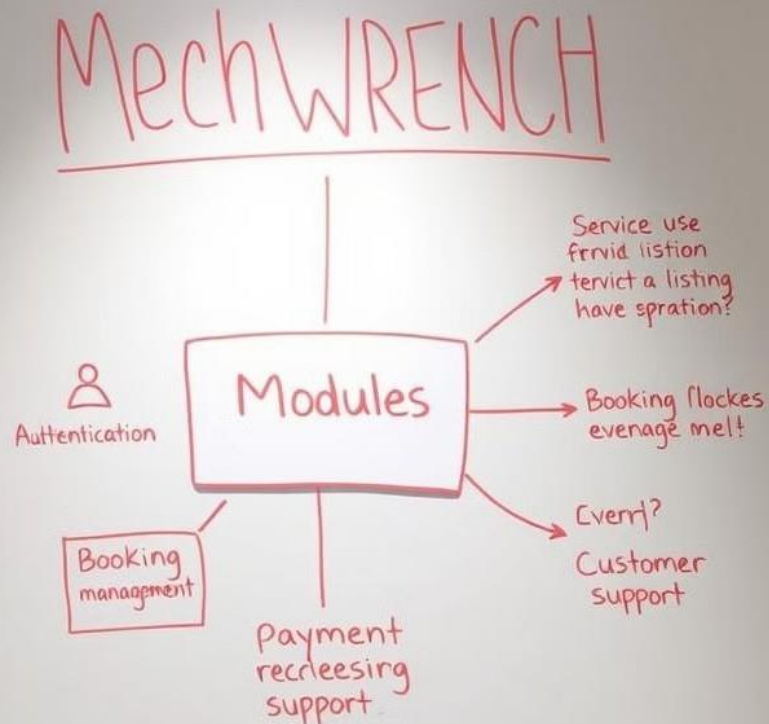
Node.js and Express were used to handle server-side logic and API requests.

3

Database Management

MongoDB was chosen as the database to store user data, service information, and booking records.

Modules



User Authentication

Secure registration and login for customers and mechanics.

Service Listing

Displaying available services with detailed descriptions and pricing.

Booking Management

Handling booking requests, scheduling appointments, and managing confirmations.

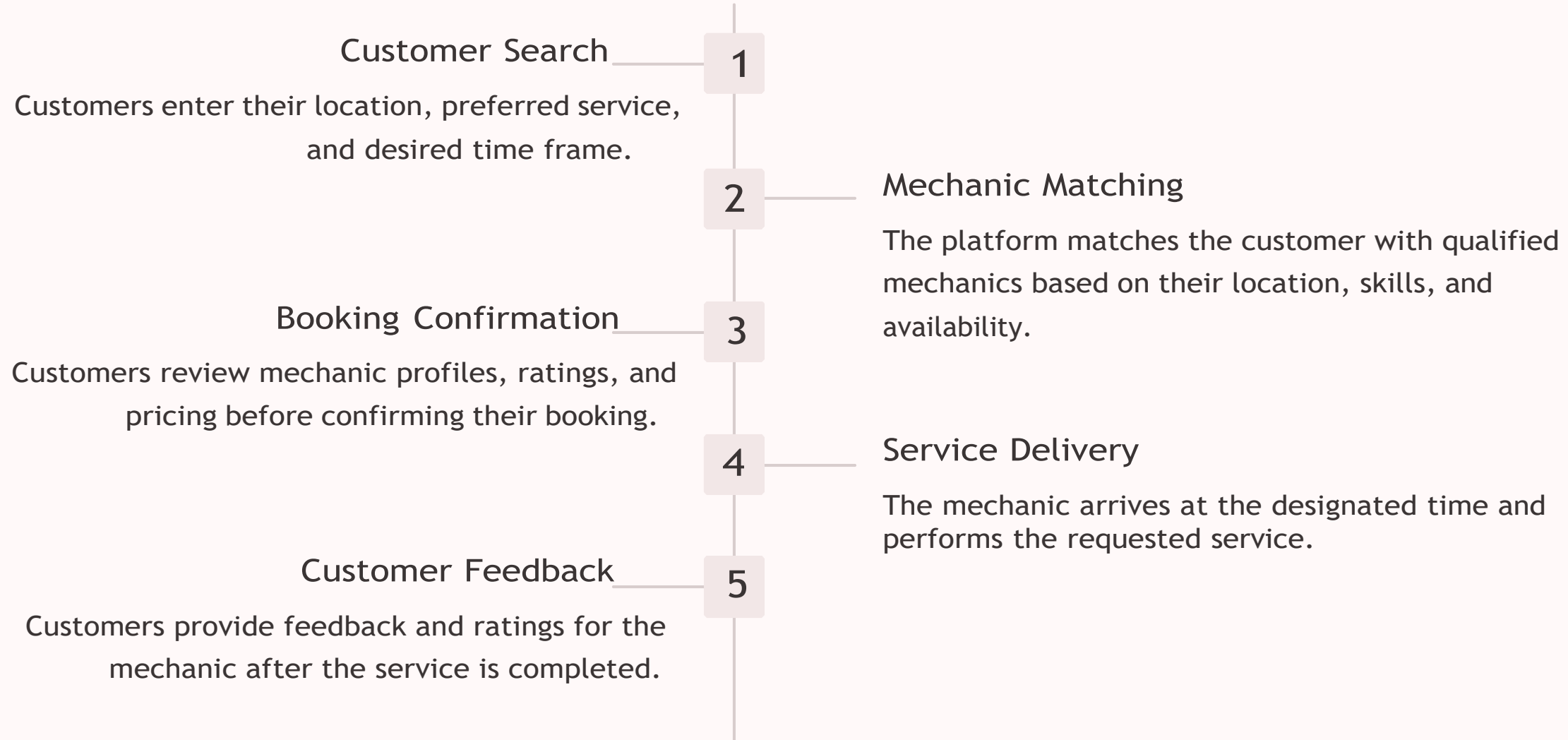
Payment Processing

Integrating a secure payment gateway for convenient and safe transactions.

Customer Support

Providing customer support channels for inquiries, feedback, and issue resolution.

Workflow





Conclusion and Future Enhancements

1

Success of HomeFixora

HomeFixora has successfully addressed the challenges of finding reliable mechanics by providing a user-friendly platform with convenient features.

2

Future Enhancements

Future enhancements include adding new service categories, implementing real-time chat, and integrating AI-powered recommendations.

3

Impact

HomeFixora aims to continue connecting customers with skilled mechanics, providing a reliable and efficient service experience.