

Integrated Project-II on *HomeEase* (Course Code: CS205)

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Batch - 2022

Problem

Statement

Challenges in Home Services:

- Difficulty in finding skilled and trustworthy workers.
- Issues with availability, pricing transparency, and service quality.
- Lack of job stability for skilled workers.
- Need for a platform that connects customers with reliable service providers.



Solution

What is HomeEase?



- A digital platform connecting customers with local service providers (electricians, plumbers, carpenters, etc.).
- Ensures transparent pricing, reliable services, and easy booking.
- Empowers workers by providing job opportunities and business growth.

Key Features

- User Registration & Login: Secure authentication for customers and workers.
- Service Browsing: Users can explore various services available.
- Worker Profiles: Detailed profiles including experience, ratings, and reviews.
- Booking System: Customers can schedule and confirm services.
- Review & Ratings: Builds trust through customer feedback.

[Login](#)

Email

Password

User

Login

[Register](#)

Full Name

Email

Password

City

User

Register

Book Plumbing

Parwanoo

safalmistri (5 yrs exp) - ★ 0

03 / 12 / 2025

10:00 PM

Book Now



Plumbing

We provide expert plumbing services including pipe repairs, leak detection, faucet installations, and drainage solutions.

Starting from ₹299 - ₹2,999

★ 4.7 (1284 reviews)

Available Workers

safalmistri - (5 yrs exp) - ★ 0

How it Works

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Available Workers

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- 1) Users Register/Login
- 2) Browse and Select a Service
- 3) View Worker Profiles & Availability
- 4) Book a Service & Make Payment
- 5) Worker Gets Notified & Confirms
- 6) Service is Completed & Reviewed

Login

Email

Password

User

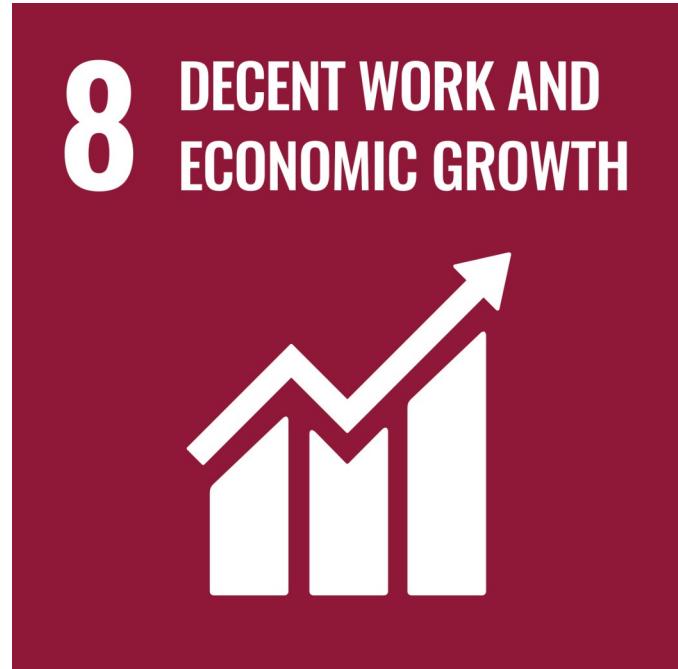
Login

Project Provides:

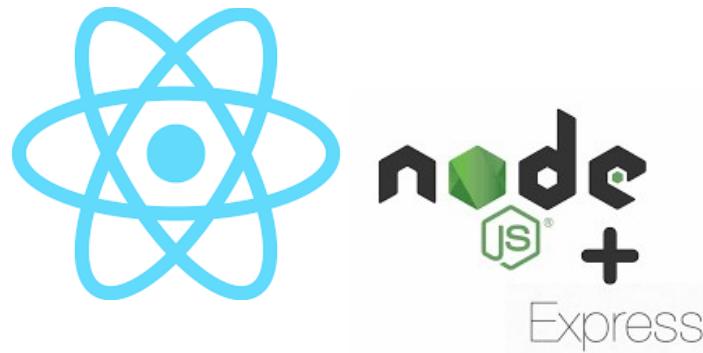
- # Stable jobs and financial security.
- # Business growth opportunities.
- # Encourages skill improvement through feedback.
- # Inclusion of marginalized workers and women.

Benefits for Economy:

- # Supports local businesses.
- # Reduces unemployment.
- # Strengthens community-based economic growth.

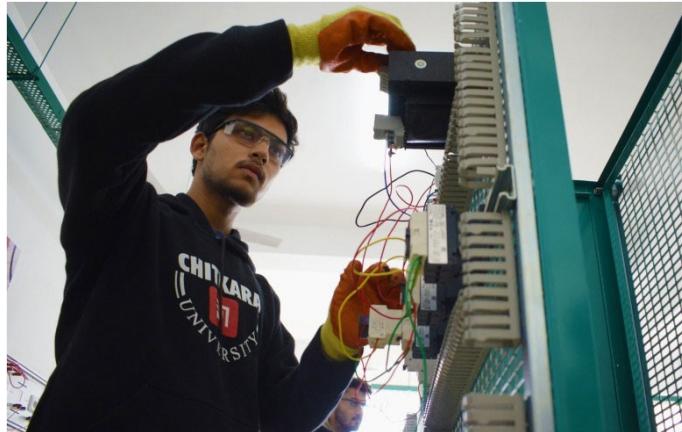


Tech Stack



- Frontend: React (TS) + Vite + Tailwind CSS → Fast, scalable UI.
- Backend: Node.js + Express.js + JWT → API handling & authentication.
- Database: MongoDB (NoSQL) → Stores user & service data.
- Security: Uses JWT for authentication, but passwords are stored directly (will implement bcrypt hashing soon).

Future Scope



- Expanding to more cities and services by hiring more verified workers .
- Adding AI-based worker recommendations.
- Implementing in-app payment options.
- Introducing verification and training certificates for workers.

Conclusion



- HomeEase simplifies the home service industry.
- Creates job stability and economic opportunities.
- Ensures convenience, transparency, and trust.
- A scalable and sustainable solution for the future.

Thank You