

Fixora – Project Documentation

1. Introduction

Fixora is a web platform that connects users with skilled workers across various specialties such as plumbing, electricity, carpentry, AC maintenance, and more. The platform also includes an AI chatbot to help users diagnose minor problems.

2. Project Idea

Fixora functions like a service marketplace where customers can search for workers, view profiles, check ratings, hire them, and chat directly.

3. Project Goals

- Help users find reliable workers quickly.
- Allow workers to showcase skills and get more job opportunities.
- Improve service quality through customer reviews.
- Provide a smart chatbot for quick answers.
- Implement a recommendation system.

4. Target Users

Customers: homeowners, tenants, offices.

Workers: plumbers, electricians, carpenters, AC technicians, maintenance specialists.

5. Core Features

For Customers:

- Account registration and login
- Worker search with filters
- Worker profile page
- Internal chat system
- Service requests
- Rating and reviews

For Workers:

- Professional account
- Portfolio upload
- Set prices

- Respond to requests
- Manage ratings & chats

Chatbot:

- Answers simple questions
- Recommends workers
- Provides safety warnings

Recommendation System:

Based on specialty, price, rating, response time, location.

6. User Stories

Customers:

- Create account
- Search workers
- Filter results
- View worker profile
- Request service
- Chat with workers
- Rate service
- Receive notifications
- Use chatbot

Workers:

- Create professional profile
- Upload portfolio
- Manage availability
- Receive requests
- Chat with customers
- Track reviews

Admin:

- Manage users/workers
- Monitor orders

- Remove low-rated workers

7. API Documentation

Auth APIs

POST /auth/signup

POST /auth/login

Worker APIs

GET /workers

GET /workers/:id

POST /workers

PATCH /workers/:id

POST /workers/:id/availability

Tasks APIs

GET /tasks

Orders APIs

POST /orders

GET /orders

PATCH /orders/:id/status

Reviews APIs

POST /reviews

GET /workers/:id/reviews

Chat APIs

POST /chat

GET /chat/:order_id

Chatbot APIs

POST /chatbot

Notifications APIs

GET /notifications?user_id=ID

Admin APIs

GET /admin/users

DELETE /admin/workers/:id

GET /admin/reports