

HOLY ANGEL UNIVERSITY

A Final Project
Presented to The Faculty of the
School of Computing



FIXIFY

In Partial Fulfillment
of the Requirements for the Course
Web Server and Client Services (6WCSERVER)

Submitted by:

David, Ryna Mae
Sarmiento, Adrian
Sicat, Kurt Justine
Villanueva, Martin

WD - 302

Submitted to:

Mr. Tjakoen Stolk

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Project Overview

Fixify is a web-based service marketplace platform that assists customers in identifying and connecting to local services providers verified from Angeles City, Pampanga. The platform develops a solution for customers searching through the market for trusted professionals who perform essential services for the home, by creating a centralized location to browse, book, and review service providers in three main areas: Plumbing Services; Electrical Services; and Cleaning Services.

The platform uses a dual-sided marketplace framework with role-based access for users (i.e., customers, service providers, and administrators). Customers can look for service providers, view profiles that include ratings and reviews, book service requests with specific needs, and pay for services securely in an escrow system to hold funds until service is completed. Service providers can manage booking requests, monitor earnings, communicate with customers, and grow trust by having verified status and receiving feedback from customers. Administrators can oversee the operational flow of the platform, verify requested accounts registrations from service providers, verify transactions, and moderate user-generated content.

The online application Fixify is developed using a modern full-stack architecture: Vue.js 3 is used for the frontend; Node.js with Express.js is used for the backend API; and MongoDB Atlas is used for cloud data storage. Security is provided through JWT authentication with role-based authorization. In-app notifications alert the user to changes in their bookings and messaging in real-time. Fixify demonstrates important concepts in web development such as RESTful API design, database management, user authentication, and a responsive user interface.

The demonstration illustrates an application of full-stack web development principles with a focus on delivering a functional and scalable marketplace that emphasizes trust, transparency, and experience for all participants.



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Project Statement

The continuous growth in home service requests in urban communities has resulted in an ongoing challenge for users to access reputable, verified service providers. Residents of Angeles City, Pampanga experience this regularly when they are looking to connect with trusted service providers (e.g. plumbing, electrical work, cleaning). The issue is made even more challenging when you factor in the unavailability of online platforms that confirm the credentials of providers, provide line of sight to two way communication, and establish a secure payment structure.

Conventional search methods to find service providers through a combination of references from friends, advertisements on classified sites, or ads in social media groups all present important shortcomings. These ways of connecting consumers and service providers have little or no reliability verification, no price transparency, dispute resolution, or formal accountability of service by consumer feedback on a consistent and organized basis. As a result, consumers are uncertain about provider reliability and qualified service providers cannot find new customers or establish a credible brand reputation beyond their existing social network of clients.

Fixify fills this market void with a structured digital marketplace that connects service seekers with verified service providers in a trustworthy way. The platform has protocols that provide verification of service providers, establishes clear prices and booking, utilizes escrow for payment protection, and ensures there is a complete ratings and reviews system in place. Fixify centralizes all the functions in a single, web-based platform to reduce information asymmetry, validates trust in local market transactions, and holds service seekers and service providers accountable within a local market ecosystem.



Project Objectives

The development of Fixify aims to achieve the following objectives:

Primary Objectives:

1. Develop a functional web-based marketplace that connects customers with verified service providers across three core service categories: Plumbing, Electrical, and Cleaning.
2. Implement role-based authentication and authorization to support three distinct user types—customers, service providers, and administrators—with appropriate access controls and functionality.
3. Create a secure booking and payment system utilizing escrow mechanisms to hold funds until service completion, ensuring transaction security for both parties.
4. Establish a provider verification system that enables administrators to validate service provider credentials and maintain platform credibility.
5. Design and implement a comprehensive rating and review system that allows customers to evaluate completed services and supports informed decision-making for future users.

Secondary Objectives:

6. Integrate real-time notification functionality to inform users of booking status updates, new messages, and platform activities.
7. Develop an administrative dashboard for platform oversight, including user management, booking monitoring, and content moderation capabilities.
8. Demonstrate proficiency in full-stack web development by implementing RESTful API architecture, database design, and responsive frontend interfaces.
9. Apply Agile Scrum methodology throughout the development lifecycle to ensure iterative progress and adaptability to evolving requirements.

Target Users

Fixify is designed to serve three distinct user groups, each with specific needs and interaction patterns within the platform:

1. Customers (Primary Users)

- **Profile:** Residents of Angeles City, Pampanga seeking home maintenance and repair services
- **Needs:** Access to verified service providers, transparent pricing, secure payment methods, and service quality assurance through reviews
- **Technical Proficiency:** Basic to intermediate web navigation skills; comfortable with online booking systems

2. Service Providers (Primary Users)

- **Profile:** Licensed or experienced professionals offering Plumbing, Electrical, or Cleaning services in Angeles City
- **Needs:** Platform to showcase credentials, manage booking requests, track earnings, communicate with customers, and build professional reputation
- **Technical Proficiency:** Basic web and mobile device usage; ability to manage schedules and respond to inquiries

3. Platform Administrators (System Users)

- **Profile:** Fixify operations team responsible for platform management and quality control
- **Needs:** Comprehensive dashboard for user management, provider verification, booking oversight, review moderation, and platform analytics
- **Technical Proficiency:** Advanced understanding of platform operations and administrative functions

Project Scope

Inclusions:

The Fixify platform includes a wide-ranging set of features to support a service marketplace. The user management functionality has role-based registration and authentication for three different user roles - customers, service providers, and admins. The registration process involves logging in securely using JWT tokens with hashed passwords, and the ability to manage a user profile that allows users to upload an image.

Service provider functionality allows service providers to create their profiles with as much detail as possible, select service categories from Plumbing, Electrical, or Cleaning, and manage their services with detailed pricing and descriptions. Additionally, service providers will have the ability to both access and manage customer booking requests, allowing them to update the status of any booking request. Service providers can also keep track of their payment history and earnings, as well they will be able to message customers through an in app messaging service.

The customer-facing features include an extensive search and filter service provider by category and service area, the ability to view detailed provider profiles with ratings and reviews, the ability to create bookings with flexible dates, times, service parameters, and payments that will be held in escrow, and the ability to leave reviews so future customers can reference the services once completed.

The administrative dashboard allows for oversight of the platform, user and service provider management, a standardized service provider onboarding process, booking and transaction tracking, the ability to administer reviews and user-generated content, and access to statistical and analytic reporting.

Key platform features include the in-app notification feature, which notifies users when bookings are updated as well as regarding new messages, a real-time private messaging delivery system connecting customers to providers, a fully designed rating and review system with one-review-per-booking timeframes to maintain authenticity, a filter for service

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providers by areas in Angeles City, and a completely responsive web interface designed for access on both desktop and mobile platforms.

Delimitations

To remain focused on marketplace core activities, some features and functions have been excluded from the project scope. The platform does not connect to real payment gateways like PayMaya, PayPal, or GCash; payment functionality is simulated for demonstration purposes, and it will not process real financial transactions or funds transfers.

Location services are restricted to area-based filters only - no real-time GPS tracking of service providers or interactive maps with providers live. Users are able to select service areas based on predefined neighborhoods and not specific geographic coordinates or distance-based measurements.

Communication takes place entirely via notifications in the application; email notifications and SMS messages will not be available. All communications through the platform, such as booking notifications and messaging, are done within the application.

The geographically limited scope of the project is limited to Angeles City, Pampanga, and three types of service like Plumbing, Electrical, and Cleaning. The platform will only function as a web-based application. It will not be available as a native mobile application, an integration with another calendar system, or any automated scheduling and availability management capabilities.

The current implementation does not include advanced user features such as AI-based provider recommendations, dynamic pricing algorithms, multi-language support, video calling or screen sharing capabilities, or allowing significant file uploads beyond profile images, allowing the project to prioritize core marketplace functions and user experience needs.



Screen (Pages)

Public Pages

1. Landing Page - Homepage with hero section, features, service categories

The screenshot displays the Fixify homepage. At the top, there's a purple header bar with the Fixify logo and navigation links for Home, Services, About, Login, and Sign Up. Below the header is a large blue hero section featuring the text "Find Trusted Local Service Providers" and a subtext about connecting with verified professionals for various needs like plumbing, electrical, and cleaning. A "Get Started" button and a "Browse Services" button are present. To the right of the text is a photograph of two workers in green uniforms performing maintenance on a piece of furniture.

The next section, titled "Why Choose Fixify?", contains six cards highlighting features: "Verified Providers" (background checked and multi-verified), "Direct Communication" (in-app chat), "Secure Payments" (payment held until job completion), "Transparent Reviews" (read honest reviews from real customers), "Location-Based" (find providers in your area around Angeles City), and "Easy Scheduling" (book services at convenience with calendar-based scheduling).

The "Popular Services" section shows three categories: Plumbing (repairs, installations, maintenance), Electrical (wiring, fixtures, troubleshooting), and Cleaning (home, office, deep cleaning). A "View All Services" button is located below these cards.

The "How Fixify Works" section is divided into four numbered steps: 1. Search & Browse (find service providers by category or location), 2. Review & Compare (check profiles, ratings, and reviews), 3. Book & Pay (schedule service and make secure payment), and 4. Get Service (provider completes job, you confirm and review).

The final section, "Ready to Get Started?", encourages users to join thousands of satisfied customers. It features "Sign Up Now" and "Become a Provider" buttons. The footer contains links for Fixify (Connecting you with trusted local service providers), Quick Links (Services, About Us, Contact), For Providers (Become a Provider, Guidelines), Legal (Terms of Service, Privacy Policy), and a copyright notice (© 2025 Fixify. All rights reserved).

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2. About Page - Mission statement, team profiles, tech stack

The screenshot displays the 'About Fixify' page of the Fixify website. At the top, there's a blue header bar with the Fixify logo and navigation links: Home, Services, Areas, Dashboard, Messages, and Logout. Below the header, the main content area has a purple header titled 'About Fixify' with the tagline 'Connecting communities with trusted service providers'. The page is divided into several sections:

- Our Mission:** A text block explaining Fixify's purpose: connecting service providers for households and office needs. It highlights the convenience of finding reliable service providers through the Fixify platform.
- Our Core Values:** Four boxes representing Trust & Safety, Transparency, Fairness, and Convenience.
- How Fixify Works:** A four-step process: 1. Browse & Search (listing service providers by location or service), 2. Review Profiles (viewing reviews, ratings, and service details before making a decision), 3. Book & Pay (requesting a service and paying securely), and 4. Confirm & Review (receiving a confirmation email and leaving a review).
- Meet the Team:** A section featuring five team members with their names, roles, and brief descriptions. The team includes Adrian P. Sarmento (Project Leader & Full Stack Developer), Ryna Mae F. David (Frontend & Backend Developer), Martin Conrad S. Villanueva (Frontend Developer & UX/UI Designer), and Kurt Justine T. Sicat (Technical Writer & Backend Developer). There is also a placeholder for a fifth member, K.S.
- Built With Modern Technology:** A section detailing the technologies used in the development of Fixify, including Frontend (React.js, HTML & CSS, Responsive Design) and Backend (Node.js, Express.js, MongoDB).
- Get In Touch:** A contact form for users to send questions or feedback. It includes fields for Name, Email (fixify@fixify.ph), GitHub, View Repository, LinkedIn, and Holy Angel University. A 'Contact Us' button is at the bottom.
- Footer:** A dark footer with links to Fixify's services, areas, and contact information, as well as links for Service Providers (Become a Provider, Testimonials), Legal (Terms of Service, Privacy Policy), and a copyright notice: © 2021 Fixify All Rights Reserved.



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3. Contact Page - Contact form and information

Get In Touch

We'd love to hear from you. Send us a message and we'll respond as soon as possible.

Send Us a Message

First Name *

Last Name *

Email Address *

Phone Number

Subject *

Message *

Send Message

Contact Information

Email fixify@hau.edu.ph

Phone +63 912 345 6789

Address Holy Angel University
Angeles City, Pampanga
Philippines

Business Hours
Monday - Friday: 9:00 AM - 6:00 PM
Saturday: 10:00 AM - 4:00 PM
Sunday: Closed

Quick Links

[About Fixify](#)
[Browse Services](#)
[Sign Up](#)
[GitHub Repository](#)

FAQ

[How do I book a service?](#) +

[Are providers verified?](#) +

[How does payment work?](#) +

[Can I cancel a booking?](#) +

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4. Service Categories Page - Grid of 3 service categories (Plumbing, Electrical, Cleaning)

The screenshot shows the Fixify website's service categories page. At the top, there is a navigation bar with links for Home, Services, About, Dashboard, Messages, and Logout. Below the navigation is a purple header with the text "Find the Right Service" and a sub-instruction "Browse by category to find verified local providers". A search bar with the placeholder "Search for services..." and a "Search" button are located below the header. The main content area features three service categories in a grid:

- Plumbing**: Shows two workers on a ladder working on pipes. Description: Pipes, leaks, installations, and repairs. Providers: 1 provider.
- Electrical**: Shows a worker in a hard hat working on electrical wiring. Description: Wiring, fixtures, and electrical repairs. Providers: 1 provider.
- Cleaning**: Shows two workers cleaning a sofa. Description: Home, office, and general cleaning services. Providers: 1 provider.

At the bottom of the page is a dark footer with links for Fixify (Connecting you with trusted local service providers), Quick Links (Services, About Us, Contact), For Providers (Become a Provider, Guidelines), and Legal (Terms of Service, Privacy Policy). The footer also includes a copyright notice: © 2025 Fixify. All rights reserved.

5. Search Results Page - Provider listings with filters

The screenshot shows the Fixify website's search results page for the term "Electrical". The interface is similar to the service categories page, with a purple header, search bar, and a main content area displaying search results. The search results for "Electrical" are shown in a card format:

- Electrical**: Shows a worker in a hard hat working on a circuit breaker panel. Description: Wiring, fixtures, and electrical repairs. Providers: 1 provider.

The footer of the page is identical to the one on the service categories page, containing links for Fixify, Quick Links, For Providers, and Legal, along with the copyright notice: © 2025 Fixify. All rights reserved.



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6. Provider Profile Page - Detailed provider profile with reviews

Fixify

← Back to Categories

Plumbing Services

1 providers found in your area

Filters

Service Area

Price Range

Minimum Rating

Verification Status

Verified providers only

Sort by: Highest Rated



Jate Velasquez
plumbing
No description available
Rate: N/A/hr Experience: 3 years Area: Angeles City Center

Contact Book Now

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Authentication Pages

7. Login Page - User login form

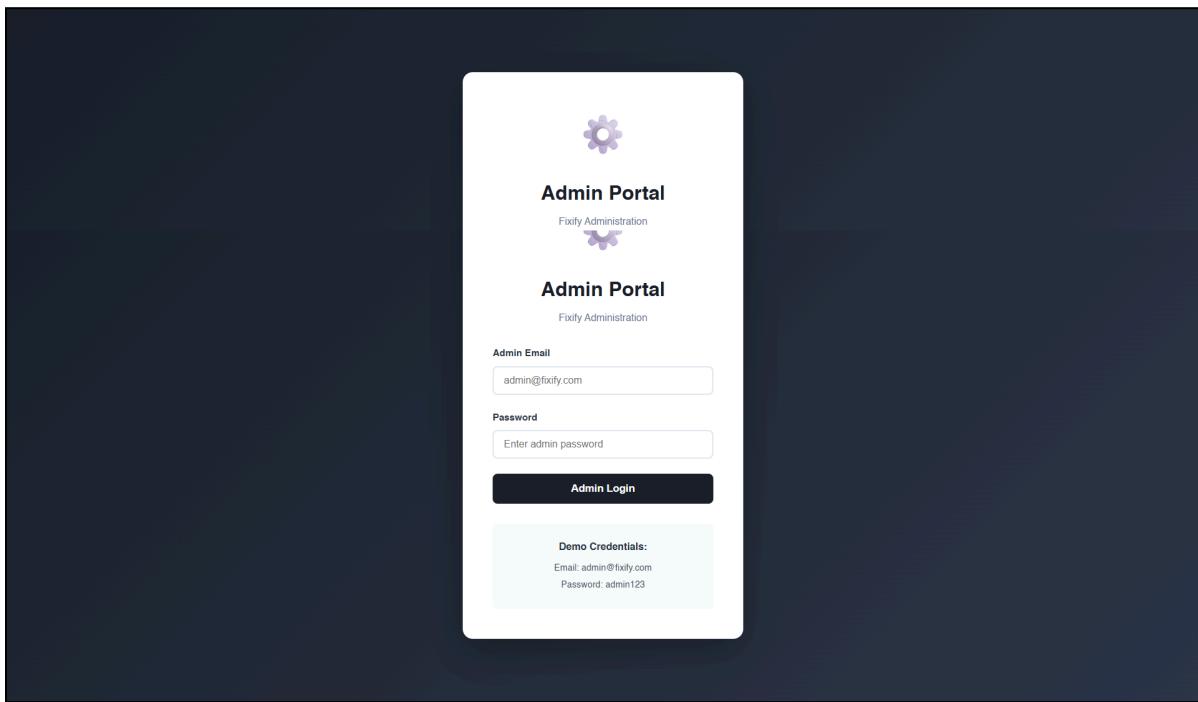
The screenshot shows a purple-themed registration form titled "Create Your Account". At the top, there are two buttons: "I need services" (blue) and "I'm a service provider" (white). Below these are four input fields: "Full Name" (placeholder: "Enter your full name"), "Email Address" (placeholder: "Enter your email"), "Phone Number" (placeholder: "Enter your phone number"), and "Password" (placeholder: "Create a password"). There is also a "Confirm Password" field (placeholder: "Confirm your password"). A checkbox labeled "I agree to the Terms of Service and Privacy Policy" is present, followed by a "Create Account" button. At the bottom, a link says "Already have an account? Log in". The top navigation bar includes links for Home, Services, About, Login, and Sign Up.

8. Sign Up Page - Registration with customer/provider toggle

The screenshot shows a purple-themed login form titled "Welcome Back". It instructs users to "Log in to access your Fixify account". There are two input fields: "Email Address" (placeholder: "Enter your email") and "Password" (placeholder: "Enter your password"). Below the password field are two checkboxes: "Remember me" and "Forgot Password?". A "Log In" button is centered at the bottom. At the very bottom, a link says "Don't have an account? Sign up". The top navigation bar includes links for Home, Services, About, Login, and Sign Up.

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9. Admin Login Page - Separate admin login



Customer Dashboard

10. Dashboard Page - Customer view with tabs: - My Bookings tab - Payments tab - Settings tab

A screenshot of the Fixify customer dashboard. At the top, it says "Welcome back, Maxene Quiambao!" and "Manage your bookings and account". There is a "Book a Service" button. On the left, a sidebar has a "My Bookings" tab (which is active and highlighted in purple), a "Payments" tab, and a "Settings" tab. The main content area is titled "My Bookings" and shows a list of bookings. One booking is visible: "Car Cleaning" by Martin Conrad, completed on Nov 6, 2025, at 09:00, located at 123# Holy Angel Village, City of San Fernando, Pampanga. The amount was ₱3850. Below the booking details are buttons for "✓ Reviewed" and "View Details". At the bottom of the page, there is a footer with sections for "Fixify", "Quick Links", "For Providers", and "Legal", along with copyright information: "© 2025 Fixify. All rights reserved."

Booking & Payment

11. Booking Page - Service booking form

Fixify

Home Services About Dashboard Messages Logout

Book a Service

Complete your booking details

Service Provider



Jate Velasquez
plumbing
★ N/A (0 reviews)

Booking Summary

Service	Not selected
Date	Not selected
Time	Not selected
Service Fee	₱0
Platform Fee	₱0
Total Amount	₱0

Payment will be held securely and released to the provider only after service completion confirmation.

Select Service

- Emergency Leak Repair**
 Fix urgent leaks and pipe issues
₱800
- Drain Cleaning**
 Unclog drains and sewers
₱500
- Fixture Installation**
 Install sinks, faucets, toilets
₱1000

Cancellation Policy

- Free cancellation up to 24 hours before service
- 50% refund within 24 hours
- No refund for same-day cancellations

Schedule

Preferred Date Preferred Time

Service Location

Full Address

Additional Notes (Optional)

Contact Information

Phone Number Email

I agree to the booking terms and cancellation policy

Proceed to Payment

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12. Payment Simulation Page - Payment options and processing

Fixify

Home Services About 1 Dashboard Messages Logout

Payment

Secure payment simulation for booking #68ebbf693c5c2df932127835

Secure Payment
Your payment is protected and held in escrow

Payment Method

Credit/Debit Card
Visa, Mastercard, or other cards

E-Wallet
GCash, PayMaya, or other e-wallets

Online Banking
Direct bank transfer

E-Wallet Details

Phone Number
09123456789
You will receive a notification on your mobile device to confirm payment

I understand this is a simulated payment and no actual charge will be made

Pay ₱1100

Order Summary

Jate Velasquez
Plumbing

Service	Fixture Installation
Date	November 6, 2025
Time	10:00
Location	123# Holy Angel
Service Fee	₱1000
Platform Fee (10%)	₱100
Total	₱1100

Payment Protection
Funds will be held securely and only released to the provider after you confirm service completion.

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13. Review Page - Leave review form (after completed booking)

The screenshot shows the 'Leave a Review' page on the Fixify platform. At the top, there's a navigation bar with links for Home, Services, About, Dashboard, Messages, and Logout. A notification icon with a red dot is visible next to the Dashboard link. The main content area has a title 'Leave a Review' and a subtitle 'Share your experience with Jate Velasquez'. Below this, there's a 'Service Details' section showing 'Service: Fixture Installation' and 'Date: November 6, 2025'. The next section is 'Your Rating', which displays five yellow stars and the word 'Excellent'. The final section is 'Your Review', containing a text input field with the placeholder 'Very professional like Zoro' and a character count of '27/1000'. A blue 'Submit Review' button is at the bottom.

Messaging

14. Messaging Page - Customer messaging interface

The screenshot shows the customer messaging interface on the Fixify platform. At the top, there's a navigation bar with links for Home, Services, About, Dashboard, Messages, and Logout. The 'Messages' tab is selected. The main area is titled 'Messages' and features a search bar. It lists two conversations: one with 'Jate Velasquez' (last message 'Galing niyo po' sent 'Just now') and another with 'Martin Conrad' (last message 'Thank you sa tiwala sah sa utilin' sent '8h ago'). On the right side, there's a large text input field for composing messages with a 'Send' button. The bottom of the screen has a dark footer with the Fixify logo, quick links (Services, About Us, Contact), provider links (Become a Provider, Guidelines), and legal links (Terms of Service, Privacy Policy). The footer also includes a copyright notice: '© 2025 Fixify. All rights reserved.'



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Provider Pages

15. Provider Dashboard - Provider view with tabs: - Jobs/Bookings tab - Earnings tab - Reviews tab - Services tab - Settings tab

The screenshot shows the Fixify Provider Dashboard. At the top, there's a profile section for "Jate Velasquez" with a placeholder photo, email "jate@gmail.com", and a "Provider" button. Below this are four summary boxes: "1 TOTAL JOBS", "1 COMPLETED", "₱1,000 TOTAL EARNINGS", and "5.0 RATING". A navigation bar below these includes tabs for "Jobs" (which is selected), "Earnings", "Reviews", "Services", and "Settings". The main content area is titled "Incoming Jobs" and lists a single booking for "Fixture Installation" from customer "Maxene Quiambao" on Nov 6, 2025, at 10:00. The address is "123F Holy Angel" and the amount is ₱1000. Notes include "Please bring proper tools". A "Message Customer" button is present.

16. Provider Messages Page - Provider-specific messaging

The screenshot shows the Fixify Provider Messages Page. On the left, a sidebar titled "Customer Messages" has a search bar and a list of messages from "Maxene Quiambao" with the message "Galing niyo po" and a timestamp of "2m ago". The main panel shows a conversation with "Maxene Quiambao" where the provider has sent the message "Galing niyo po" and a timestamp of "2m ago". To the right, there's a "Customer Info" section and a text input field "Type your message to customer..." with a "Send" button.

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Admin Pages

17. **Admin Dashboard Page** - Admin panel with tabs: - Overview tab (statistics) - Users tab - Providers tab - Bookings tab - Reviews tab - Settings tab

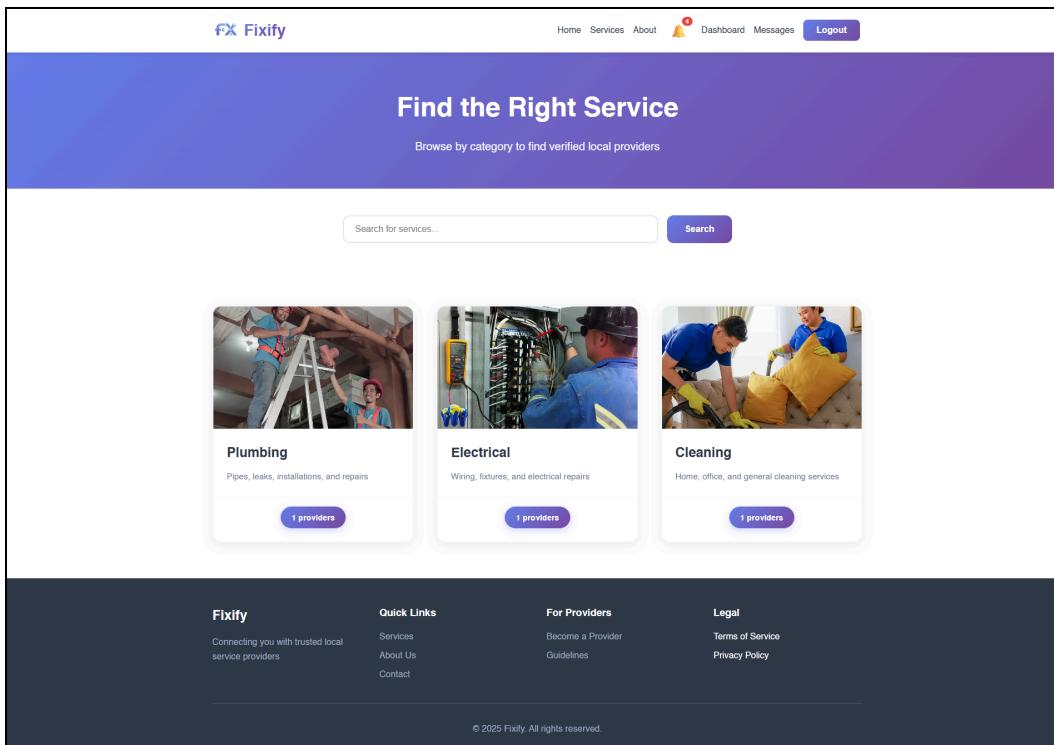
The screenshot shows the Fixify Admin Overview dashboard. On the left is a dark sidebar with a white header 'Fixify Admin' and a navigation menu containing 'Overview' (selected), 'Users', 'Providers', 'Bookings', 'Reviews', 'Settings', and 'Logout'. The main content area has a light gray header 'Overview'. Below it are four cards: 'Total Users' (5, +12% this month), 'Active Providers' (3, +8% this month), 'Total Bookings' (2, +19% this month), and 'Revenue' (₱450, +23% this month). The bottom section is titled 'Recent Activity' and lists ten recent events with icons, names, and timestamps:

- New review posted (5-star review for Jate Velasquez, 6m ago)
- Booking completed (Fixture Installation by Jate Velasquez, 9m ago)
- New user registered (Jate Velasquez joined as a provider, 7h ago)
- New user registered (Aishley Bundalian joined as a provider, 8h ago)
- New review posted (5-star review for Martin Conrad, 8h ago)
- Booking completed (Car Cleaning by Martin Conrad, 8h ago)
- New user registered (Martin Conrad joined as a provider, 8h ago)
- New user registered (Justin Nabunuran joined as a customer, 8h ago)
- New user registered (Maxene Quiambao joined as a customer, 8h ago)

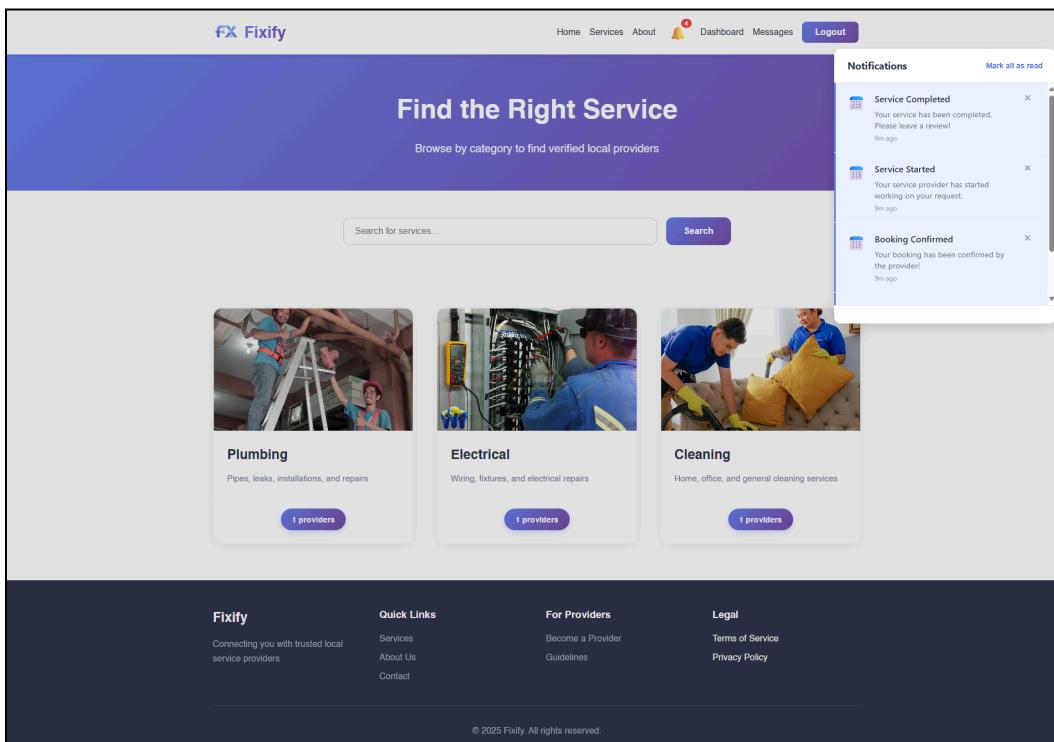
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Components to Highlight

18. App Header - With notification bell icon (logged in state)



19. Notification Bell - Dropdown showing notifications



Anticipated Challenge

The development of Fixify presented several technical challenges requiring strategic solutions. Implementing secure role-based authentication for three user types demanded careful JWT token management and state handling without browser storage capabilities. Designing a flexible MongoDB schema that accommodated multiple user roles while maintaining data integrity and efficient query performance required thoughtful relationship structuring.

Developing the escrow-based payment simulation involved managing complex state transitions and validation logic to ensure payment status aligned with booking progression. The in-app messaging and notification system required careful conversation management and polling mechanisms to balance user experience with system performance.

Frontend-backend integration through RESTful APIs necessitated proper authentication token handling, error management, and form validation alignment. Creating distinct yet visually cohesive interfaces for customers, providers, and administrators while maintaining responsive design demanded careful component architecture. Finally, continuous scope management was essential to balance feature ambitions with timeline constraints and technical limitations.

Methodology

Technology Used

1. Frontend

- Vue.js 3 (Component-based framework)
- Vue Router (Client-side routing)
- Vuex (State management)
- Axios (HTTP client)
- HTML5, CSS3, JavaScript (ES6+)

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2. Backend

- Node.js (Runtime environment)
- Express.js (Web framework)
- Mongoose (MongoDB ODM)
- JWT (Authentication)
- bcryptjs (Password hashing)
- Express-validator (Input validation)

3. Database

- MongoDB Atlas (Cloud NoSQL database)

4. Development Tools

- Visual Studio Code (IDE)
- Git & GitHub (Version control)
- Postman (API testing)
- Nodemon (Development server)

Timeline

Week 1 (September 14-20): Planning and Setup

- Project proposal and requirement gathering
- Database schema design and relationship mapping
- Technology stack selection
- Development environment setup and repository initialization

Week 2 (September 21-27): Frontend Development

- Authentication pages (Login, Signup, Admin Login)
- Landing page and public pages (About, Contact)
- Service category browsing and search functionality



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- Provider profile and booking interfaces
- Payment simulation page

Week 3 (September 28-October 4): Backend Development

- User authentication API with JWT implementation
- Provider management and verification endpoints
- Booking system with escrow payment logic
- Review and rating system
- Messaging and notification infrastructure

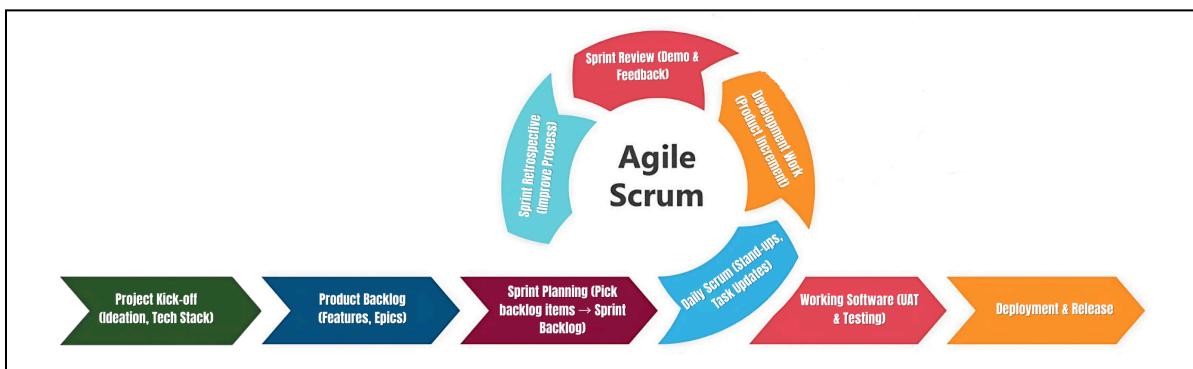
Week 4 (October 5-11): Integration and Finalization

- Frontend-backend API integration
- Dashboard implementation (Customer, Provider, Admin)
- Messaging system integration
- Testing, bug fixes, and performance optimization
- Final documentation and project submission

Development

The Fixify platform was developed following Agile Scrum methodology, employing iterative development cycles to ensure continuous progress, adaptability, and quality assurance throughout the project lifecycle.

Development Framework (Agile Scrum Methodology)

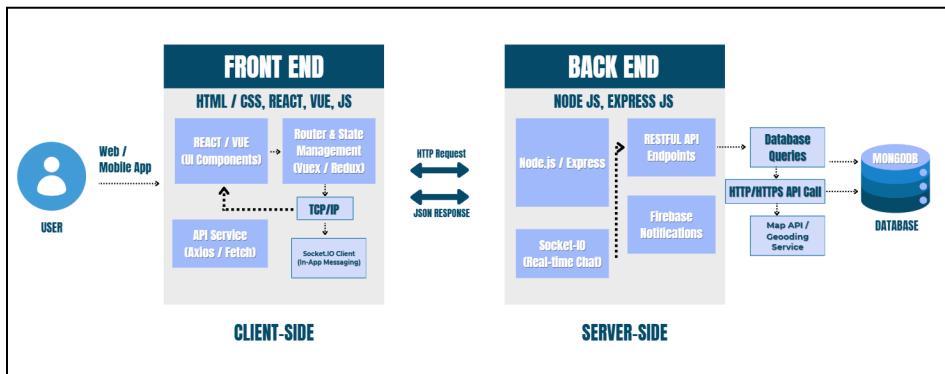


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The project utilized Agile Scrum as the main developmental framework and structured work into four week-long sprints with distinct phases. The Agile process kicked off with an ideation and technology stack decision-making project kick-off, defined what we were building, and built a product backlog that contained prioritized features and epics. Each sprint began with sprint planning sessions in which the team selected the backlog items they intended to build and moved them to the sprint backlog, together with sprint goals.

Throughout the sprint execution phase, we held daily stand-up meetings in order to review progress and to address action items, while development occurred simultaneously on the frontend, backend, and database layers. Sprint reviews involved reviewing completed features and collecting feedback on the features from stakeholders, and retrospective meetings were used to review process improvements for the next iterations. We performed continuous integration and testing throughout the sprints, and at the end of each sprint, we conducted a user acceptance testing session and made preparations for the final deployment of the software product.

Software Architecture



Fixify utilizes a three-layer architecture made of presentation, application, and data layers. The presentation layer uses Vue.js 3 components to render and interact with the end-user interface. The presentation layer interacts with the application layer through RESTful API calls. The application layer is built with Node.js and Express.js, and handles business logic, validating input data, managing authentication, and coordinating data to be

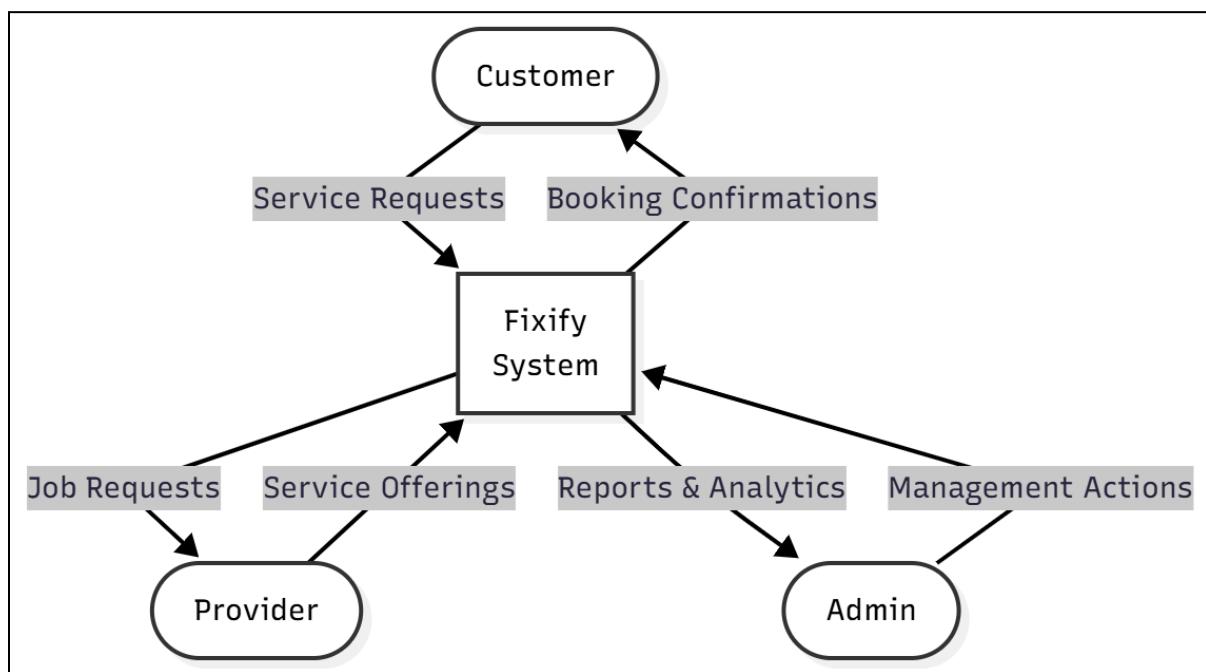
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made available to the user. The data layer consists of MongoDB Atlas, which stores structured documents for users, bookings, reviews, messages and notifications, with appropriate relationships and indexing.

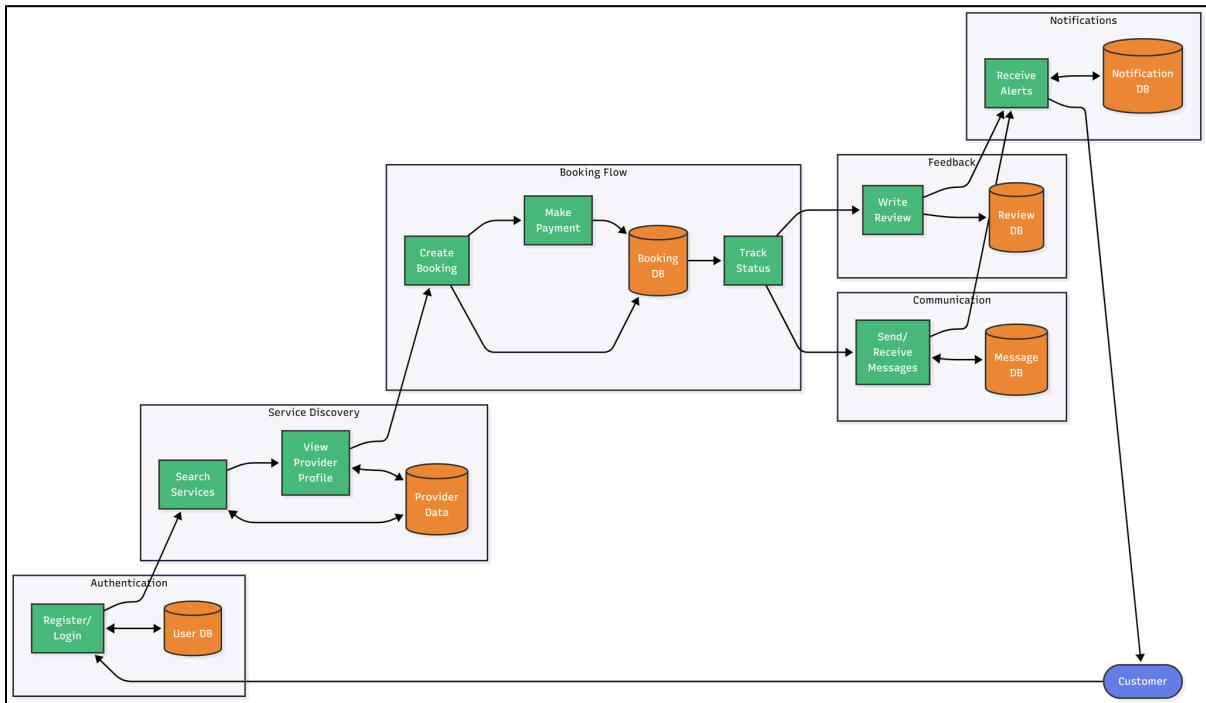
The architecture follows the Model-View-Controller (MVC) pattern where the views are Vue components, the controllers are Express route handlers, and the models are Mongoose schemas. This is beneficial to maintainability, scalability, and clearly defining responsibilities across the application stack.

Data Flow Diagram

Level 0



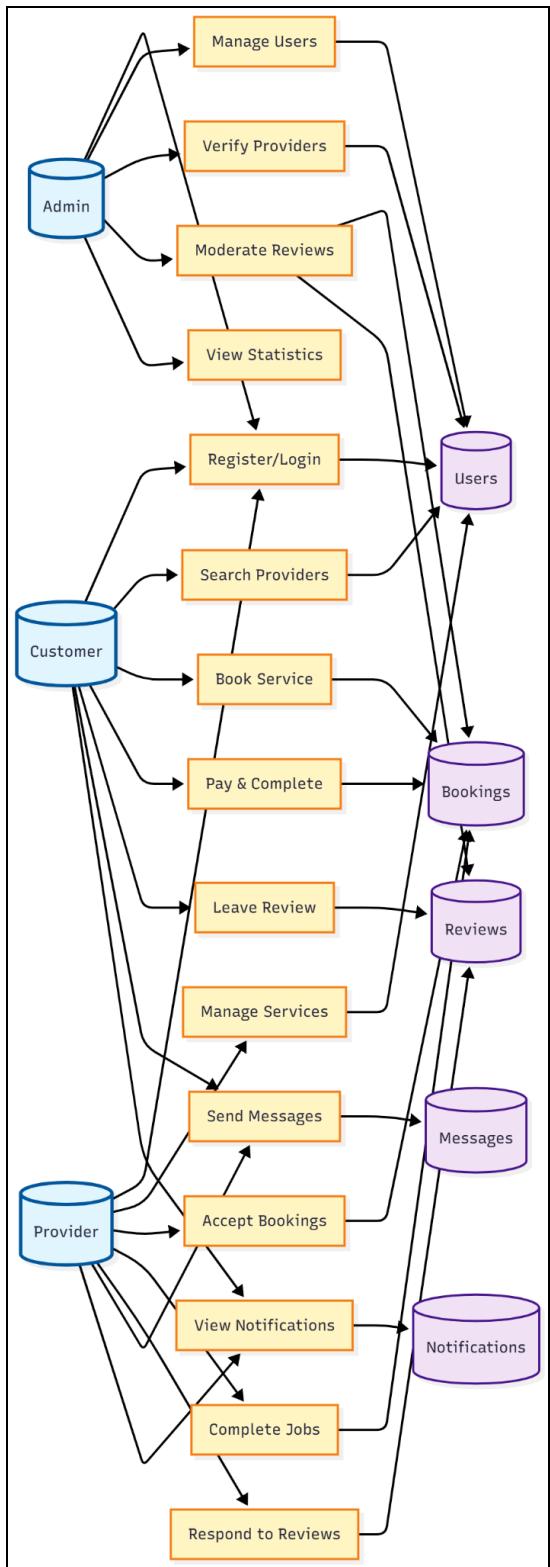
Level 01



The platform's data flow begins with user authentication where credentials are submitted from the Vue.js frontend to the Express.js backend, validated against the MongoDB database, and returned with JWT tokens for subsequent requests. For booking operations, customers submit service requests through the frontend interface, which sends booking data to the backend API where it undergoes validation, calculates platform fees, creates database records, and triggers notifications to both customer and provider.

Provider actions flow from the provider dashboard through authenticated API endpoints that update booking statuses, manage service offerings, and process customer communications. Administrative operations follow similar patterns with additional authorization checks ensuring only admin roles can access verification, moderation, and platform management functions. All data modifications propagate through the backend layer, maintaining consistency and enforcing business rules before persisting to the database.

Use Case Diagram



The system supports three primary actors:

Customers, Service Providers, and Administrators, each with distinct use cases. Customers can register and login, search and filter service providers, view provider profiles and reviews, create bookings with service specifications, make simulated payments, communicate with providers through messaging, submit reviews for completed services, and manage their profiles and booking history.

Service Providers can register with professional credentials, create and manage service listings, receive and respond to booking requests, update booking statuses, track earnings and completed jobs, communicate with customers, respond to reviews, and manage their professional profiles. Administrators can verify provider credentials, monitor all bookings and transactions, moderate user-generated reviews, manage user accounts and provider statuses, view platform analytics, and oversee system operations.

Conclusion

Result

The Fixify platform effectively provides a functioning service marketplace connecting customers with verified service providers in three specific categories - Plumbing, Electrical, and Cleaning in Angeles City, Pampanga. The implementation of the project fully achieved all major objectives; providing role-based authentication for customers, providers, and administrators with customized interfaces and appropriate access controls.

The core functionality of the system operates as intended: customers can browse providers, view profiles with ratings and reviews, create bookings with service details, and complete secure payments with escrow simulation. Service providers can manage incoming requests for bookings, track earnings, communicate with customers, and develop credibility with their verified status. Administrators manage the operations of the platform and users through detailed dashboards that provide user management, provider verification, booking monitoring, and review moderation.

Technical accomplishments include a RESTful API that successfully implements JWT authentication, a MongoDB database schema able to support complex relationships, responsive Vue.js user interfaces, and in-context notification systems providing real-time information. The escrow payment logic reflects proper transaction flows, holding on to funds until both parties confirm the service is complete. The implementation of modern web technologies reflects strong full-stack-development skills, with a clear and effective separation of concerns between frontend presentation and user experience, backend business logic, and database persistence.

Recommendations

1. Technical Enhancements

- Future versions must include a genuine payment gateway (e.g. PayMaya, PayPal or GCash) to conduct real transactions. If a websocket or Socket.IO, had been used, it would permit authentic real-time messaging instead of



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polling. Using Google Maps API with geocoding would invite a user to look-up by the specific location, distance calculations, and interactive map view.

2. Feature Expansions

- Adding service categories of HVAC, Carpentry, Painting, and Landscaping would increase availability to a wider customer base. Automating scheduling and calendar integration would enhance the booking process. Add an ability to upload a file in a service request, allowing customers to attach photos, and the provider will be more prepared and/or have more accurate quotes. Create email and SMS notifications, so the user is notified of updates even when they are not using the app.

3. Platform Scalability

- Set the project up on production hosting services (i.e. Vercel, Heroku, Railway) with appropriate security settings, rate limits, and error logging, all of which would prepare the application for real-world use. You could also build a native mobile applications, which would allow users more consistent access to the platform and enable push notifications. Integrating AI-powered provider recommendations and algorithms for dynamic pricing would enable marketplace efficiency and would improve personalization for users.

Reflection

Group Reflection

Working on Fixify was an incredible hands-on opportunity for our team for full-stack web development, applying our theoretical knowledge in practice. Working with Vue.js 3 with our pair increased our understanding of component-based architecture, state management, and routing, while backend development in Node.js and Express.js improved our understanding of RESTful API design, JWT authentication, and database design management utilizing MongoDB.

The Agile Scrum process came in handy for managing our timeline using iterative sprints that enabled us to delineate task assignments utilizing the strengths of each of us as developers and manage development progress through daily stand-ups. Collaboration discussions during sprint retrospectives aided us in improving our development work cycle. Integration of front-end and back-end systems provided the real-life experience of needing to communicate efficiently and develop API contracts.

Through collaborative development in Git, we increased our ability to manage responsibilities in version control and gain experience in real-life team dynamics. Since this was a team project, we learned how to resolve merge conflicts, run code reviews, and be effective in coordinating the development of features across developer pairs. Overall, the experience demonstrated that marketplace platforms cannot just be built by technical ability as it requires collaboration, planning, and re-adjustment once the project gets underway.

In conclusion, this project served in a blend between our academic course and a risk of application development, giving us the confidence for future projects as a team, and has prepared our team for future work experiences in a software development capacity, where teamwork and effective communication are crucial to the success of a project.

Individual Reflection



David, Ryna Mae F. – Frontend Developer

Working on Fixify's frontend development deepened my understanding of Vue.js component architecture and API integration. Connecting the Login and Sign Up pages to the backend API taught me proper form validation, error handling, and secure credential transmission. Implementing provider fetching functionality in the Service Categories page required careful state management and asynchronous data handling, strengthening my skills in working with Axios and managing loading states.

Improving the dashboard UI and layout challenged me to balance aesthetic design with functional requirements, ensuring intuitive navigation and clear information hierarchy. Updating the landing page design involved applying responsive CSS principles and optimizing user experience across different screen sizes. Testing the booking flow and identifying bugs reinforced the importance of thorough quality assurance and user-centric development.

Collaborating with team members on frontend integration highlighted the value of clear component communication and consistent coding standards. The experience enhanced my ability to translate design concepts into functional interfaces while maintaining code maintainability and reusability. This project strengthened my confidence in frontend development and prepared me for complex UI implementation in future applications.

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Adrian P. Sarmiento – Project Leader & Full-Stack Developer

Leading the Fixify project provided me with comprehensive experience in full-stack development and team coordination. Architecting the backend system with Node.js, Express.js, and MongoDB Atlas taught me the complexities of RESTful API design, JWT authentication implementation, and database schema optimization. Setting up MongoDB Atlas and establishing secure connections reinforced my understanding of cloud-based database management and deployment configurations.

Developing the Provider Dashboard required careful consideration of role-based access controls and dynamic data rendering, strengthening my skills in building user-specific interfaces with Vue.js. Managing frontend-backend integration presented challenges in ensuring consistent data flow, proper error handling, and state management through Vuex. Debugging routing issues and resolving null reference errors enhanced my problem-solving abilities and attention to detail in identifying root causes.

As project leader, coordinating tasks, managing the GitHub repository, and facilitating team communication taught me valuable lessons in version control workflows, branch management, and collaborative development practices. Balancing leadership responsibilities with technical implementation demonstrated the importance of clear communication, delegation, and supporting team members through challenges. This experience prepared me for future roles requiring both technical expertise and project management capabilities.

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Kurt Justine T. Sicat – Backend Developer & Technical Writer

Testing API endpoints with Postman provided hands-on experience in understanding RESTful architecture, HTTP methods, and request-response cycles. Creating a comprehensive Postman collection for team use taught me the importance of organized testing workflows and clear documentation for collaborative development. Systematically testing authentication, booking, review, and messaging endpoints enhanced my understanding of backend logic and data validation requirements.

Writing API documentation with detailed endpoint descriptions, request examples, and expected responses improved my technical writing skills and emphasized the value of comprehensive documentation in team environments. Helping format backend error messages reinforced the importance of clear, user-friendly error handling that aids debugging and improves user experience.

Preparing project progress reports required synthesizing technical information into accessible formats for stakeholder communication. Contributing to decision-making processes alongside technical implementation taught me to balance technical considerations with project goals and timeline constraints. This experience strengthened my ability to bridge technical and non-technical communication, preparing me for roles requiring both development support and documentation expertise. The collaborative nature of the project demonstrated the importance of clear communication and mutual support in successful team development.

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Martin Conrad S. Villanueva – UI/UX Designer

Designing Fixify's user interfaces in Figma provided valuable experience in creating comprehensive design systems and maintaining visual consistency across multiple user roles. Developing the Provider Dashboard design required understanding provider workflows, information architecture, and efficient task management interfaces. Creating responsive layouts and style guides taught me the importance of design documentation in facilitating smooth developer handoff and ensuring consistent implementation.

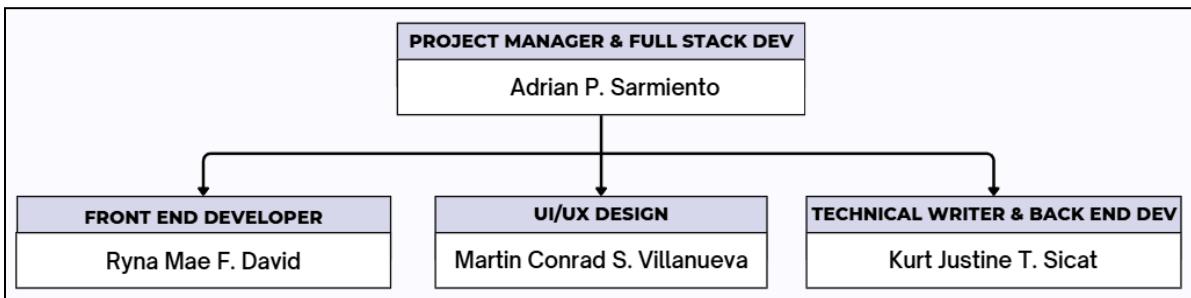
Working with CSS to refine button designs, color schemes, and spacing demonstrated the practical challenges of translating design mockups into functional code while maintaining cross-browser compatibility. Ensuring consistent visual language across all pages required attention to detail and systematic application of design tokens including typography, color palettes, and spacing systems.

Collaborating with frontend developers highlighted the importance of designer-developer communication and understanding technical constraints in UI implementation. Iterating on designs based on development feedback and user testing results taught me flexibility and the value of user-centered design principles. This experience strengthened my skills in both design tools and practical CSS implementation, preparing me for comprehensive UI/UX roles in future projects.

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Appendices

Organizational Chart



Adrian P. Sarmiento – Project Manager & Full-Stack Developer

Led project development and team coordination. Architected and implemented the complete backend system using Node.js, Express.js, and MongoDB Atlas. Developed the Provider Dashboard, managed frontend-backend integration, and oversaw GitHub repository and version control workflows.

Ryna Mae F. David – Frontend Developer

Assisted in implementing user authentication pages and integrating them with backend APIs. Supported service provider browsing functionality development, helped refine dashboard UI layouts, and conducted testing of booking workflows and user interactions.

Martin Conrad S. Villanueva – UI/UX Designer

Designed comprehensive interface mockups in Figma for all user roles. Created responsive layouts, established design systems with consistent color schemes and typography, and implemented CSS styling ensuring visual consistency across the platform.

Kurt Justine T. Sicat – Technical Writer & Backend Developer

Conducted systematic API endpoint testing using Postman and created organized testing collections. Authored comprehensive API documentation with endpoint specifications and request examples, and prepared project progress reports for stakeholder communication.



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Contribution Table

Team Member	Role	Key Contributions
Adrian P. Sarmiento	Project Manager & Full-Stack Developer	Backend architecture (Node.js, Express.js, MongoDB Atlas), Provider Dashboard, frontend-backend integration, GitHub repository management, team coordination
Ryna Mae F. David	Frontend Developer	Authentication pages, API integration, service provider browsing, dashboard UI refinement, booking workflow testing
Martin Conrad S. Villanueva	UI/UX Designer	Figma interface design, responsive layouts, design systems, CSS implementation, visual consistency
Kurt Justine T. Sicat	Technical Writer & Backend Developer	Backend development assistance, API testing (Postman), technical documentation, endpoint specifications, progress reports

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Gantt Chart



The Fixify development timeline spans four weeks from September 14 to October 12, 2025, organized into distinct phases aligned with Agile Scrum methodology. Week 1 focuses on foundational work including project planning, database schema design led by the Project Manager and Backend Developer, and development environment configuration. Week 2 concentrates on frontend implementation, with the Frontend Developer building authentication, landing, and service pages while collaborating with the UI/UX Designer on visual design and layout consistency. Week 3 shifts to backend development, where the Project Manager and Technical Writer implement core API functionality including authentication, provider management, booking systems, reviews, messaging, and notification infrastructure. Week 4 is dedicated to integration and testing, bringing together frontend and backend components through collaborative efforts across all team members. The Frontend Developer and Project Manager integrate APIs and user interfaces, while dashboard and admin panel implementations involve the full team to ensure comprehensive functionality. The final phase on October 11-12 focuses on documentation compilation, final testing, and project submission, led by the Technical Writer with contributions from all team members to ensure complete deliverable quality.



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UI/UX Design:

The image displays four screenshots of the Fixify application interface, showcasing its design and functionality.

- Homepage:** The main landing page features a purple header with the Fixify logo and navigation links (Home, Services, About, Dashboard, Messages, Logout). Below the header is a hero section titled "Find Trusted Local Service Providers" with a subtext about connecting with verified professionals for various household needs. It includes a "Go to Dashboard" button and a "Browse Services" button. A photograph shows two service providers working on a piece of furniture. The main content area is titled "Why Choose Fixify?" and lists six benefits: "Verified Providers" (background-checked and skills-verified), "Direct Communication" (in-app chat), "Secure Payments" (protected by SSL), "Transparent Reviews" (real customer reviews), "Location-Based" (nearby service providers), and "Easy Scheduling" (convenient booking). Below this is a section titled "Popular Services" with icons for Plumbing, Electrical, and Cleaning.
- Login Page:** A blue-themed login screen titled "Welcome Back". It asks users to log in to access their Fixify account. It includes fields for "Email Address" (with placeholder "Enter your email...") and "Password" (with placeholder "Enter your password..."). There are checkboxes for "Remember me" and "Forgot Password?", and a prominent "Log In" button. A link "Don't have an account? Sign up" is at the bottom.
- Create Account Page:** A blue-themed account creation screen titled "Create Your Account". It asks users to enter their details to start providing services. Fields include "Full Name" (placeholder "Enter your full name..."), "Email Address" (placeholder "Enter your email..."), "Phone Number" (placeholder "Enter your phone number..."), "Password" (placeholder "Create a password..."), and "Confirm Password" (placeholder "Confirm your password..."). It also includes a "Service Category" dropdown (placeholder "Select a category...") and a "Years of experience" dropdown (placeholder "Years of experience..."). A checkbox for "I agree to the Terms of Service and Privacy Policy" is present, along with a "Create Account" button. A "Log In" link is also provided.
- User Dashboard:** The dashboard for user Martin Cortis Conrad. It shows a welcome message "Welcome back, Martin Cortis Conrad!" and a question "Ready to book a service or manage your account?". It includes "Go to Dashboard" and "Browse Services" buttons. The dashboard is divided into sections: "Fixify" (tagline "Connecting you with trusted local service providers"), "Quick Links" (Services, About Us, Contact), "For Providers" (Become a Provider Guidelines), and "Legal" (Terms of Service, Privacy Policy). At the bottom, a copyright notice states "© 2021 Fixify. All rights reserved."

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FX Fixify

Home Services About Dashboard Messages Logout

Find the Right Service

Browse by category to find verified local providers

Search for services... Search

 Plumbing
Pipes, leaks, installations, and repairs
4 providers

 Electrical
Wiring, fixtures, and electrical repairs
3 providers

 Cleaning
Home, office, and general cleaning services
3 providers

Fixify
Connecting you with trusted local service providers
About Us Contact

Quick Links
Services About Us Contact

For Providers
Become a Provider Guidelines

Legal
Terms of Service Privacy Policy

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FX Fixify

Home Services About Dashboard Messages Logout

[Back to Categories](#)

Plumbing Services

4 providers found in your area

Sort by: Highest Rated

Filters

Service Area

Price Range Min Max

Minimum Rating Any rating

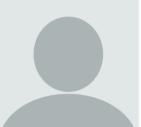
Verification Status Verified providers only

Apply Filters

 **Sandro Marcos**
plumbing
Im a plumber good afternoon kiko
Rate: ₱400/hr Experience: 3 years Area: Nepo Mall Area
[Contact](#) [Book Now](#)

 **Juan dela Cruz**
plumbing
Experienced plumber with 15 years experience
Rate: ₱100/hr Experience: 10 years Area: Angeles City
[Contact](#) [Book Now](#)

 **Juan Plumber**
plumbing
Im good at plumbing
Rate: ₱500/hr Experience: 10 years Area: Angeles City Center
[Contact](#) [Book Now](#)

 **Two dela Cruz**
plumbing
No description available
Rate: ₱500/hr Experience: 10 years Area: Angeles City Center
[Contact](#) [Book Now](#)

Fixify
Connecting you with trusted local service providers
About Us Contact

Quick Links
Services About Us Contact

For Providers
Become a Provider Guidelines

Legal
Terms of Service Privacy Policy

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FX Fixify

Home Services About Dashboard Messages Logout

About Fixify

Connecting communities with trusted service providers

Our Mission

Fixify was created to solve a common problem; finding reliable, trustworthy service providers for household or office needs. We believe everyone deserves to have access to quality services without the stress of uncertainty, trust, or poor service.

Our platform bridges the gap between skilled service providers and customers who need their expertise. By implementing verification systems, secure payment options, and transparent reviews, we create a trusted marketplace that benefits both parties.



Our Core Values

 Trust & Safety An open door to a changing background, symbolizing security and reliability. Integrates new tools or workers into job descriptions.	 Transparency Open doors, honest reviews, and open communication ensure no hidden costs are ever imposed on providers.	 Fairness We promote fair compensation and procedures with fair policies, dispute resolution, and open communication.
 Convenience Fast, efficient, reliable, accessible, and secure payment management for simplicity.		

How Fixify Works

-  **Browse & Search**
Find service providers by category or location. Filter by ratings, availability, and availability.
-  **Review Profiles**
Check verified credentials, past reviews, pricing, and address details before making a decision.
-  **Book & Pay**
Schedule your service and pay securely. You're protected by legal liability until the task is completed.
-  **Confirm & Review**
Get the service to done, receive compensation, and leave a review for future reference.

Meet the Team

Fixify is developed by a dedicated team of students from Holy Angel University as part of the [BMO CoderDojo project](#).

 Adrian P. Samonte Project Leader & Full Stack Developer Leads project coordination and development tasks, including API design, UI/UX, and database management.	 Ryna Mae F. David Frontend & Backend Developer Specializes in full-stack development, including front-end styling and back-end systems.	 Martin Conrad S. Villanueva Frontend Developer & UX/UI Designer Designs user interfaces, uses wireframe tools, and performs user research and interface design.
 Kurt Jueline T. Sicat Technical Writer & Backend Developer Provides technical documentation and contributes to system architecture and performance tuning.		

Built With Modern Technology

Frontend:

- Vue.js
- HTML & CSS
- Responsive design

Backend:

- MongoDB
- Express.js
- Node.js

Fixify is built using the right technologies to ensure lasting website development, continuous delivery, and regular updates. Our technology stack prioritizes security, stability, and user experience.

Get In Touch

Have questions or feedback? We'd love to hear from you!

Email: info@fixify.ph

Address: View Registry

Institution: Holy Angel University

[Contact Us](#)

Fixify
Connecting you with trusted local service providers

Quick Links
[Services](#) [About Us](#) [Get Help](#)

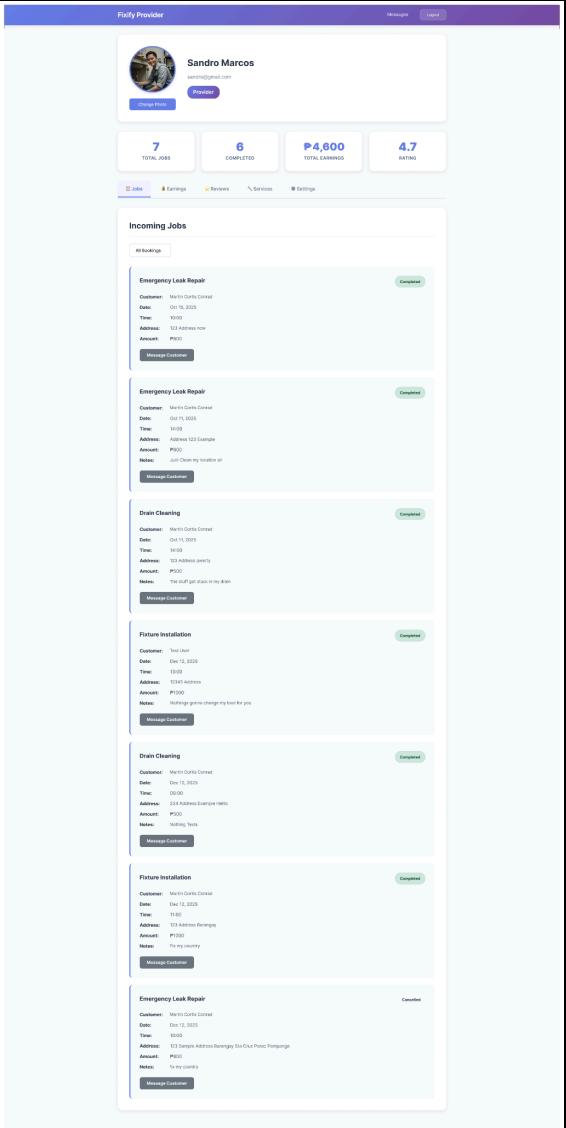
For Providers
[Become a Provider](#) [Guidelines](#)

Legal
[Terms of Service](#) [Privacy Policy](#)

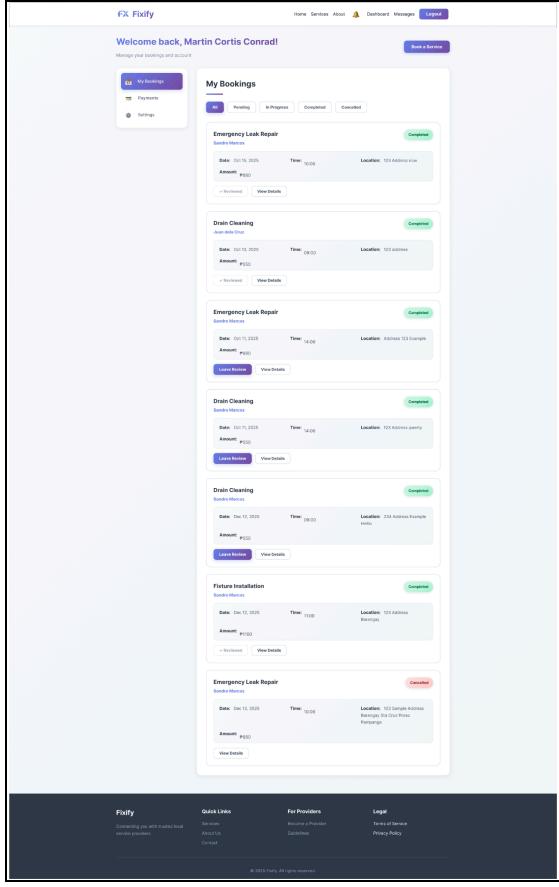
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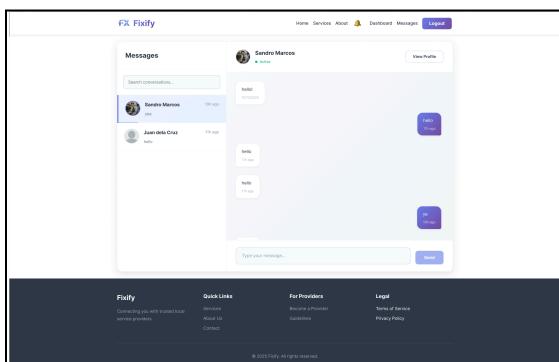
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The Fixly Provider dashboard shows a summary for provider Sandro Marcos. It includes a profile picture, name, email, and provider status. Key metrics displayed are 7 total jobs, 6 completed, a total earnings of ₱4,600, and a rating of 4.7. Below this, there's a section for 'Incoming Jobs' which lists five recent service requests: Emergency Leak Repair, Emergency Leak Repair, Drain Cleaning, Fixture Installation, and Drain Cleaning. Each job entry provides details like customer name, date, time, address, amount, and notes, along with a 'Message Customer' button.



The Fixly Bookings Overview page for user Martin Curtis Conradl shows a list of bookings. The first booking is for an 'Emergency Leak Repair' at 123 Address example on Oct 16, 2025, with a note to 'Clean my location'. Subsequent bookings include 'Drain Cleaning' on Oct 18, 2025; another 'Emergency Leak Repair' on Oct 17, 2025; 'Drain Cleaning' on Oct 19, 2025; 'Drain Cleaning' on Oct 20, 2025; and 'Fixture Installation' on Oct 21, 2025. Each booking entry includes a 'View Details' button and a green 'Completed' status indicator.



The Fixly Messages page shows a conversation between provider Sandro Marcos and customer Juan dela Cruz. They are both online, indicated by green status icons. The messages are as follows:

- Sandro Marcos: "Hello"
- Juan dela Cruz: "Hello"
- Sandro Marcos: "Hello"
- Juan dela Cruz: "Hello"
- Sandro Marcos: "How can I help you?"

A text input field at the bottom right says 'Type your message...' and a blue 'Send' button is visible. The footer of the page includes links for Fixly services, legal terms, and provider information.



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The screenshot shows the Fixify Admin interface with a dark sidebar and a light main content area. The sidebar on the left is titled 'Fixify Admin' and contains the following navigation items:

- Overview (selected)
- Users
- Providers
- Bookings
- Reviews
- Settings
- Logout

The main content area is titled 'Overview' and features four summary cards:

- Total Users: 17 (+12% this month)
- Active Providers: 10 (+8% this month)
- Total Bookings: 15 (+15% this month)
- Revenue: ₱1,050 (+23% this month)

Below these cards is a section titled 'Recent Activity' which lists ten recent events:

- New review posted by qwesd dagas (9h ago)
- Booking completed by Regular Cleaning by qwesd dagas (9h ago)
- New booking by Deep Cleaning by qwesd dagas (9h ago)
- New user registered by qwesd dagas joined as a provider (9h ago)
- New user registered by qwedasd qweds joined as a customer (9h ago)
- New review posted by 5-star review for Sandro Marcos (10h ago)
- Booking completed by Emergency Leak Repair by Sandro Marcos (11h ago)
- New review posted by 4-star review for Juan dela Cruz (11h ago)
- Booking completed by Drain Cleaning by Juan dela Cruz (11h ago)
- New review posted by 4-star review for Real Justine Nabunturan (14h ago)

Figma Link for the UI/UX Design

<https://www.figma.com/design/I1YL88vOWDrYQn0UHJeFwl/Untitled?node-id=0-1&t=d9fRbBs7y4zc8O7n-0>

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Wireframes

Fixify

Home Services About Dashboard Messages Logout

Why Choose Fixify?

- Verified Providers**
All service providers are background-checked and skills-verified for your safety
- Direct Communication**
Negotiate terms and discuss details directly with providers through in-app chat
- Secure Payments**
Payment held safely until job completion + protecting both parties
- Transparent Reviews**
Read honest reviews from real customers to make informed decisions
- Location-Based**
Find service providers in your area around Angeles City
- Easy Scheduling**
Book services at your convenience with calendar-based scheduling

Popular Services

- Plumbing**
Repairs, installations, maintenance
- Electrical**
Wiring, fixtures, troubleshooting
- Cleaning**
Home, office, deep cleaning

How Fixify Works

- Search & Browse**
Find service providers by category or location
- Review & Compare**
Check profiles, ratings, and reviews
- Book & Pay**
Schedule service and make secure payment
- Get Service**
Provide completes job, you confirm and review

Welcome back, Martin Cortis
Conrad!

Ready to book a service or manage your account?

Fixify

Home Services About Dashboard Messages

Welcome Back

Log in to access your Fixify account

Email Address

Password

Remember me Forgot Password?

Log In

Don't have an account? [Sign Up](#)

Create Your Account

Join Fixify and connect with trusted service providers

I need services I'm a service provider

Full Name
Enter your full name

Email Address
Enter your email

Phone Number
Enter your phone number

Password
Create a password

Confirm Password
Confirm your password

Service Category
Select a category

Years of Experience
Years of experience

I agree to the [Terms of Service](#) and [Privacy Policy](#)

Already have an account? [Log In](#)



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The wireframe shows the Fixify homepage with a dark header bar containing the Fixify logo and navigation links for Home, Services, About, Dashboard, and Messages. Below the header is a dark banner with the text "Find the Right Service" and a sub-instruction "Browse by category to find verified local providers". A search bar with the placeholder "Search for services..." is positioned above three service categories, each represented by a square icon with a large 'X' and a dark button below it.

- Plumbing**
Pipes, leaks, installations, and repairs
- Electrical**
Wiring, fixtures, and electrical repairs
- Cleaning**
Home, office, and general cleaning services

The wireframe shows the "Plumbing Services" page. It features a dark header bar with the Fixify logo and navigation links. Below the header is a dark banner with the text "Plumbing Services". The main content area displays four service provider cards, each consisting of a square icon with a large 'X' and a detailed card. The first card has a rating of 4.7 (6) and a "Contact" button. The second card has a rating of 4.5 (2) and a "Contact" button. The third card has a rating of 0.0 (0) and a "Contact" button. The fourth card also has a rating of 0.0 (0) and a "Contact" button.

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The image displays three wireframe prototypes for a Fixify provider dashboard, arranged in a grid. The leftmost prototype shows the provider's profile and incoming job notifications. The middle prototype shows a list of bookings. The rightmost prototype shows a messaging interface.

Fixify Provider

Sandro Marcos
sandromarcos.com
Change Photo View Details

Incoming Jobs

All bookings

Emergency Leak Repair
Customer: Martin Cortis Conrad
Date: Oct 15, 2025
Time: 10:00
Address: 123 Address now
Amount: ₱800
Message Customer

Emergency Leak Repair
Customer: Martin Cortis Conrad
Date: Oct 11, 2025
Time: 10:00
Address: Address 023 Example
Amount: ₱800
Notes: Just clean my location sir
Message Customer

Drain Cleaning
Customer: Martin Cortis Conrad
Date: Oct 11, 2025
Time: 10:00
Address: 123 Address query
Amount: ₱500
Notes: The stuff got stuck in my drain
Message Customer

Fixture Installation
Customer: Test User
Date: Oct 15, 2025
Time: 13:00
Address: 123 Address Address
Amount: ₱1000
Notes: Nothing gonna change my love for you
Message Customer

Drain Cleaning
Customer: Martin Cortis Conrad
Date: Oct 15, 2025
Time: 09:00
Address: 123 Address Example Hello
Amount: ₱500
Notes: Nothing
Message Customer

Fixture Installation
Customer: Martin Cortis Conrad
Date: Oct 12, 2025
Time: 10:00
Address: 123 Address Bemper
Amount: ₱1000
Notes: By my country
Message Customer

Emergency Leak Repair
Customer: Martin Cortis Conrad
Date: Oct 15, 2025
Time: 10:00
Address: 123 Sample Address Basengay Itsa Oval House Pampanga
Amount: ₱800
Notes: By my country
Message Customer

FX Fixify

Welcome back, Martin Cortis Conrad!

Manage your bookings and requests

My Bookings

Pending In Progress Completed Cancelled

Messages

Sandro Marcos 10 ago Hello Hello

Jean dela Cruz 10 ago Hello Hello

View Profile

HOLY ANGEL UNIVERSITY

FX Fixify

Home Services About Dashboard Messages

About Fixify

Our Mission



Our Core Values

Trust & Safety
All users are made welcome. Encourages checks and skills verification. Payments are held in escrow until job completed.

Transparency
Clear pricing, honest reviews, and open communication ensure no hidden surprises for customers or providers.

Fairness
The system facilitates users and providers with fair policies, dispute resolution, and equal representation.

Convenience
Fast booking, reliable, efficient, and secure. All-in-one platform designed for simplicity.

How Fixify Works

Browse & Search
Find service providers by category, location, filter by services, filters for availability.

Review Profiles
Check out past experiences, past reviews, ratings, user service details, and more.

Book & Pay
Schedule your service and pay securely. Your payment is held until completion.

Confirm & Review
Once the service is done, confirm completion to release payment and receive a review.

Meet the Team

Adrian P. Sarmiento
Project Leader & Full Stack Developer
Lead project management and development. Specializes in full-stack development, database management.

Ryna Mae F. David
Frontend & Backend Developer
Works on full-stack development, frontend development, integrating the front-end with backend systems.

Marlin Conrad S. Villanueva
Frontend Developer & UI/UX Designer
Designs and develops user interface designs. Focus on user experience and responsive design.

Kurt Justine T. Sicat
Frontend Writer & Backend Developer
Previous front-end developer and currently focuses on full-stack development.

Built With Modern Technology

Frontend

- ✓ React.js
- ✓ HTML5 & CSS3
- ✓ Responsive Design

Backend

- ✓ Node.js
- ✓ Express.js
- ✓ MongoDB

Ideally built using the Agile Scrum methodology, ensuring iterative development, continuous integration, and regular updates. Our website prioritizes extreme scalability and user experience.

Get In Touch



HOLY ANGEL UNIVERSITY

The screenshot shows the Fixify Admin Overview dashboard. On the left is a dark sidebar with navigation links: Overview, Users, Providers, Bookings, Reviews, Settings, and Logout. The main area has a light gray header "Overview". Below it are four cards: "Total Users" (17, +12% this month), "Active Providers" (10, +8% this month), "Total Bookings" (15, +15% this month), and "Revenue" (₱1,050, +23% this month). The "Recent Activity" section lists ten events with icons, timestamps, and details:

- New review posted by qwesd dagas 9h ago
- Booking completed by Regular Cleaning by qwesd dagas 9h ago
- New booking by Deep Cleaning by qwesd dagas 9h ago
- New user registered by qwesd dagas joined as a provider 9h ago
- New user registered by qwedasd qweds joined as a customer 9h ago
- New review posted by 5-star review for Sandro Marcos 10h ago
- Booking completed by Emergency Leak Repair by Sandro Marcos 11h ago
- New review posted by 4-star review for Juan dela Cruz 11h ago
- Booking completed by Drain Cleaning by Juan dela Cruz 11h ago
- New review posted by 4-star review for Real Justine Nabunturan 14h ago

Figma Link for the Wireframe Design

<https://www.figma.com/design/I1YL88vOWDrYQn0UHJeFwl/Untitled?node-id=0-1&t=d9fRbBs7y4zc8O7n-0>



HOLY ANGEL UNIVERSITY

Individual resumes/CVs of all members



DAVID RYNA MAE

Angeles City, Pampanga

EXPERIENCE

Student Assistant - High School Library - Holy Angel University

June 2023 - September 2025

Assists students and teachers by managing book loans, resolving technical issues, and maintaining organized library resources.

College Student Council - School of Computing, Holy Angel University - Internal Affairs Staff

June 2023 - May 2024

Ensures secure management of organizational data while maintaining the accuracy and quality of evaluation results.

CODE GEEKS, Holy Angel University - Human Resources Officer

May 2024 - May 2026

Ensures secure management of organizational data while maintaining the accuracy and quality of evaluation results.

College Student Council - School of Computing, Holy Angel University - Logistics Staff

June 2024 - May 2025

Ensures all event requirements are complete, venues reserved, and council materials properly managed and available.

CODE GEEKS, Holy Angel University - COMELEC Deputy

February 2025 - Present

Ensures fair elections by validating votes and upholding integrity throughout the electoral process within the university and organization.

CODE GEEKS, Holy Angel University - Logistic Officer

June 2025 - Present

Ensures venues and equipment are ready for use and all documents receive proper authorization.

PROJECTS

Furnish Haven

FurnishHaven is an online store for stylish, affordable furniture with a secure and seamless shopping experience.

Fixify - Service Website

A platform that connects users with trusted local service providers for various household services, ensuring convenient booking and reliable assistance.

HOLY ANGEL UNIVERSITY



SARMIENTO ADRIAN

Angeles City, Pampanga

ABOUT ME

An Information Technology student specializing in Web Development, passionate about creating responsive, user-centered, and high-performance web applications. Proficient in both front-end and back-end development, with a strong commitment to clean design, seamless functionality, and continuous learning to enhance technical expertise.

AWARDS

Holy Angel University

Bachelor of Science in Information Technology, Major in Web Development

1st Year (Academic Year 2023 - 2024)

- First Semester: Dean's List
- Second Semester: President's List

2nd Year (Academic Year 2024 - 2025)

- First Semester: Dean's List
- Second Semester: Dean's List

SKILLS

Programming Languages:

JavaScript, PHP, Python, Java

Frameworks & Technologies:

Node.js, Express.js, React, MySQL, MongoDB, Figma, Tailwind, CSS

Web Development:

Full-stack development, RESTful API design, Advance Database management, Responsive web design

Tools & Platforms:

VS Code, Postman, GitHub, MongoDB Atlas

Core Competencies:

Communication, Collaboration, Adaptability, Leadership, Creativity

EXPERIENCE

School of Computing, Holy Angel University – Staff

Supported the organization and management of internal activities and operations, promoting efficient staff coordination and the successful implementation of office initiatives.

Student Assistant – Holy Angel University, High School Library

Worked as a student assistant in the High School Library, providing support in daily operations and administrative tasks. Assisted in organizing library materials, maintaining records, and helping students and faculty with their resource needs. Contributed to the smooth functioning of the library by ensuring an orderly environment and efficient service delivery.

Code Geeks, School of Computing – Logistics Staff

Ensured all event requirements were prepared, venues were reserved, and council materials were organized and available for use.

Certifications

- Back End Development and APIs – freeCodeCamp, Issued Sept 2025
- Legacy JavaScript Algorithms and Data Structures – freeCodeCamp, Issued Sept 2025
- JavaScript Essentials 1 – Cisco Networking Academy, Issued Oct 2024
- Responsive Web Design – freeCodeCamp, Issued Sept 2024
- CompTIA IT Fundamentals (ITF+) Certification – CompTIA, Issued Nov 2023

PROJECTS

FURNISH HAVEN

FurnishHaven is an online store for stylish and affordable home furniture. It's easy to use, secure, and lets customers browse, view, and order furniture quickly and smoothly.

Fixify – Service Website

A platform that connects users with trusted local service providers for various household services, ensuring convenient booking and reliable assistance.



HOLY ANGEL UNIVERSITY



SICAT KURT JUSTINE

City of San Fernando, Pampanga

ABOUT ME

An IT student majoring in Web Development, dedicated to building responsive and efficient web applications. Skilled in front-end and back-end development, with a strong focus on usability, performance, and continuous improvement.

AWARDS

Holy Angel University

Bachelor of Science in Information Technology, Major in Web Development

1st Year (Academic Year 2023 - 2024)

- First Semester: Dean's List
- Second Semester: President's List

2nd Year (Academic Year 2024 - 2025)

- First Semester: Dean's List
- Second Semester: President's List

SKILLS

Programming Languages:

JavaScript, PHP, Python, Java

Frameworks & Technologies:

Node.js, Express.js, React, MySQL, MongoDB, Figma

Web Development:

Full-stack development, RESTful API design, Database management, Responsive web design

Tools & Platforms:

VS Code, Postman, GitHub, MongoDB Atlas

Core Competencies:

Analytical thinking, Team collaboration, Adaptability, Task prioritization, Time management

EXPERIENCE

LOOP, Holy Angel University – Events Staff

MAY 2024 – MARCH 2025

Assisted in planning, coordinating, and executing campus events to ensure smooth operations and participant engagement.

LOOP, Holy Angel University – Creatives Staff

MAY 2024 – MARCH 2025

Designed creative materials such as lanyards, promotional pubmats, and event graphics for university activities.

School of Computing, Holy Angel University – Community Extension Committee Staff

NOVEMBER 2025 – MARCH 2025

Supported departmental events organized by the School of Computing through event preparation, logistics, and technical coordination.

Code Geeks, Holy Angel University – Graphic Designer

JUNE 2025 – PRESENT

Created promotional visuals and pubmats to enhance event visibility and strengthen organizational branding.

North and Central Luzon Esports – Creatives Officer

SEPTEMBER 2024 – PRESENT

Developed visual content and marketing materials for regional esports events, providing on-site creative and logistical support during competitions.

PROJECTS

GrabMeYaya – Service Website

A web-based platform designed to connect parents with qualified nannies in Angeles City. It allows users to register, post or apply for jobs, and manage profiles through a CRUD-based database system.

Fixify – Service Website

A platform that connects users with trusted local service providers for various household services, ensuring convenient booking and reliable assistance.



HOLY ANGEL UNIVERSITY



VILLANUEVA MARTIN CONRAD

Angeles City, Pampanga

ABOUT ME

An IT student specializing in Web Development, focused on designing and developing responsive, high-performance web applications. Experienced in front-end and back-end technologies, emphasizing usability, scalability, and ongoing optimization.

Certifications

- Back End Development and APIs – freeCodeCamp, Issued Sept 2025
- Legacy JavaScript Algorithms and Data Structures – freeCodeCamp, Issued Sept 2025
- JavaScript Essentials 1 – Cisco Networking Academy, Issued Oct 2024
- Responsive Web Design – freeCodeCamp, Issued Sept 2024

SKILLS

Programming Languages:

JavaScript, PHP, Python, Java

Frameworks & Technologies:

Node.js, Express.js, React, MySQL, MongoDB, Figma

Web Development:

Full-stack development, RESTful API design, Database management, Responsive web design

Tools & Platforms:

VS Code, Postman, GitHub, MongoDB Atlas

Core Competencies:

Adaptability, Communication, Teamwork, Problem-Solving, Time Management, Creativity, Reliability

EXPERIENCE

School of Computing, Holy Angel University – Internal Staff

NOVEMBER 2023 – MARCH 2024

Assisted in organizing and managing internal activities and operations, ensuring effective coordination among staff and smooth execution of office initiatives.

Code Geeks, Holy Angel University – Internal Staff

MAY 2025 – Present

Provided support in coordinating and overseeing internal operations and activities to ensure smooth workflow and effective collaboration among staff. Assisted in planning and executing office initiatives, maintaining an organized and efficient environment that contributed to achieving organizational goals.

School of Computing, Holy Angel University – Internal Staff

JUNE 2024 – MARCH 2025

Contributed to the organization and management of internal events and daily operations, ensuring effective communication and coordination among staff. Actively participated in planning and implementing office programs and activities that promoted teamwork, engagement, and smooth execution. Provided administrative support to ensure event goals, timelines, and deliverables were successfully achieved.

PROJECTS

StudioSpot – Service Website

A studio rental website lets users browse, book, and manage studios for photography, music, or work. It provides listings with photos, prices, and availability, allowing easy booking, payment, and communication between renters and owners.

Fixify – Service Website

A platform that connects users with trusted local service providers for various household services, ensuring convenient booking and reliable assistance.