

SPRINT 1

Web Technologies - QuickFix

Team: StackSquad

MAJOR PAGES

- a. Home/Landing Page: Features service categories, search functionality, and platform overview. (Implemented)
- b. Browse Services Page: Displays service providers with filtering by category, location, rating, and price. (Implemented)
- c. Service Provider Dashboard: Management interface for providers to handle bookings, profile, and services. (Implemented)
- d. Customer Dashboard: Customer interface for managing bookings, reviews, and favorite providers. (Implemented)
- e. Login/Registration: User authentication with role-based access (customer/provider). (Implemented)
- f. Booking System: Interface for scheduling services with date/time selection. (Partially Implemented)
- g. Profile Management: User profile editing and preference settings. (Partially Implemented)
- h. Payment Processing: Secure payment integration for service transactions. (Not Implemented)
- i. Messaging System: Direct communication between customers and providers. (Not Implemented)
- j. Review & Rating System: Customer feedback and rating interface. (Partially Implemented)
- k. Admin Dashboard: Platform management and user moderation. (Not Implemented)

MAJOR TABLES TO BE CONSIDERED:

Core tables envisioned and implemented to support pages include:

1. users: User accounts with role-based access (customer/provider)
2. providers: Service provider profiles with business information and specialties
3. services: Service offerings with pricing, description, and availability
4. bookings: Appointment records with status, dates, and service details
5. reviews: Customer ratings and feedback for completed services
6. categories: Service categories and subcategories
7. payments: Transaction records and payment status
8. messages: Communication history between users
9. favorites: Customer saved provider preferences

IMPLEMENTED PAGES

Significant progress has been made in Sprint 1. The following pages/functionality have been implemented:

Core Platform Functionality:

- Home/Landing Page: Complete with service categories, search functionality, and platform value proposition
- Browse Services Page: Full provider listings with advanced filtering (category, location, rating, price)
- Service Provider Dashboard: Complete management interface with booking overview, profile management, and service controls
- Customer Dashboard: Comprehensive booking management, activity tracking, and favorite providers
- Authentication System: Full login/registration with customer and provider role selection

User Experience Features:

- Responsive Design: Mobile-first approach working across all device sizes
- Interactive Filtering: Real-time provider filtering with smooth animations
- Booking Modals: Interactive service booking interface with form validation
- Dynamic Forms: Registration forms that adapt based on user type selection
- Rating System: Star-based rating display and review interface

FRONTEND LIBRARIES AND CHOICES

The team chose a modern, lightweight stack with the following technologies:

Technology Stack:

- **Frontend:** HTML5, CSS3, and Vanilla JavaScript
- **Backend:** PHP with MySQL for data handling
- **Styling:** Custom CSS using Flexbox/Grid (no external frameworks)
- **Icons:** Font Awesome 6
- **No jQuery:** Modern JavaScript for better speed

Development Approach:

- Mobile-first and fully responsive design
- Core features work without JS, enhanced when enabled
- Modular PHP structure for reusable components
- Custom CSS system with consistent styling

FUNCTIONAL SLICE DEMO DESCRIPTION

The Sprint 1 functional slice demonstrates a working local service marketplace where users can:

1. Browse Service Providers - Search and filter through various service categories (plumbing, electrical, tutoring, etc.)
2. View Provider Profiles - See detailed provider information, ratings, specialties, and pricing

3. Book Services - Interactive booking interface with date/time selection and service details
4. Manage Accounts - Separate dashboards for customers and service providers
5. Authentication System - Role-based registration and login for customers and providers

The demo showcases the core value proposition: connecting local service providers with customers through a trusted, efficient platform that simplifies the process of finding, booking, and managing local services.

USER GUIDE FOR IMPLEMENTED FUNCTIONALITY

Getting Started:

1. Navigate to the home page to browse service categories or use the search functionality
2. Register as either a customer (to find services) or provider (to offer services)
3. Browse available service providers using filters to find the right match

For Customers:

1. Use the Browse Services page to filter providers by category, location, rating, and price
2. Click "Book Now" on any provider to open the booking modal
3. Fill in service details, preferred date/time, and address in the booking form
4. Access your Customer Dashboard to manage upcoming bookings and view history
5. Leave reviews for completed services using the star rating system

For Service Providers:

1. Access the Provider Dashboard to manage your business
2. View upcoming bookings, customer information, and service details
3. Add new services with pricing, descriptions, and categories
4. Manage your availability and working hours
5. Track your ratings and customer review

TEAM MEMBER CONTRIBUTIONS

Lidwan/Fynn/Yelsom

- Built a responsive homepage with search and service categories
- Designed browse page with filters and provider cards
- Created login/registration forms with user type options
- Developed customer and provider dashboards

Fynn/Derrick

- Set up PHP structure, sessions, and routing
- Added JS for filtering, modals, and form validation
- Planned MySQL schema and temporary data
- Handled form processing for login and registration

Yelsom/Lidwan/Derrick

- Built custom CSS framework and consistent styling
- Ensured mobile-first, responsive layouts
- Focused on easy navigation and user feedback

TESTING STRATEGY

Current Testing Approach:

- Manual testing of all user flows and interface elements
- Cross-browser checks (Chrome, Firefox, Safari, Edge)
- Mobile responsiveness testing

- Form input and validation checks
- Authentication and session flow testing

Quality Assurance:

- All buttons, links, and interactions tested
- Filters tested with different combinations
- Modals checked for correct open/close and submissions
- Navigation tested across pages
- Error handling tested with invalid inputs

Automated Testing Plan (Sprint 2):

- PHP unit tests for backend logic
- JavaScript unit tests for form validation and interactions
- Integration tests for full workflows
- Performance tests for page speed and filter loading

RETROSPECTIVE

What Went Well:

- Core features built faster than expected
- Strong team collaboration and reusable code
- Mobile-first design worked well across devices
- Good understanding gained from using vanilla JavaScript

What Didn't Go Well:

- JavaScript complexity was underestimated
- CSS duplication needed mid-sprint fixes
- Too much time spent on animations
- Some of us struggled with PHP

Next Sprint Changes:

- Set clear coding standards
- Start database integration earlier
- Increase code reviews and pair programming
- Add performance tracking
- Write clearer user stories with acceptance criteria

The team is confident that these improvements will enhance productivity and code quality in Sprint 2 while maintaining the strong foundation established in this first sprint.