

PROJECT DOCUMENTATION: DuBu Now

1. Project Overview

DuBu Now is an AI-powered, secure service marketplace platform connecting Customers with Verified Employees in real time.

It combines features of:

- Service booking
- AI-based matching
- Advanced safety systems
- Smart payments & analytics

2. Vision & Mission

Vision:

To become Sri Lanka's No.1 trusted service platform

Mission:

- Provide safe & fast services
- Empower skilled workers
- Build a fraud-free ecosystem

3. Core Objectives

- 100% verified users
- Fast booking system
- High safety for both sides
- Smart automation using AI

- Scalable business model

4. User Roles

Customer

- Register & verify
- Search & book services
- Pay & rate

Employee

- Register & verify
- Add skills
- Accept jobs
- Earn income

Admin

- Verify users
- Monitor system
- Control operations

5. Customer Identity & Safety System (Advanced)

5.1 Personal & Verification

- Full Name
- Phone number (OTP Verified)
- Email(OTP Verified)

- Gender & Age
- NIC (Unique)
- Live Selfie (Real-time capture only)

5.2 Location & Address

- Division / City / Area
- GPS Live Location
- Map Pin Confirmation

5.3 Payment Verification

- Bank/Card linking
- Verification check

5.4 Emergency System

- Emergency Contact
- SOS Button
- Live alert to admin

5.5 Fraud Prevention

- Device tracking
- Duplicate account detection
- Suspicious behavior monitoring

5.6 Customer Behavior Score

- Cancellation rate
- Complaints
- Payment reliability

6. Employee Advanced System

6.1 Identity Verification

- NIC + OTP
- Live selfie
- Document upload

6.2 Skill Verification System (UNIQUE)

- Certificate upload
- Admin approval
- Skill test

Output:

- Verified
- Expert
- Premium

6.3 Profile System

- Skills (Free + Paid)
- Experience
- Ratings

- Portfolio images

6.4 Earnings System

- Hourly rate
- Smart pricing
- Wallet
- Withdrawal

7. AI Smart Matching System

Automatically suggests best employee based on:

- Location
- Rating
- Availability
- Price
- Skill level

8. Service Booking System

8.1 Booking Flow

- Search service
- AI suggestion
- Select employee
- Choose time
- Confirm
- Payment

8.2 Booking Status

- Pending
- Accepted
- In Progress
- Completed
- Cancelled

8.3 Multi-Service Booking

- One booking - multiple services

9. Communication System

- In-app chat
- Voice call
- AI chatbot

10. Live Job Monitoring (UNIQUE)

- Job timer
- Progress updates
- Photo proof
- Live tracking

11. Rating & Review System

- Customer → Employee

- Employee → Customer
- Review comments/ Rating Star

12. Smart Payment System

Customer:

- Card / Bank

Employee:

- Wallet system
- Withdraw

Platform:

- Commission
- Subscription

13. Smart Pricing Engine

- Peak time pricing
- Demand-based pricing
- Offers & discounts

14. Notification System

- Push notifications
- Email
- SMS

15. Dashboard System

Customer:

- Booking history
- Payments

Employee:

- Earnings
- Jobs

Admin:

- Full analytics

16. Admin Control Panel

- User verification
- Fraud monitoring
- Complaint handling
- Reports

17. Smart Location System

- Zone-based allocation
- Nearby employee suggestion

18. Invoice & Billing System

- Auto invoice generation
- PDF download
- Email receipt

19. Insurance Integration (Advanced)

- Service damage coverage
- Safety insurance

20. Predictive AI System

- Demand prediction
- Employee recommendation
- Area analysis

21. Database Structure

- Users
- Employees
- Skills
- Bookings
- Payments
- Reviews
- Notifications
- Logs

22. Security System

- OTP authentication
- Data encryption
- Role-based access
- Secure payment gateway

23. Business Rules

- One NIC = One account
- Unverified users cannot book
- Fake accounts blocked
- Rating mandatory
- Cancellation penalty

24. Non-Functional Requirements

- Fast performance
- Mobile-friendly UI
- Scalable system
- High security

25. Future Enhancements

- AI voice booking
- Multi-language
- Subscription plans
- Offline mode

26. MVP (First Version)

- Login
- Profile
- Booking

- Payment
- Rating

27.Business Model

- Commission per job
- Skill registration fee
- Subscription plans
- Featured listings

28.Competitive Advantage

Full verification system

AI-based matching

Dual safety system

Smart pricing

Sri Lanka first advanced platform

END