

Wedding Vendor Discovery and Booking Platform

Project Abstract | K-1226

1. Introduction / Background

Planning a wedding means coordinating half a dozen vendors — photographer, venue, decorator, makeup, catering, planner — usually found through relatives' recommendations and negotiated over phone calls with no written quotes. Couples cannot compare prices, reviews are word-of-mouth, and nothing is recorded. This project builds a two-sided marketplace: verified vendor profiles with transparent package pricing, reviews from verified bookings, a tracked enquiry system, and a budget planner that splits the total wedding budget across categories.

2. Problem Statement

Wedding vendor discovery is opaque: no price transparency, no trustworthy reviews, and enquiries that vanish into chats. Couples need a platform where they can search vendors by category and budget, see real packages with prices, read verified reviews, and track every enquiry to booking. Vendors need a channel that brings structured, serious enquiries instead of casual messages.

3. Objectives

- Provide vendor discovery with search, category filters and budget-band filters.
- Show verified vendor profiles with package-wise transparent pricing and inclusions.
- Implement an enquiry system with visible statuses: sent, viewed, replied, booked.
- Compute review aggregates only from completed enquiry threads.
- Provide a budget planner splitting total budget across categories by standard ratios.

4. Proposed Methodology

The platform is developed as a full-stack web application with couple-facing discovery and vendor-facing enquiry management. Vendors are modelled with packages (price + inclusions); enquiries are state-machine records linking couples and vendors; reviews are constrained to completed enquiries at the schema level. Search combines keyword, category and budget filters. The methodology covers requirement analysis, two-sided schema design, implementation, testing of enquiry states and review constraints, and documentation.

5. System Architecture / Working

- Couple layer: search, vendor cards, profiles, enquiry form, shortlist dashboard, budget planner.
- Vendor layer: profile management, package management, enquiry inbox with reply threading.
- Enquiry engine: status state machine with timestamps per transition.
- Review engine: ratings aggregated only from verified completed enquiries.
- Backend: REST API with role-based access and search indexing.
- Database: vendors, packages, couples, enquiries, messages, reviews, budgets.

6. Hardware / Software Requirements

Item	Specification
Processor	Any modern dual-core processor (development)
RAM	4 GB minimum
Storage	500 MB for code, database and media
Operating system	Windows / Linux / macOS
Backend	Node.js with Express framework
Database	MySQL
Frontend	HTML5, CSS3, JavaScript (ES6)
Browser	Modern Chrome / Firefox / Edge / Safari

7. Expected Outcomes

- A working two-sided marketplace with discovery, profiles, packages and enquiries.
- A tracked enquiry workflow from first message to booking.
- A budget planner with category-wise spend visibility.
- Full documentation: schema, guides, report, PPT and viva Q&A.;

8. Applications

- Wedding planning in any city with a vendor ecosystem.
- Event management marketplaces (corporate events, birthdays).
- Photography and videography booking platforms.
- Any local-services marketplace needing verified reviews and tracked enquiries.

9. Limitations

- Payments happen outside the platform; no escrow or payment gateway is included.
- Vendor verification is a badge workflow; real document checks are operational.
- Reviews are seeded realistically; production needs anti-fake-review moderation.
- Availability is per-enquiry rather than a live shared calendar.

10. Future Scope

- Escrow payments with milestone-based release to vendors.
- Live availability calendars synced with vendor schedules.
- AI-based vendor recommendations from budget and style preferences.
- In-platform chat with template-based negotiation.
- Multi-city expansion with city-specific vendor onboarding.