



United International University

Department of CSE

Project Proposal Report

System Analysis & Design

Group 3 (Team AYOJOK)

AYOJOK

Short Description:

In this semester, we are going to develop a system called **AYOJOK** that offers complete wedding management services to clients all over the country. Our primary target audiences are engaged couples and event planners. Throughout this report, we will be discussing the features and the implementation details in brief. At the end, we will present a proposed Gantt Chart of our project schedules.

From a high-level view, our system will have the following features: clients will be able to book venues, hire vendors, manage guest lists, customize event themes, and track budgets — all from a single platform.

Motivation:

We believe that **AYOJOK** will be helpful to couples and event planners all over the world. The system will make wedding planning more organized and stress-free by allowing users to manage all aspects of their event from one platform. From booking venues and hiring vendors to managing guest lists and tracking budgets, AYOJOK will save valuable time and effort.

Couples can also take advantage of theme customization and integrated scheduling tools to ensure everything runs smoothly on their special day. We hope vendors and service providers will be cooperative, offering their best services through our platform. The built-in review and rating system will encourage professionalism and trust, creating a positive experience for everyone involved.

Our System will have mainly following n features:

1. Vendor Management
2. Customizable Packages
3. Online Booking & Payment
4. Digital Invitation & RSVPs
5. Event Timeline & Checklist
6. Guest Accommodation Management
7. Budget Tracker
8. Real-Time Communication
9. Gallery & Inspiration Board
10. Eco-Friendly Mode

Feature 1: Vendor Management

- A user will be able to search, compare, and select vendors for different event needs such as catering, photography, decoration, and entertainment.
- Vendors will have detailed profiles showcasing their services, pricing, and reviews from past clients.
- The system will allow users to communicate directly with vendors through the platform for negotiations and clarifications.
- Vendors can update their availability, offers, and service details in real time.

Feature 2: Customizable Packages

- Users can create personalized event packages by combining different services according to their needs and budget.
- The system will offer predefined packages as well as the flexibility to add or remove items.
- Price updates will be reflected instantly when a user customizes a package.
- Users can save multiple package drafts for comparison before finalizing.

Feature 3: Online Booking & Payment

- Users can design and send personalized digital invitations to guests.
- Guests can confirm their attendance (RSVP) through a single click.
- The system will track RSVPs in real time and provide guest lists to the event organizers.
- Users can send follow-up reminders and updates to guests.

Feature 4: Digital Invitation & RSVPs

- Users can design and send personalized digital invitations to guests.
- Guests can confirm their attendance (RSVP) through a single click.
- The system will track RSVPs in real time and provide guest lists to the event organizers.
- Users can send follow-up reminders and updates to guests.

Feature 5: Event Timeline & Checklist

- Users will be able to create a detailed timeline for the event day.
- The system will generate a checklist of essential tasks based on the event type.
- Tasks will have reminders and deadlines to ensure smooth execution.
- Users can track completed and pending activities in real time.

Feature 6: Guest Accommodation Management

- Users can manage guest accommodation arrangements directly from the platform.
- The system will suggest nearby hotels and lodging options with special event discounts.
- Accommodation details will be shared with guests automatically.
- Users can track check-ins and check-outs for smooth coordination.

Feature 7: Budget Tracker

- Users will be able to set an event budget and allocate funds to different categories.
- The system will track expenses in real time and compare them against the set budget.
- Alerts will be generated if spending exceeds the limit.
- Graphs and reports will provide a clear view of financial planning.

Feature 8: Real-Time Communication

- Users can chat with vendors, guests, and event team members instantly.
- Group and private messaging will be supported for better coordination.
- Notifications will ensure no important updates are missed.
- Communication history will be saved for reference.

Feature 9: Gallery & Inspiration Board

- Users can browse a gallery of event themes, decorations, and real wedding photos.
- An inspiration board will allow users to save and organize their favorite ideas.
- Vendors can showcase their past work in the gallery.
- Users can share boards with planners or friends for feedback.

Feature 10: Eco-Friendly Mode

- The system will suggest eco-friendly alternatives for various event needs.
- Digital documents, invitations, and menus will be encouraged to reduce paper waste.
- Vendors offering sustainable services will be highlighted.
- Users can track the environmental impact of their event choices.

Scope & Features:

The **scope** of this system is to provide a comprehensive event planning and management platform that simplifies the entire process—from vendor selection to post-event activities. It will cater to individuals, event planners, and organizations who want to plan weddings, corporate events, birthdays, and other special occasions efficiently.

The system will allow users to:

- Search, compare, and book vendors and venues.
- Customize service packages according to budget and preferences.
- Manage guest invitations, RSVPs, and accommodation.
- Track budgets, timelines, and checklists for smooth execution.
- Communicate in real time with vendors, guests, and team members.
- Store and share event inspirations and galleries.
- Opt for eco-friendly event solutions to minimize environmental impact.

By integrating all these features into one platform, the system eliminates the need for multiple tools and ensures seamless coordination, cost transparency, and time efficiency for event management.

Benchmark Analysis

All competitors have standard features like Vendor Management, Packages, and Gallery Boards.

Online booking & payment is missing on some websites — our site has it.

Digital invitations and RSVP tracking are not common — gives us an edge.

Real-time communication between client and planner is missing in all — we will add it.

Eco-Friendly Wedding Planner Mode is unique — none of the competitors offer it.

Tools:

We are planning to use the following technical features to implement the system:

- **Java**
- **PHP**
- **React.js**
- **Node.js**
- **Mongobd**
- **Figma**
- **Mysql**

- **PostgreSQL**