

Web-Based Hotel Wedding Reservation System - Requirement Gathering Report

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Module Code: SE2030

Module Name: Software Engineering Project

Calendar Year: 2025

Semester: 1

Group ID: G05

Project Topic: Web-Based Hotel Wedding Reservation System

Group Members: [Member 1], [Member 2], [Member 3], [Member 4], [Member 5], [Member 6]

1. Requirement Gathering Process

Our team used the **Project Discussion Bot** to gather requirements for our assigned topic: **Web-Based Hotel Wedding Reservation System**.

The bot simulated multiple **stakeholders** relevant to hotel and wedding event management. We interacted with the following personas:

1. Hotel Manager
2. Wedding Event Coordinator
3. Guest / Customer
4. Receptionist / Reservation Staff

We asked **meaningful, open-ended questions** to understand their problems, workflows, and required functionalities. The bot responses helped us identify the **users, roles, and functional requirements**.

Sample Screenshots:

(To be inserted after real interaction with the Project Discussion Bot) 1. Chat with Hotel Manager

2. Chat with Wedding Event Coordinator
 3. Chat with Guest / Customer
 4. Chat with Receptionist
 5. Follow-up on package selection
 6. Follow-up on payment and booking confirmation
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2. Identified Users and Their Roles

User / Stakeholder	Role in System
Hotel Manager	Oversees wedding reservations, availability of venues, and reporting.
Wedding Event Coordinator	Manages decoration, catering, and event schedule requests.
Receptionist / Reservation Staff	Handles booking requests, confirms availability, and generates invoices.
Guest / Customer	Searches venues, books wedding packages, and makes payments.

3. Core Functional Requirements

We identified at least **6 major functional requirements** for our hotel wedding reservation system. Each group member contributed to one core function.

Functional Requirement	Brief Description
1. Venue Search and Availability	Check availability of wedding halls and banquet rooms by date and capacity.
2. Online Booking and Reservation	Allow customers to book venues and confirm reservations online.
3. Wedding Package Selection	Offer customizable wedding packages including catering, decoration, and photography.
4. Payment and Invoice Management	Handle secure online payments and generate invoices for bookings.
5. Booking and Event Management for Staff	Allow staff to view upcoming weddings, assign responsibilities, and update status.
6. Reports and Analytics	Generate daily/weekly reports on bookings, payments, and venue utilization.

4. Description of Each Core Function

1. Venue Search and Availability

- Customers can check hall availability by date and expected guest count.
- Display room details including capacity, features, and photos.
- Highlight peak and off-peak rates for transparent selection.

2. Online Booking and Reservation

- Enable customers to reserve a venue online.
- Prevent double bookings with real-time availability checks.
- Send automatic email confirmations to customers and staff.

3. Wedding Package Selection

- Provide standard wedding packages and allow customization.
- Include add-ons like catering, decoration, photography, and music.
- Display package prices and estimated total cost.

4. Payment and Invoice Management

- Accept secure online payments via credit card or bank transfer.
- Generate printable and digital invoices for customers.
- Track pending and completed payments for hotel records.

5. Booking and Event Management for Staff

- Allow staff to track all upcoming weddings and assigned responsibilities.
- Notify staff about special requests from customers.
- Enable internal updates to confirm event readiness.

6. Reports and Analytics

- Provide daily, weekly, and monthly booking summaries.
- Track revenue from weddings and package usage trends.
- Help management in resource allocation and business analysis.

5. Summary

Our group successfully gathered initial requirements using the **Project Discussion Bot**. We identified the major users, roles, and six core functional requirements for the **Web-Based Hotel Wedding Reservation System**. These requirements will guide the design and development of the system in the next project phases.

Next Step: Replace this document's placeholder screenshots with the actual screenshots taken from the Project Discussion Bot interactions before submission.