WEDDING MANAGEMENT SYSTEM

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1. Description :

A Wedding Management System is a software solution designed to streamline the planning and coordination of wedding events. It helps manage various aspects such as venue booking, guest lists, vendor coordination, budgeting, and timelines. The system provides tools to track tasks, manage payments, and send reminders, ensuring smooth execution of the wedding without overlooking details. It can be customized to fit specific needs, making the planning process more efficient and organized for couples, planners, and vendors.

2. User requirement specification:

2.1 Purpose of the project:

The Wedding Management System aims to provide a streamlined platform for organizing and managing all aspects of wedding planning. It automates tasks, enhances communication between clients, vendors, and planners, and ensures efficient coordination of events. The system aims to reduce the complexity of wedding planning, minimize errors, and improve the overall experience for all users involved.

2.2 Scope of the project:

The Wedding Management System shall serve as an overall platform for managing, in general, a wedding arrangement. The system shall be a web-based application that will be accessible on multiple devices for flexibility and usability for all users. Key features to develop shall include the following
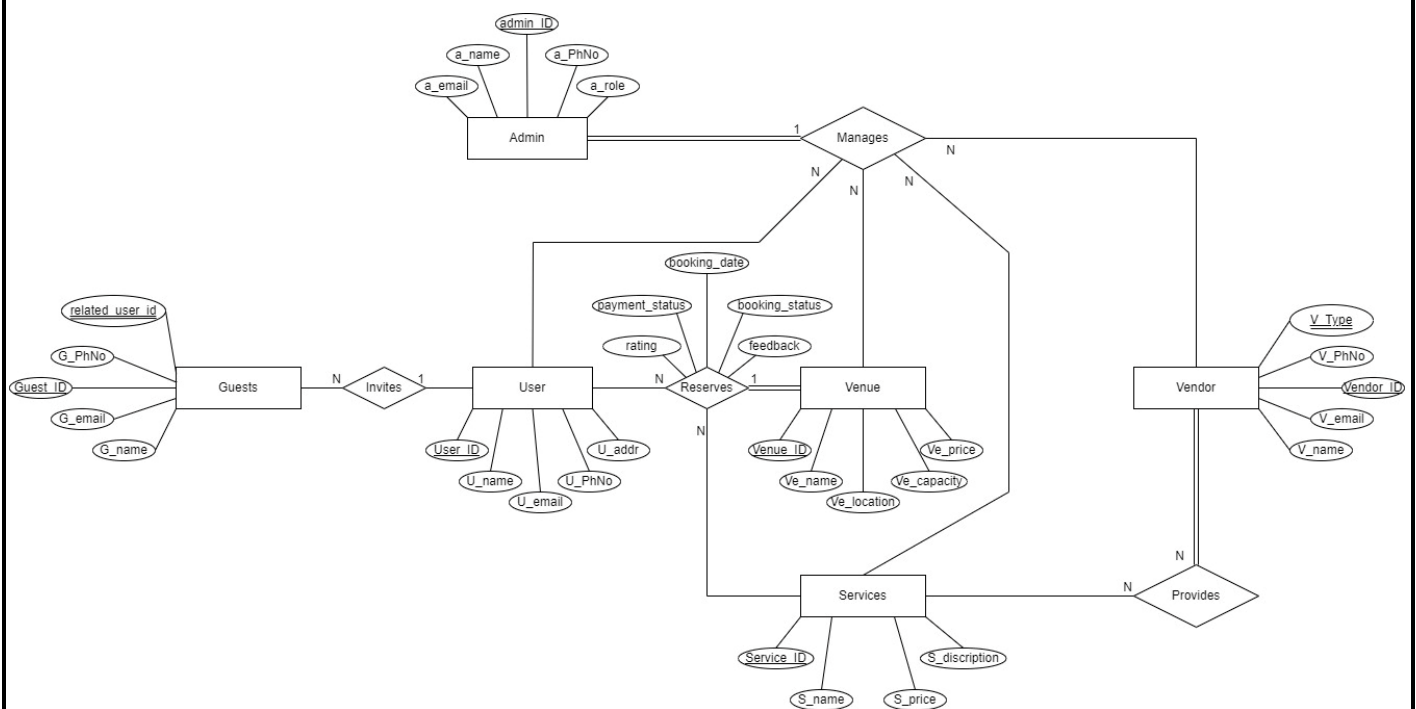
2.3 Detailed description:

The Wedding Management System (WMS) is a comprehensive web-based platform designed to simplify wedding planning by integrating users, guests, vendors, and services into a cohesive system. As depicted in the ER diagram, the system manages different entities such as Users, Admins, Guests, Venues, Vendors, and Services. The Admin entity oversees the management of the entire platform, including handling bookings and vendors. Each user is responsible for reserving venues and inviting guests to their wedding. The "Reserves" relationship tracks venue bookings, allowing users to provide feedback, rate services, and update their payment and booking status. Guests are linked to users via the "Invites" relationship, indicating their invitation status and details.

Vendors play a crucial role in the system by providing various wedding services such as catering, decoration, photography, and more. Each vendor can offer multiple services, as seen in the "Provides" relationship between Vendors and Services, which allows for a flexible and wide array of offerings. The system also supports feedback and ratings for services, helping other users make informed decisions. The WMS structure, as illustrated in the ER diagram, ensures an efficient and well-organized approach to wedding management by integrating all essential components under a single platform, allowing users to plan weddings seamlessly and collaborate with vendors in real time.

3. List of Softwares/Tools/Programming languages used:

- **Frontend:** HTML, CSS, JavaScript, React.js/Angular for UI.
- **Backend:** Node.js (Express) / Python (Django/Flask).
- **Database:** MySQL.

4. ER Diagram:

5. Relational Schema:

User

user_id	user_name	user_email	user_phone	user_address

Vendor

vendor_id	vendor_name	vendor_email	vendor_phone	vendor_type

Guest

guest_id	guest_name	guest_email	guest_phone	related_user_id

Admin

admin_id	admin_name	admin_email	admin_phone	admin_role

Venue

venue_id	venue_name	venue_location	venue_capacity	venue_price

Services

service_id	service_name	service_description	service_price

Reserves

booking_id	user_id	venue_id	booking_date	booking_status	payment_status	feedback	rating

Service_Booking

service_booking_id	user_id	service_id	vendor_id	service_date	service_price	payment_status	feedback