



# *Database Project*

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# CSE 3110

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## Matrimony System

Where two hearts find a home  
within each other's embrace

# Introduction

## Project Synopsis :

The aim of the Matrimony Database Project is to create a center point for storing profiles of people looking for marriage partners across the globe, this will help in linking them up through match-making guided by various considerations such as religion, tribe, occupation, residence area among others while promoting community integration.

## Scope of the Project:

**Profile management:** Users can create and maintain detailed profiles, specifying preferences and partner expectations.

**Advanced matching:** Use algorithms to match profiles based on criteria such as religion, race, occupation, location, and age.

## Importance of the project:

The Matrimony database Project is important because it makes finding life partners easier, bring people together on the basis of religion, caste and personal preferences among other criteria which may vary from person to person .It does this by creating cultural awareness,love and understanding for one another that lasts long enough to be called a relationship thus making happy with their ownlife in the end of it all.

## Project Objectives

1. In order to create an area where individuals may easily build and manage their life partner by searching profiles.
2. To match profiles using intelligent technology that takes into their account factors such as religion, occupation and location.
3. To continuously enhance the platform in response to user feedback with a view towards improving user experience.
4. In order to enhance efficiency and user-friendliness, a seamless system for managing user accounts and information should be created. This can be done by simplifying CRUD (Create, Read, Update, Delete) operations in the Matrimony Database Project.
5. To develop a system for storing user information such as name, email, location, age, phone number, occupation, religion, marital status etc .

## Database Design

This database project has six tables. The short description of these tables are given below:

### Person:

This table contains information on particular individuals. There are fields for your name, gender, age, phone number, and email address.

### Location:

This table contains details about the geographic location of each individual. It has fields for the person's identification (person\_id), country, and city. The person\_id field in the Person table is a foreign key that addresses the person\_id.

### Religion:

This table contains information about a person's religious affiliation. It has fields for the religion's name, the individual's identify (person\_id), and the distinct identification of the faith. The person\_id field in the Person table is a foreign key that addresses the person\_id.

### MaritalStatus:

This table contains information about each person's marital status. It contains fields for the user's name and identification.

### Occupation:

This table contains information about each person's occupation name.

### Matrimony:

This table serves as a junction table connecting individuals with various attributes such as location, religion, marital status, occupation. This table facilitates many-to-many relationships between individuals and their attributes.

## Table Creation

```
Create table Person (  
    person_id int,  
    name varchar(50),  
    age int,  
    gender varchar(10),  
    email varchar(50),  
    phone varchar(20),  
    primary key(person_id)  
);
```

```
Create table Location (  
    location_id int,  
    person_id int,  
    city varchar(50),  
    country varchar(50),  
    primary key(location_id),  
    foreign key(person_id) references Person(person_id)  
);
```

```
Create table Religion (  
    person_id int,  
    religion_id int,  
    religion_name varchar(50),  
    primary key(religion_id),  
    foreign key(person_id) references Person(person_id)  
);
```

```
Create table MaritalStatus (  
    status_id int,  
    person_id int,  
    status_name varchar(50),  
    primary key(status_id),  
    foreign key(person_id) references Person(person_id)  
);
```

```
Create table Occupation (  
    occupation_id int,
```



```
    person_id int,  
    occupation_name varchar(50),  
    primary key(occupation_id),  
    foreign key(person_id) references Person(person_id)  
);
```

```
Create table Matrimony(  
    matrimony_id int,  
    person_id int,  
    location_id int,  
    religion_id int,  
    status_id int,  
    occupation_id int,  
    primary key(matrimony_id),  
    foreign key(person_id) references Person(person_id),  
    foreign key(location_id) references Location(location_id),  
    foreign key(religion_id) references Religion(religion_id),  
    foreign key(status_id) references MaritalStatus(status_id),  
    foreign key(occupation_id) references  
Occupation(occupation_id));
```

## Entity-Relationship Diagram (E-R Diagram)

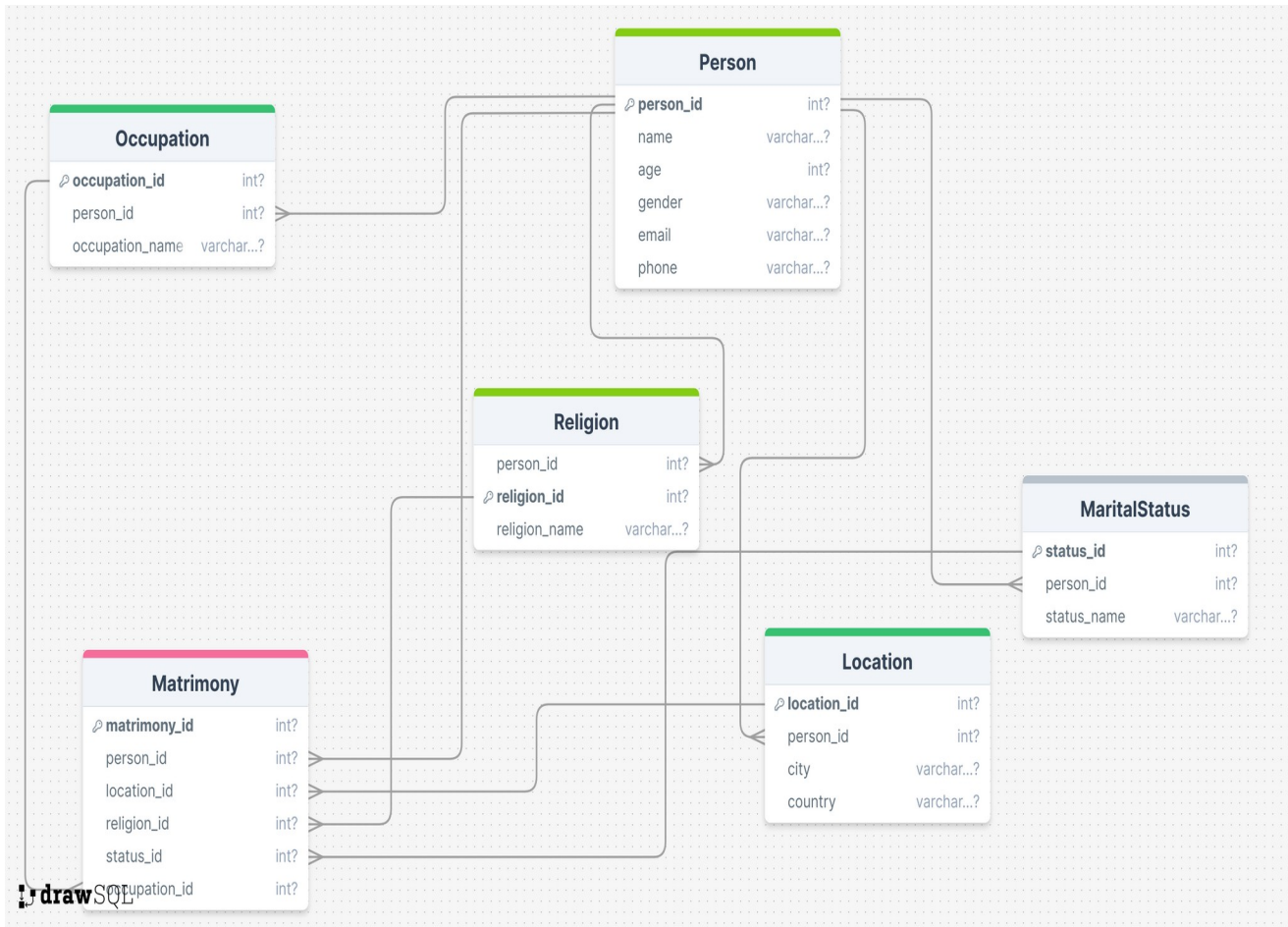


Figure: E-R diagram of Matrimony system Project

## Targeted Audience/Users

The target users of the matrimony database project can be divided into two main groups.

1. **Primary Users:** These are individuals looking for a spouse or



partner. They will use the system to create profiles, find matches based on their preferences, and communicate with potential partners. This group can be further subdivided based on population e.g.

- \* Age
- \* Location
- \* Religion
- \* Caste (in some places) .
- \* Occupation
- \* Lifestyle preferences

2. **Secondary Users:** These are individuals who play a role in the matching process but are not actively seeking partners themselves. This may include:

**Family members:** Parents or siblings who may participate in a survey to help create a profile on a person's behalf.

**Matcher:** Employees who use the system to match individuals based on their expertise.

**System Administrators:** People who maintain the database, edit user accounts, and ensure the proper functioning of the platform.

## Advantages & Disadvantages

### Advantages of this project :

1. This database project can provide a platform for individuals to connect with a larger amount of potential partners, increasing their

chance of finding a suitable match.

2. Users can quickly access through profiles and search based on required criteria. This feature can save a lot of time compared to traditional matchmaking methods.

### Disadvantages of this project:

1. Some users may provide wrong or misleading information on their profiles. This can lead to potential mismatches and disappointment.

2. Depending too heavily on this system can lead to reduced social interactions .

3.This system may be vulnerable to data breaches or unauthorized access,putting users' privacy at risk zone.

## Conclusion

To sum up, the matrimony database project provides a practical means for individuals to locate their life mates on the internet. By offering a platform where users can create profiles and communicate with possible matches based on their tastes, it expedites and simplifies the process of looking for love. Although technology saves time and increases access to possible partners,

users should be mindful of the dangers of lying and relying too much on it. Notwithstanding these obstacles, the project hopes to strengthen bonds between individuals and create deep connections that result in enduring partnerships. For individuals looking for love in the digital era, it offers a dependable alternative with its user-friendly layout and privacy features.

## The End