

# **Software Requirements Specification**

**for**

## **Online Matrimonial Portal**

**Version 1.0 approved**

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# 1 Introduction

## 1.1 Purpose

The project “Matrimonial Portal” is developed to find the match between bride and groom according to their preferences like age, religion or caste. The basic purpose of SRS is to describe the complete behaviour of the application proposed. The system easily understands and solves any problem if the SRS is produced. The special and the extra importance are given to identify what we required from the system, not how the system will work and achieve its goal. The final goal is to produce a stable and high-quality SRS.

## 1.2 Document Conventions

### 1.2.1 Alignment

The entire document is in justified alignment.

### 1.2.2 Convention for the Main Title

1.2.2.1 Font Face: Times New Roman

1.2.2.2 Font Style: Bold

1.2.2.3 Font Size: 24

### 1.2.3 Convention for the Sub Title

1.2.3.1 Font Face: Times New Roman

1.2.3.2 Font Style: Bold

1.2.3.3 Font Size: 18

### 1.2.4 Convention for the Body

1.2.4.1 Font Face: Times New Roman

1.2.4.2 Font Size: 12

### 1.2.5 Abbreviations

1.2.5.1 **SRS**: Software Requirements Specification

1.2.5.2 **OMP**: Online Matrimonial Portal

1.2.5.3 **DBMS**: Database Management System

1.2.5.4 **SQL**: Structured Query Language

1.2.5.5 **XML**: Extensible Markup Language

1.2.5.6 **DNS**: Domain Name Space

**1.2.5.7 WAN:** Wide Area Network

**1.2.5.8 LAN:** Local Area Network

## 1.3 Scope

Our application provides matrimonial services to all people. This application provides a matrimonial section where people can register him or her profile and easily find a life partner and also can see news, events and also connect to different people to the latest information and news, and also chat with them.

## 1.4 References

- 1.4.1 B. Loganathan, “Indian Matrimonial portals: An Assay,” SN Corporate and Management Consultant Pvt.Ltd, Chennai, 2014.
- 1.4.2 Ramanathan, “Market Size Estimation for Online Matrimony Market-KPMG Report,” 2014.
- 1.4.3 D. A. Kumari, “Customer Perception and Attitudes Towards Matrimonial Sites In Chennai, Tamil Nadu,” 2013.
- 1.4.4 F. M. Titzmann, “Changing Patterns of Matchmaking: The Indian Online Matrimonial Market,” Asian J. Women’s Stud., vol. 19, no. 4, pp. 64–94, 2013

# 2 History

## 2.1 Technical Literature

In Indian culture, the old concept of arranged marriage has great respect. Parents have the responsibility to find perfect partners for their children with the help of relatives, the marriage bureau, friends, and other intermediaries. But, things get changed today. Nowadays, marriageable people want to know the person they’re going to marry and connect with them to have a better understanding before committing forever. That is why Matrimonial Sites in India, are getting everyone’s attention. Marriage decisions are highly important even more than business deals. The future of two people and their families depends only on the decision of whom you’re going to marry.

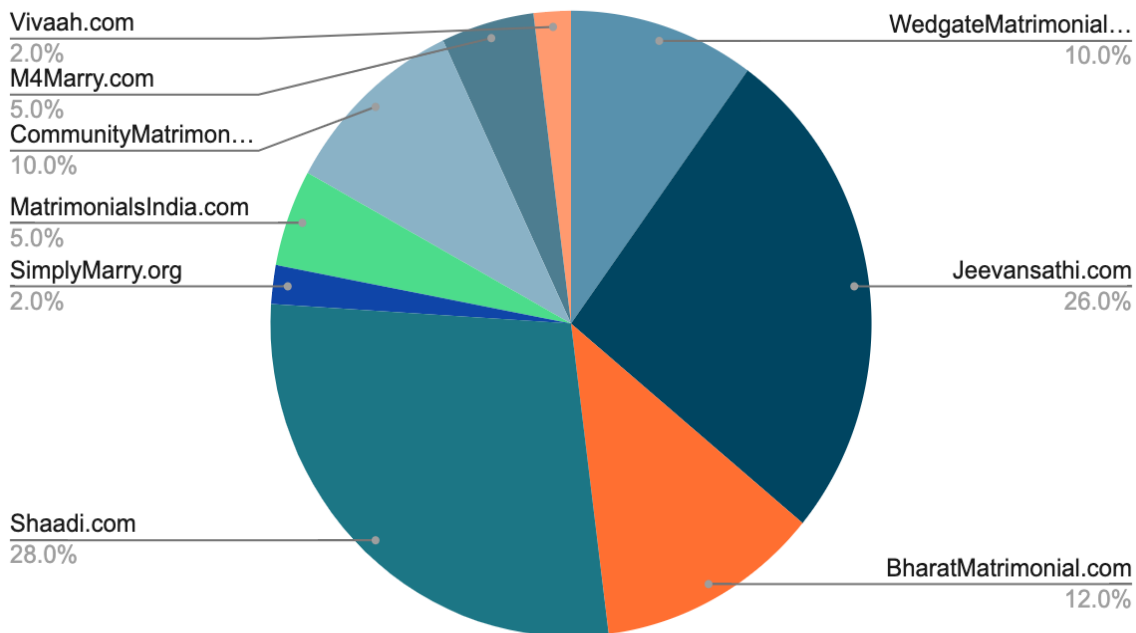
## 2.2 Existing Applications

There are many existing applications in our Market which have made matrimonial service ensuring he or she is compatible with you and your family needs.

1. WedgateMatrimonial.com
2. Jeevansathi.com
3. BharatMatrimonial.com
4. Shaadi.com
5. SimplyMarry.org
6. MatrimonialsIndia.com
7. CommunityMatrimony.com
8. M4Marry.com
9. Vivaah.com

## 2.3 Customer Surveys

### Page Per Visitor



## 2.4 Expert Advice

The application is the best and most affordable way to match pairs as per there interest. The application support News posting facility and private message setting with a consirable amount of security.

## 2.5 Current/Future requirements

- 2.5.1 Bias-free system and process
- 2.5.2 It gives bride or groom an accurate insight of the profile details as per there required parameters.
- 2.5.3 Error free matchmaking management system.
- 2.5.4 Faster and vast matching processing

# 3 Overall Description

## 3.1 Product Functions

### 3.1.1 Hardware Requirement

- A device (Computer/ laptop/ android/ ios) with at least 2 GB RAM
- Hard disk space required - 250 MB
- Minimum snapdragon 600 series/ i3 8th gen/ apple a11 bionic

### 3.1.2 Software Requirement

- A database like DBMS (MySQL) to store the details
- A web browser like Chrome, Mozilla, Firefox, etc.
- Operating System - At least Windows 7 64 bit, Mac 10.11, android oreo (8) and ios 11

## 3.2 Functional Requirements

### 3.2.1 Registration:

**Description:** There are two kinds of users namely bride and groom. Existing members would log in and new ones will sign up.

#### 3.2.1.1 Creating New Account (Sign Up):

- **Input:** The user needs to give the following inputs:
  - Login Name
  - Password
  - Confirm Password
  - First Name
  - Middle Name
  - Last Name
  - Email
  - Phone Number
  - Date of Birth
  - Address (City, State Zip, Country)
  - Marital Status
- **Output:** A new account is created and receives a confirmation mail.

#### 3.2.1.2 Log In:

- **Input:** The existing user must input the following:
  - Login Name/ Email ID/ Mobile Number
  - Password
- **Output:** The home page appears.

#### 3.2.1.3 Forgot Password:

- **Input:** Registered Email ID or Mobile Number.
- **Output:** Reset password and verify the message in Email or mobile.

### 3.2.2 Users:

#### 3.2.2.1 Search People

- **Input:** Users may search profiles on the following parameters:
  - Education



- Occupation
  - Marital Status
  - Profile Name
  - Caste
- **Output:** The list of required profiles appears. If the no such profiles exists, then print ‘No such profile exists.’

#### 3.2.2.2 View Profile

- Input: Click on the profile the user want to view.
- Output: The profile screen appears with following details:
  - Name
  - Age
  - Education
  - State
  - City
  - Country
  - Occupation
  - Height
  - Weight
  - Drinking and Smoking Habit
  - Hobbies
  - Salary
  - Caste

#### 3.2.2.3 Update Profile

- **Input:** The users have an access to update or add the following parameters:
  - Name
  - State
  - City
  - Country
  - Mobile Number
  - Images
  - Occupation

- Password
  - Height
  - Weight
  - Education
  - Zodiac
  - Drinking Habit
  - Smoking Habit
  - Salary
  - Hobbies
- **Output:** The updated profile is saved and is visible to the user.

#### 3.2.2.4 Accept Request

- **Input:** The user can send a proposal request to the interested profile.
- **Output:** Initially the request will be sent. Once it is accepted, user receives a notification.

#### 3.2.2.5 Chat

- **Input:** The user need to select the message option. It will be only visible if the proposal request is accepted.
- **Output:** Message typing screen appears.

#### 3.2.2.6 Post News

- **Input:** The user can post a Matrimonial advertisements along with the following details:
  - Name
  - Age
  - Occupation
  - Date of Birth
  - Photo
  - Education

- **Output:** Get displayed in the News Window.

#### 3.2.2.7 Image Gallery:

- **Input:** The user can upload pictures of his/ her own and need provide the following details:
  - Image ID
  - Images
- **Output:** Confirmation message appears and it gets uploaded in the user's profile.

#### 3.2.2.8 Feed back

- **Input:** Name, Feedback ID, FeedBack Date, Comment, Rate
- **Output:** The given feedback appears in the window.

### 3.2.3 Admin:

#### 3.2.3.1 Admin Login:

- **Input:** The Admin need to enter the following details:
  - Admin ID
  - Admin Password
  - Admin Name
- **Output:** The Admin Home Page appears.

#### 3.2.3.2 Delete Account

- **Input:** The user can delete an account if the account as the following condition against it:
  - Numerous Reports
  - Unwanted Pictures
  - Vulgarity in Chats
- **Output:** Message of confirmation deletes appears.

#### 3.2.3.3 Manage News

- **Input:** The admin can review a news and disable the visibility if it hurt a religion, region or break the guidelines.
- **Output:** The news will be hidden from the News Page.

#### 3.2.3.4 Report Image or Profile

- **Input:** The admin can report a profile or image if it avoids the guidelines of the system.
- **Output:** The reported message would be notified to the user.

### 3.3 Non-Functional Requirements

#### 3.3.1 Correctness Requirement

All the different requirements specified in the document have been correctly implemented. It covers all the requirements that are expected from the Online Matrimonial Portal.

#### 3.3.2 Portability requirement

The application is XML and programming language based. So that the end-user part is fully portable and any system using any web browser should be able to use the features of the system, including any hardware platform that is available or will be available in the future. An end-user uses this system on any OS; either it is Windows or LINUX. The system shall run on PC, Laptops, Mobile, etc.

### **3.3.3 Efficiency Requirement**

The software is highly efficient and various tasks in its various modules simultaneously. Even if the system fails, the system will be recovered back up within an hour or less.

### **3.3.4 Usability Requirement**

The software has a simple but efficient user interface, which can be used by all types of users, both technically sound as well as people not having so much technology knowledge. So, any user can use its functionalities without any sort of complications.

### **3.3.5 Reusability Requirement**

The system should be available at all times, meaning the user can access it using a web browser, only restricted by the downtime of the server on which the system runs. In case of a hardware failure or database corruption, backups of the database should be retrieved from the server and saved by the administrator. Then the service will be restarted. It means 24 X 7 availability.

### **3.3.6 Reliability Requirement**

The system provides storage of all databases on redundant computers with automatic switch over. The reliability of the overall program depends on the reliability of the separate components. The main pillar of reliability of the system is the backup of the database which is continuously maintained and updated to reflect the most recent changes. Thus all overall stability of the system depends on the stability of the container and its underlying operating system.

### **3.3.7 Maintainability Requirement**

A commercial database is used for maintaining the database and the application server takes care of the site. In case of

failure, a re-initialization of the program will be done. Also, the software design is being done with modularity in mind so that its maintainability can be done efficiently.

### **3.4 User Characteristics**

The application does not require any specific computer knowledge to use it except the developers and administrators of it. Standard users are thought to be from any gender and any nationality but the age restriction is 18+ for females and 22+ for males, who can use just a computer's browser. On the other hand, administrators and potential developers need a high level of expertise to understand web technologies.

### **3.5 Design & Implementation Constraints**

Any update regarding the article will have to be recorded and the correct information must be updated and all the cost calculations must be done as soon as possible. The backup of all the data must be done on a hard disk. There are not so many strong firewalls so proper antivirus scans must be done before use. There is no provision for saving incomplete data.

### **3.6 Assumptions & Dependencies**

#### **3.6.1 Assumptions**

- Coding is error-free.
- The system should have an apt storage capacity and provide fast access.
- Users must use their username and correct passwords.

#### **3.6.2 Dependencies**

- The product needs the following third-party applications for the development of the project:
  - Android Studio (for development of android based applications)
  - Netbeans

- UI/ UX (for editing layouts, icons, buttons, etc.)
- Being a social network website, the software should ensure the safety of information given by the user and provide some privacy setting options to the user. It cannot sell the private information of users to someone else but if the user permits an application can access some information of the user.
- There will be the availability of Internet via 3G, 4G, 5G or Wi-Fi.

## 4 Interface Requirements

### 4.1 User Interfaces

The program offers a decent graphical interface for the user that can be run on the device by a user, performing the necessary tasks such as posting, reviewing, sharing.

- a. Login Page
- b. Home Page
- c. Page to display connection requests, suggestions, notifications, etc.

### 4.2 Hardware Interfaces

The system must run over the internet, all the hardware shall be required to connect to the internet.

- a. WAN - LAN Network
- b. Ethernet Cross-Cable
- c. Modem

### 4.3 Software Interfaces

The system is on the server so it requires any scripting language PHP, VBScript etc. The system requires a Database also to store any transaction of the system like MYSQL, etc. system also requires DNS (Domain Name Space) for the naming of the internet. At the last user needs a web browser to interact with the system.

## 4.4 Communication Interfaces

As a whole social networking website, we will be a completely stand-alone system that lets other platforms connect, fetch and transform data at certain levels. The platform will provide APIs and tools for third-party developers to let them create high-level integrated plugins and programs. The main communication interface with the other platforms will be the application Platform. However, this integration and its level will be set by the user, who wants to integrate their accounts and information with other websites.

## 5 Conclusion

Matrimonial Application is to provide groom and brides with excellent matchmaking experience by exploring the opportunities and resources to meet true potential partners. This provides platform to a lot of bride and groom for finding perfect match. There are different sectors like Registration, Search, Post News, Chat, etc. So the bride and groom can get there interest for finding there partner. The application provide facility like edit profile, delete profile, hide profile, create album, send message, etc.