Match Prediction Matrimonial Web Application

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Abstract - *Matrimonial Websites are a variation of the standard dating websites. Matrimonial sites are popular in India and it is an alternative to the Traditional Marriage Broker. Matrimonial Services is an application which will provide all Marriage related services and collect all the service providers from all over the India at one platform to help parents looking for marriage to their sons and daughters anywhere in the India. Matrimonial website has similar functionalities like Jeevansathi.com, Bharat matrimony, Shadi.com. It allows user to register his/her profile and search his or her matching profile and supports quick and advance profile search.*

*Keywords***: Machine Learning, Artificial Intelligence, Gale Shapley Algorithm, Matchmaking, etc.**

1. INTRODUCTION

Matrimonial Services is an application which will provide all marriage related services and collect all the service providers from all over the India at one platform to help parents looking for marriage to their sons and daughters anywhere in the India. The Online Matrimonial Application is an Android application that enables the users to find partners by choice. Using this application, the users, candidates can register themselves and search for different service providers. In today's scenario it's a tough task for everyone to get work properly on time because everyone having lack of time and lack of resources. It is necessity and need to apply the information technology for matrimonial services. For perfect marriage matching Gale Shapley Algorithm is used. The Gale Shapley Algorithm is used to find stable matching. The main objective of Matrimonial Web Application is to provide grooms and brides with excellent match making experience by exploring the opportunities and resources to meet true potential partner. Keeping our objective in mind, we have created a world renowned match making services that will touch the souls of millions of people all over the globe. Matrimonial Web Application will allow a new user to register and after successfully registration user can get email confirmation, after completing registration users profile will be visible to other users. The problem was formulated in 1962 by Gale and Shapley, who showed that any instance can be solved in polynomial time and has attracted interest due to its application to any two-sided market. Still, the solution obtained by the Gale-Shapley algorithm is favorable to one side. Existing Matrimonial systems are developed to search out the match between Bride/Groom as per their age, faith or caste. But the drawback of such systems is it doesn't match the behavior of the Bride/Groom to find out the perfect match. To find out the perfect match and understand the behavior, we proposed a Matrimonial Web Application which uses Machine Learning to understand the user's behavior and suggest real-time appropriate profiles. Searching for a life partner on matrimony sites has become hi-tech now, as the marriage portals are taking the help of artificial intelligence to find and recommend a life partner for their users. Artificial intelligence (AI) algorithm is helping the users on matrimony sites to find a match not only based on their preferences but also by observing and understanding user's behavior and suggesting real-time appropriate profiles. Definitely AI and machine learning help to match better. The diversity and the numerous factors that come to play during matchmaking ranging from personal interests, education, language, career, family, lifestyle to horoscopes is what makes it interesting for AI to understand behavior, history and more to match. The Gale Shapley Algorithm is used to find stable matching.

1.1 Aim

1. The main objective of Matrimonial Web Application is to provide grooms and brides with excellent match making experience by exploring the opportunities and resources to meet true potential partner. Keeping our objective in mind, we have created a world renowned match making services that will touch the souls of millions of people all over the globe.

2. Matrimonial Web Application will allow a new user to register and after successfully registration user can get email confirmation, after completing registration users profile will be visible to other users.

3. To offer suggestions on a real-time basis and recommend appropriate profiles to its members, thereby enhancing their experience and helping them find a match based on their preferences. We have also deepened behavior-based personalization. To improve the engagement on our platform significantly.

1.2 Objectives

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2. LITERATURE SURVEY

Literature survey is gathering the information of previous work done related to your project. It contains the research study year, researchers name, technologies used and drawback of the system.

In the year 1975, Anuroop Wiwah Sanstha was established by Mrs. Anjali Kanitkar and he worked in the field of match-making with passion and personal touch. This web application provides advanced search, view and search profile, express interest, respond to you interest, save your search, search for your better half through different "matches". But, the basic functionalities are missing like cancel the request, view rejected profiles and rejected profiles are shown in matches.

In the year 1997, Shadi.com was established by Mr. Anupam Mittal. This web application allows both parents and their children to review together potential matches with a Shadi.com relationship experts. A Shadi toolbar is available that makes accessing the sites very easy; the toolbar alerts you to new messages right away. But, It takes long time to open this app and it is not user friendly.

In the year 1997, BharatMatrimony is an online matrimony service and part of Matrimony.com was established by Murugavel Janakiraman. This website provides features like Matchboard, SoulMate search, AstroMatch, and express interest to help customer to make the right matches. But, If clicked on particular profile, it redirects to some other profile.

In the year 1999, Jeewansathi.com is a matrimonial website established by Sanjeev Bikhchandani. This website provides privacy and confidential to your data. It understands that different people have different needs for privacy and confidentiality. But, there are very less profiles for searching the brides as well as grooms. The information depth is very less. The process is very lengthy and always asking for upgrading the profile and there are some charges for that. In the year 2018, Tumchaamchajamla.com provides modern ways to find the right life partner and respecting the traditional values in matrimony process. But, Search option does not give any results. Search option has issue.

3. ARCHITECTURE

3.1 Problem Statement/ Definition

Existing matrimonial systems are developed to search out the match between bride/groom per their age, faith or caste. But the drawback of such systems is it doesn't match the behavior of the bride/groom to find out the perfect match. To find out the perfect match and understand the behavior we proposed a Matrimonial Web Application which uses Machine Learning to understand the user's behavior and suggest real-time appropriate profiles.

3.2 Proposed Architecture

We are introducing a system that allows user to extract meaningful information from a particular pdf, by using text characteristic algorithms. User has to upload the file into our system and system will get process on that file and give output to user.
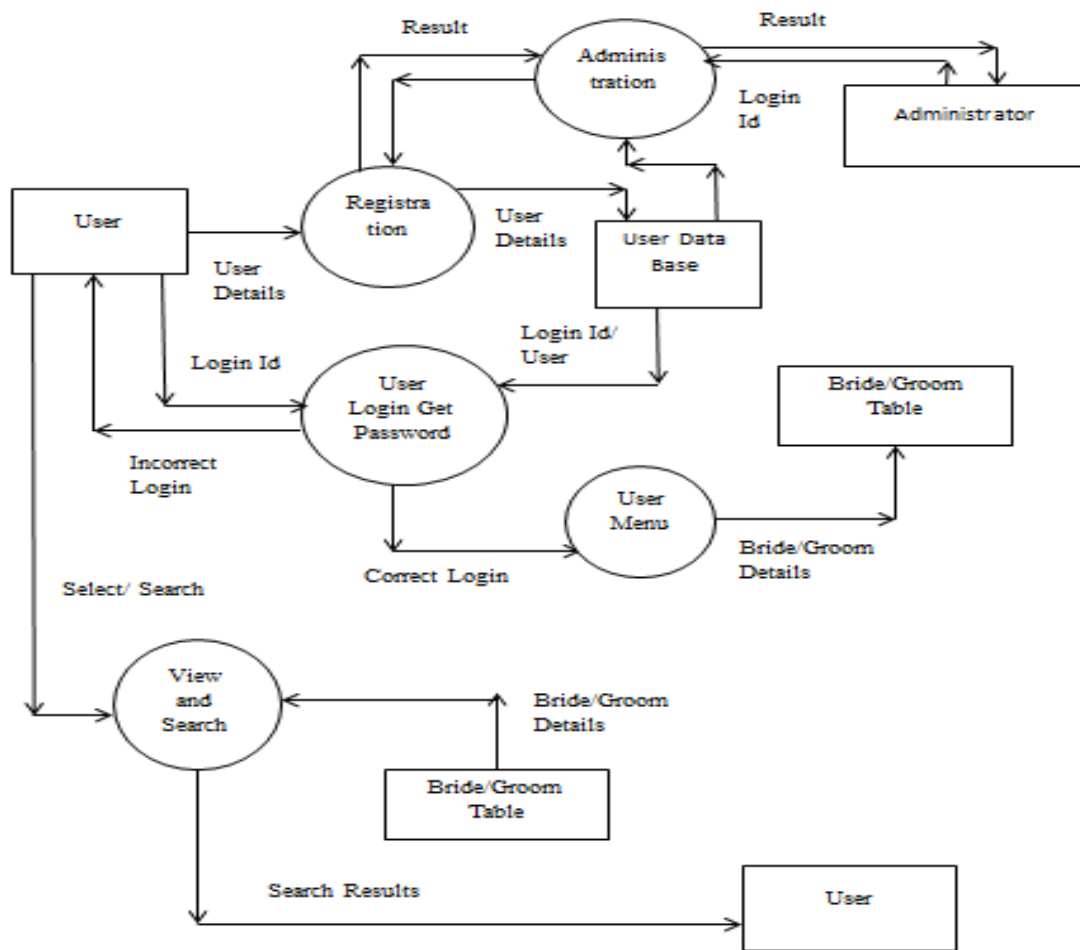
Figure 3.1: Proposed Architecture Diagram

4. CONCLUSION

Matrimonial Web Application is to provide Grooms and Brides with excellent matchmaking experience by exploring the opportunities and resources to meet true potential partner. Matrimonial website will provide platform to a lot of Bride/Groom for finding perfect match. There are different sectors like Registration, Partner search, etc. So the Bride/Groom can get their interest for finding their partner. Bride/Groom can directly search partner according to their required criteria. The Bride/Groom can use match by Email functionality so he/she can get directly E-mail alert for the match which fulfill their required criteria. It helps the user by providing profiles of perspective "Bride" or "Groom" and other information regarding them online. Matrimonial web application provides facility to change preference about partner. This application provides facilities like edit profile, update photo and delete photo, hide profile, create album, send express interest, send personal message to the user. This application also provides matchmaking ranging from personal interests, education, language, career, family, lifestyle to horoscopes is what makes it interesting for AI to understand behavior, history.

5. RESULTS
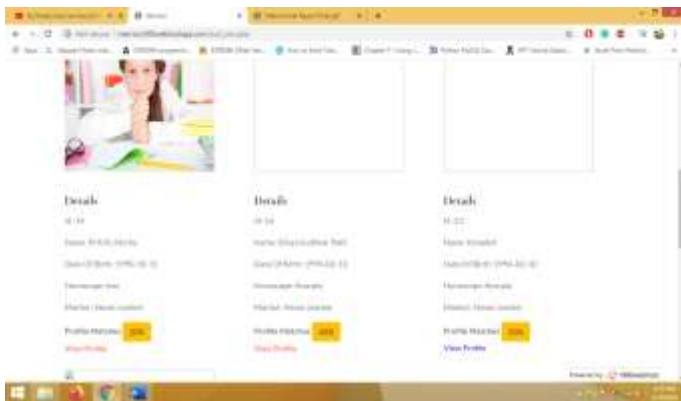

Figure 5.1: User Profile Status

Figure 5.2: Others Profile With Matching Percentage

Figure 5.3: Searching by ID

Figure 5.4: Profile Picture and Photo Gallery of user

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