

SYSTEM STUDY

1.1 INTRODUCTION

Dreamwed stands as an innovative online matrimonial platform, meticulously developed using the Python Django web framework. Tailored for users seeking life partners, this platform seamlessly connects individuals, administrators, and matches, cultivating a vibrant and interactive matchmaking environment.

With a user-centric approach, Dreamwed empowers users by facilitating profile creation, preference management, secure communication, and feedback sharing directly with administrators. The platform's responsive notification system keeps users informed about important updates, catering to their individual requirements promptly.

Recognizing the pivotal role of administrators in this ecosystem, Dreamwed entrusts them with key responsibilities. Admins oversee profile management, facilitate secure communication, verify details, and maintain the platform's integrity, ensuring a seamless and enriching experience for users in their quest for meaningful connections.

1.2 EXISTING SYSTEM

The traditional approach to matchmaking faces significant inefficiencies and challenges. A closer examination exposes gaps in data management, missed connections, and a lack of systematic methodologies for individuals seeking life partners. Current systems often lack a seamless and data-centric experience. Despite attempts at modernization, these systems struggle to adapt to the evolving needs within the realm of matchmaking. This stagnation results in prolonged partner search cycles and missed opportunities for genuine connections between potential life partners. The evident need for a more responsive and efficient system in the realm of partner discovery is undeniable.

1.2.1 NATURAL SYSTEM STUDIED

The current matchmaking system relies heavily on manual processes, causing data management issues and delays in finding partners. This manual approach leads to profile visibility challenges and a slow partner discovery process. DreamWed addresses these issues with strategic automation, streamlining tasks for users. By automating processes, it accelerates partner discovery, offering a more efficient and personalized matchmaking experience, freeing individuals to focus on meaningful connections.

1.2.2 DESIGNED SYSTEM STUDIED

Various designed systems were analyzed, revealing a spectrum of limitations and advantages. Common shortcomings include the absence of comprehensive features, user-friendly interfaces, and efficient data management methodologies. The objective is to distill the effective elements and incorporate them into the proposed DreamWed system for a more robust and comprehensive solution. Designed systems, while attempting to tackle specific issues, frequently overlook the holistic needs of individuals seeking partners. A prevalent challenge is the complexity of interfaces, posing difficulties for users to navigate seamlessly. DreamWed aims to simplify the user experience, ensuring that the advantages of technological advancements are accessible and user-friendly for all individuals seeking genuine connections.

1.3 DRAWBACKS OF EXISTING SYSTEM

- Missed Connections
- Manual Screening
- Inefficient Communication
- Subscription based access to features
- Poor user experience and interface

1.4 PROPOSED SYSTEM

The proposed system for DreamWed aims to revolutionize the realm of online matchmaking by addressing existing limitations and introducing innovative features. To enhance user experience, an intuitive interface and comprehensive tutorials will be integrated, minimizing the learning curve for newcomers. Advanced integration capabilities will establish seamless connections with various matchmaking tools, fostering a more interconnected and efficient matchmaking ecosystem. Optimization strategies will be implemented to manage resources effectively, ensuring optimal performance even in resource-constrained scenarios. Incorporation of accessibility features will align with standards, fostering inclusivity for users with diverse needs. Scalability enhancements will accommodate a growing user base and increased data volume. Offline functionalities will be introduced to support users in regions with limited internet access. A robust security framework will safeguard sensitive user data, prioritizing data integrity and user privacy. Feedback mechanisms will be refined for improved user satisfaction and effective communication.

Personalized features catering to diverse preferences will offer a more flexible and tailored matchmaking experience. Regular updates and maintenance will ensure the platform remains at the forefront of technological advancements and best practices in online matchmaking. The envisioned system aspires to elevate DreamWed into a more advanced, inclusive, and adaptable online matrimonial platform.

1.5 ADVANTAGES OF PROPOSED SYSTEM

- Efficient Matchmaking
- Comprehensive Profile Details
- Enhanced Communication Tools
- User-Centric Design
- Destination Wedding

CHAPTER 3

REQUIREMENT ANALYSIS

3.1 FEASIBILITY STUDY

This feasibility report evaluates the viability of implementing DreamWed, an online matrimonial platform, using the Python Django framework. The system aims to offer a reliable and effective platform for individuals seeking life partners, enabling seamless connections, profile management, secure communication, and personalized matchmaking experiences. The report assesses the technical, operational, and economic feasibility of the proposed project.

3.1.1 ECONOMICAL FEASIBILITY

The economic feasibility of DreamWed involves diverse aspects. Initial development entails software creation, database establishment, and hiring skilled personnel. Ongoing costs cover server, maintenance, and staff salaries. Marketing is crucial to attract users. Strategies for user acquisition and retention require investment. Revenue models may involve subscriptions, premium features, or partnerships. Success metrics include ROI and user adoption. Scalability and future expansions ensure sustainability. Risk analysis anticipates challenges, aligning financial strategy with objectives in the evolving matrimonial tech landscape.

3.1.2 TECHNICAL FEASIBILITY

The DreamWed platform exhibits robust technical feasibility by strategically utilizing the Python Django web framework and a well-planned technology stack. The skilled development team's expertise in web development and database management ensures the successful execution of multifaceted features. The use of reliable hosting and potential integration of cloud services emphasizes the dedication to optimal performance, scalability, and availability. DreamWed excels in its technical feasibility, embodying a steadfast commitment to technological excellence, establishing a resilient foundation for a sustainable matrimonial platform.

3.1.3 BEHAVIORAL FEASIBILITY

The behavioral feasibility of the DreamWed platform is centered on its adaptability to the behaviors and preferences of its primary stakeholders: users seeking life partners, administrators, and matches. This feasibility aspect emphasizes the platform's ability to foster positive user interactions, encourage active engagement, and seamlessly integrate matchmaking activities within a digital environment.

For users seeking partners, DreamWed offers features such as comprehensive profile management, secure communication tools, and personalized matchmaking experiences, aligning with contemporary preferences. The provision of detailed profiles facilitates informed decision-making for users, contributing to a more effective partner discovery process.

Administrators overseeing system functionalities experience the behavioral feasibility through robust management tools and secure data handling mechanisms. Interactive support features foster a supportive environment and efficient user assistance.

3.1.4 FEASIBILITY STUDY QUESTIONNAIRE

1. Project Overview?

DreamWed is an innovative online matrimonial platform revolutionizing partner discovery while integrating the concept of destination weddings. It serves individuals seeking life partners, offering profile management, secure communication, and personalized matchmaking. Admins ensure data security, aiming to centralize partner discovery, simplify profile management, and provide a comprehensive hub for meaningful connections and unforgettable destination wedding planning experiences.

2. To what extend the system is proposed for?

The proposed system aims to cater to diverse relationship needs, including facilitating destination weddings. It seeks to accommodate various preferences, from traditional matches to unique preferences, through personalized matchmaking and detailed profile management. By integrating destination wedding planning features, the system endeavors to serve as a versatile platform, fostering meaningful connections and assisting users in nurturing enduring relationships while planning unforgettable wedding experiences in picturesque locations.

3. Specify the Viewers/Public which is to be involved in the System?

The system targets three primary user groups in the context of DreamWed: individuals seeking life partners, administrators, and matches. Individuals looking for partners constitute the primary audience, utilizing the platform for profile management, communication, and partner discovery. Administrators, or admins, oversee the platform's functionalities, ensuring data security and system integrity. Matches engage actively, managing their profiles, communicating, and exploring potential connections. These three segments collectively form the active participants within the DreamWed system.

4. List the Modules included in your System?

In DreamWed, the system operates through two interconnected modules. The User Module caters specifically to individuals seeking life partners, offering comprehensive tools for

managing profiles, engaging in secure communication with potential matches, and customizing preferences for an optimized search experience. Conversely, the Admin Module governs the platform's entirety, overseeing user account management, ensuring robust data security measures, facilitating system approvals, and maintaining the overall functionality and integrity of the platform. These two modules collaboratively form the backbone of DreamWed, catering to the distinct needs of users while ensuring a secure and efficient matchmaking experience.

5. Identify the users in your project?

- User
- Admin

6. Why should a matrimonial website integrate the option for destination weddings?

Integrating destination weddings expands the website's offerings, catering to couples seeking unique and memorable matrimonial experiences beyond traditional ceremonies.

7. System is related to which firm/industry/organization?

The DreamWed system is closely associated with the matchmaking and matrimonial industry, specifically catering to individuals seeking life partners. It serves as a relevant platform for users actively engaged in the process of finding meaningful relationships, irrespective of cultural, social, or geographic boundaries.

8. Details of person that you have contacted for data collection?

I've reached out to individuals who have faced challenges or difficulties while using matrimonial websites, as well as those who have extensive experience utilizing such platforms, some of them are:

1. Jessin Chacko
Erumely, Kottayam
2. Jonathan joseph
Iritty, Kannur

9. Questionnaire to collect details about the project? (Min 10 questions, include descriptive answers, attach additional docs (e.g., Bill receipts), if any?)

9.1 What inspired the decision to incorporate destination weddings into the matrimonial website's offerings?

The decision was inspired by the growing trend of couples opting for destination weddings and the desire to provide comprehensive wedding planning resources to users.

9.2 What functionalities are accessible to administrators for managing profiles within the DreamWed system?

Administrators within DreamWed possess a range of profile management functionalities. They can view all profiles, filter profiles by name, gender, and status, as well as access detailed information about individual users. Additionally, administrators have the ability to suspend and unsuspend accounts, ensuring platform integrity. They can also generate reports containing comprehensive user details, contributing to efficient profile management within the system.

9.3 How does adding destination weddings to a matrimonial website benefit users?

Adding destination weddings to a matrimonial website expands couples' options beyond traditional venues, offering unique and memorable experiences in picturesque locations, fostering romance and adventure while simplifying honeymoon planning.

9.4 How do couples determine which wedding package is best fit for their budget and needs?

Couples should carefully review the details of each package, comparing inclusions, pricing, and any additional customization options available.

9.5 How can users personalize their preferences for potential matches?

Users can personalize their match preferences by adjusting criteria such as Location religion, age etc.

9.6 How can users report or block suspicious or unwanted profiles on DreamWed?.

Users have the option to block profiles that appear suspicious or unwanted by using the platform's reporting feature, allowing for a safer and more comfortable experience on DreamWed.

9.7 What should users do if they're uncertain about sending an interest to a profile?

In situations where users feel unsure about sending an interest to a potential match, they can opt to add that profile to their "interested" list. This action allows users to

maintain a record of profiles they find intriguing without directly initiating contact, offering the flexibility to revisit and consider engagement at a later time on DreamWed.

9.8 How crucial is it to establish preferences on DreamWed?

Setting preferences on DreamWed holds significance as it refines match suggestions, aiding in aligning users with potential partners who meet their specific criteria and preferences.

9.9 What communication options are available for users on DreamWed?

DreamWed offers real-time communication options through a chat feature, enabling users to engage in instant messaging for seamless and immediate communication with potential matches.

9.10 How can I determine if the recipient has viewed my message on DreamWed?

DreamWed employs a read receipt feature indicated by a tick mark, enabling users to ascertain if their message has been seen by the recipient.

9.11 What role does personalization play in the integration of destination weddings on the matrimonial website??

Integrating destination weddings allows couples to personalize their matrimonial journey by choosing unique locations, themes, and cultural elements that reflect their love story and preferences.

3.2 SYSTEM SPECIFICATION

3.2.1 HARDWARE SPECIFICATION

Processor - Intel i3 or above

RAM - 4 G B

Hard disk - 2 5 6 G B

3.2.2 SOFTWARE SPECIFICATION

Front End - HTML5, CSS, Bootstrap

Back End - Django, SQLite

Database - SQLite

Client on PC - Windows 7 and above.

Technologies used - JS, HTML5, AJAX, J Query, PHP, CSS