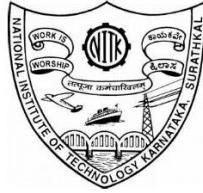


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Department Of Information Technology



Lab Assignment:- 2

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Course:-Software Engineering (IT303)

Submitted To:-

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Dating App System Design

The motivation for designing a Dating App Design System :

To address the complex and evolving needs of modern dating platforms.

Understanding the Problem is the initial step in this endeavor, as outlined in the provided references.

1. **Understanding the Problem:** The dating landscape has dramatically transformed with the advent of technology. The sheer number of dating apps has led to a fragmented and inconsistent user experience. To create a cohesive and user-centric dating app. Gathering Requirements is the cornerstone of this system's motivation.
2. **Gathering Requirements:** The primary motivation is to gather comprehensive requirements that encompass not only the technical aspects but also the human and emotional elements of dating. By delving into the intricacies of human relationships and the unique challenges faced in this domain, we aim to build a dating app that truly resonates with users.
3. **Use Cases:** Use cases are pivotal in understanding how users interact with the dating app. We must identify and define a wide range of use cases to ensure that our system caters to various scenarios, from matching algorithms to messaging and profile creation.
4. **Business Perspective:** This design system takes into account the business aspects of dating apps, recognizing the need to define clear business actors, use cases, and project glossaries. By aligning with the business goals, we ensure that the system is not only user-friendly but also sustainable and profitable.
5. **Developer Perspective:-** Developers play a crucial role in turning the design into a functional reality. This perspective emphasizes the need for specialized actors, use case relationships, and detailed system use cases.
6. **Analyzing the Problem-:** A deep dive into problem analysis is critical for a dating app design system. By understanding the reasons behind certain user behaviors, we can make informed design decisions that lead to better user engagement and satisfaction.
7. **Static and Dynamic Analysis:** These analytical approaches help us identify the key components of the dating app. Static analysis helps us

define classes and relationships, while dynamic analysis allows us to map out how users will interact with the system, ensuring a seamless and efficient user experience.

The dating app system is a valuable tool that can help people meet new people and potentially start relationships. The system is easy to use and provides a variety of features that can help users find the right person for them. The system is also safe and secure, so users can be confident that they are meeting people who are genuine and respectful.