

ABSTRACT

The aim of the project is to focus on developing mobile apps for the patient with Diseases which is affecting a Huge Amount of the Population today i.e Alzheimers and building an Android application that could ease the everyday life of a person affected by Alzheimer's disease. This app provides various functionalities such displaying the home, hospital location using GPS, providing medicine timing notifications in a daily routine to increase cognitive functioning of the patient and Timely Alarm to Provide a Reminder of the App. The main objective of this project is to make people suffering from Alzheimer's as independent as possible. So this project is not only about creating an application but also addressing the problem of increased dependency.

The primary goal of the application is to provide users with a range of features and functionalities that will help them manage their daily lives more effectively. For example, the app will use GPS technology to display the user's home and hospital locations, making it easier for them to navigate their surroundings. Additionally, the app will provide notifications for medicine timings, which will help patients maintain a consistent medication routine and improve their cognitive functioning. Another key feature of the application is the timely alarm system, which will provide users with regular reminders of the app and its functionality. This will help ensure that patients are using the app regularly and making the most of its features. By providing a range of tools and resources, the app will help patients with Alzheimer's become more independent and self-sufficient, reducing their reliance on caregivers.

Overall, the objective of this project is to create a mobile application that is specifically tailored to the needs of individuals with Alzheimer's disease. By leveraging the power of mobile technology, the app will provide patients with a range of tools and resources to help them manage their condition and improve their quality of life. The project also aims to address the problem of increased dependency on caregivers, which is a significant issue for Alzheimer's patients and their families. By developing a mobile application that is accessible and easy to use, the project aims to reduce the stigma associated.

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In recent years, online social networks (OSNs) have become increasingly popular due to the rapid development of mobile applications and the explosive growth in online interaction. With the growth and accessibility of technology and internet, the ease of posting and sharing photos on social networking services (SNSs) has increased exponentially. The privacy of online photos is often protected carefully by security mechanisms. However, these mechanisms will lose effectiveness when someone spreads the photos to other platforms the illegal disclosure of user's private data can cause damaging consequences and even threaten the safety of users' life. In recent years, there are some research works to address this privacy issue, yet they do not always focus on providing the normal social network services for users, such as data sharing, data retrieval and data access services. Therefore, it is a challenge to ensure the security of sensitive data while providing efficient and privacy-preserving social network services for users. In this paper, we propose PhotoChain, a BlockChain-based secure photo sharing framework that provides powerful dissemination control for cross-social network photo sharing. Combined BlockChain, Gaussian Blur for Face Masking, PreHash Algorithm for Photo integrity verification and Access Control, Mechanism can achieve secure data sharing, data retrieving, and data accessing with fairness and without worrying about potential damage to users' interest. In contrast to security mechanisms running separately in centralized servers that do not trust each other, our framework achieves consistent consensus on photo dissemination control through carefully designed smart contract-based protocols. Considering the possible privacy conflicts between owners and subsequent re-posters in cross social network photo sharing, we design a dynamic privacy policy generation algorithm that maximizes the flexibility of re-posters without violating formers' privacy. Moreover, PhotoChain also provides robust photo ownership identification mechanisms to avoid illegal reprinting. Finally, this project implements a prototype of the framework and deploy it to a locally simulated social network. The extensive experiments and security analysis demonstrate the security, efficacy and efficiency of our proposed framework.