

Design and Implementation of Secure E-Voting System in Cloud Environment

Abstract

APPs are applications developed on mobile devices like mobile phones, PDA, tablet PC, and etc. Users can download these APPs to themselves mobile devices from software store, and users can use APPs anytime, anywhere. Some of APPs are free, and the others are paid. But most of APPs are free. APPs have advantages of convenient, fully loaded content, time, analytics, new idea, and generate revenue. Today information technologies developed, the popularity of cloud computing services and powerful computing capabilities, network characteristics of far-reaching, in the impact on the traditional style of voting behavior. Many experts and scholars have research to information technology as the foundation to simulate the behavior of a traditional paper voting, voters vote in order to facilitate and increase voting intention. Although the convenience of electronic voting poll can be solved in the traditional north-south travel back and forth between the two places, but it also hides some problems, such as: user identity confirmation, fraud disputes, bearer principles, etc., have to rely on a complete good electronic voting mechanisms. Therefore, this project intends to use the convenience of mobile devices, the development of the electronic voting system under cloud environment, providing business or organization convenient and secure electronic voting. This project based on legality and practicality considerations, developing a secure electronic voting system to solve the security of electronic voting secrecy, verifiability, anonymity, mobility, fairness, uniqueness, integrity, and resolve fraud disputes and other issues, and can provide personal or business system design as a reference, to avoid interest being infringed; this project developed by the secure electronic voting system can be integrated into existing enterprise collaboration video conferencing systems, video conferencing systems so secure Electronic voting with unique features.

Keywords : APPs, Information Security, Blind Signature, E-Voting, Election