An Antibot-Based Web Voting System for Higher Institutions

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Abstract

The Internet has caused an evolution in how people socialize, work, and do business. The emergence and improvement in cloud computing and web technologies make interactions and remote processes possible. This advancement has presented an opportunity for the people and their representatives to meet during the voting process. Voting is making a choice or decision within a particular group. However, the conventional voting process that uses the paper-based approach faces the challenges of multiple voting, overvoting, cost, high voting fraud, and delay in declaring election results due to long counting times. Various methods have been proposed to overcome the multiple challenges prevalent in the traditional voting system. This paper proposes an antibot-based web voting platform that enables voters to vote within any location. It uses the hash technique and the antibot checking features to enforce security and voters' confidentiality. PHP and HTML languages were used to implement the front-end of the system. SQL database and the Apache server were used for the back-end. On implementation and testing, our system shows good security enhancement and a reduction in the time consumed for counting and declaring election results.

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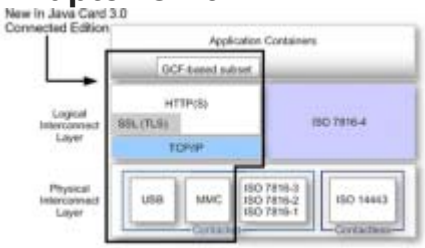

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