ONLINE VOTING SYSTEM

Introduction

This document describes the structural properties and software requirements of the Online Voting System.

Problem Definition

Manual voting system has been deployed for many years in our country. However in many parts of our country people cannot attend the voting because of several reasons. To illustrate, sometimes people may not be in their own registration region and due to this fact they cannot fulfill their voting duties. In order to solve these problems there is a need of online election voting system in addition to manual voting system. After registering to system, the voters will use their votes at any field areas by using the system if they prefer online voting

Scope

This SRS document applies to the initial version of the “Online National Election System” software package. This document describes the modeling and the requirement analysis of the system. The main aim of the system is to provide a set of protocols that allow voters to cast ballots while a group of authorities collect votes and output final results.

Overview

The remainder of this document identifies the actors, use-cases, use-case scenarios, activity

diagrams, assumptions and dependencies needed for the analysis and design of the Online

National Election Voting software package. The rest of the document contains the overall

description of the system, requirements, data model and behavioral description of the

system and project planning.

General description

The ONEV is a web-based system so fundamental features related with web-based

technologies such as client-server and database properties determine the software

requirements of that project.

Functional Requirements

This is a normal mode –before and after Election Day - a user interacts with the system. It

involves registration for voting, updating profile, viewing election candidates (EC) as well as

sending them questions. It also includes functions for the Election Commission Authority

(ECA) to register EC and approve registered voters. The following use-cases describe the

functional requirements.

Interface requirements

The system must provide a user interface for all types of users (ECA, ESS, EC, and Voter) that is

available through all Web browsers. The user interface for voter must be different for Election

Mode and Normal Interactive Mode.

Hardware Interfaces

There are no hardware interfaces to this software system. The only interfaces are through a

computer system.

Software Interfaces

The poll server runs on http server that is enabled to handle server pages. It uses a relational

database to keep track of the polls, which it connects through standard database connectivity

interfaces. In order to run the setup software, the environment needs to have a Java Virtual

Machine running on it

Design constraints

We can classify our data objects and their main attributes as follows.

Login: UserId, Password.

UserList: Voters , ECs, ECAs, ESSs.

User: Name, Address, VotingCenterId, Age, Sex, TCK, userID, password

CandidateVotes: earntVotes, totalVotes, percentage, rank

Candidate: PoliticalParty, RullingArea, position

ESS: userId, password

Stations: stationId, ESS

Appendices

This SRS document is prepared for a better design of Online National Election Voting system.

The functional and other requirements of the system are described and the needs of the

users are stated thought the document.