Online election manager/publisher/analyzer

Requirements Specification and Analysis

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REQUIREMENTS ANALYSIS DOCUMENT[1]

# Introduction

The purpose of this system is to provide an efficient voting platform for various institutions ranging from schools to offices. The proposed system was designed so as to enable users to hold an election with ease. The driving motive behind the development of the system was a growing demand for a platform that will help with the choosing of a person with majority votes fairly while at the same time the system should be user-friendly and need minimal training/knowledge to be able to use.

## Purpose of the System

This system was designed with the aim of providing easy, credible and fair elections for users who want to use a vote to choose a person with the highest number of voters thereby declaring the person the winner. It makes the whole process an easy affair without too much hassle as all the users have to do is sign up and follow a few easy steps.

## Scope of the System

The system provides service to mostly the person who in charge and also universities, government departments and so. Thus, there are some common functionalities for both admins who pay for the service and the users, also some different functionalities for the both too.

The system provides many services to the admins of the system like; Admins can create new election to select a person to as specific position by the votes of people that affected by the results or if admin eliminated a lot candidates and can’t decide between several of them, then they can create an election to choose it. They can see the analysis of the elections, they can see the changes between votes between 2 elections and they can manage the system according to themselves.

The system provides many services to the Candidates like; they can vote for themselves or somebody else in the same election. They can see who is winning live before the election ends and they can prepare for a demonstration about what they want to achieve if they win the election to voter’s to see while they are voting.

The system provides some services to regular Users; if they are allowed, they can vote in private elections and they can vote in public elections(regional, state etc…). They can follow the election by time going and after the election ends, they can see full analyzed results of the election they participate.

## Objectives and Success Criteria of the Project

Our objective is to grant users the ability to conduct elections easily without having to go through unnecessary hardship. This will be a base system for future online elections and a good choice for today's business elections, to get rid of a lot of paper work and man-hours spent.The success criteria for the project would be:

• users’ satisfaction

• the rate of usage

• reported successful elections

• the popularity of the system

• usefulness

## Definitions, Acronyms, and Abbreviations

RAD: Requirements Analysis Document

## Overview

This document contains descriptions of the functionalities of the proposed system. Functional and non-functional requirements of the system are explained in detail. There is also a description of the use cases and scenarios used. Also included is the schedule for when the project is estimated to be completed also known as Gantt Chart

# Current System

The current election system is used generally around the world is on paper election method that requires voters to come to a specific place to vote and besides regional elections for examples in schools this can be a really big problem.For example last year there was an election in our schools which get %40-50 participation percentage which is very very low. With that system. If we want to continue with school example the paperwork needs to do by the school and candidates and when election going through there are a lot of people working in the process to keep the election safe and fast as possible it can. After the election finished there is a calculating votes process and you can’t be sure if it's accurate or not fully. When the election happening voters do need to go specific place that mostly not close to their house or they don’t want to enter the queue for voting. Moreover, current election system is functional but not optimal.

# Proposed System

The new system to be designed will enable votıng by allowıng candıdates to sıgn up so as to be able to be elected. Candıdate have a unıque ID whıch wıll be ımportant when the voter ıs choosıng for hıs choıce of candıdate to vote for. Voters wıll be able to vote usıng an electıon lınk that wıll be sent to them, they wıll see each candıdate and choose the one of theır choıce. The system ensures that the electıons aren’t rıgged (that ıs no voter ıs allowed to vote for the same candıdate more than once) by askıng for the voter’s user ID before they make a theır vote. So, when a voter wıth the same user ID trıes to vote agaın for a candıdate wıth the same candıdate ID, the system rejects the vote as ınvalıd. The system wıll determıne the winner of the electıons by checkıng which candıdate ID has the hıghest number of voters.

## Overview

## Functional Requirements

## Nonfunctional Requirements

## System Models

## Project Schedule

# Glossary

# References

1. Bruegge B. & Dutoit A.H.. (2010). *Object-Oriented Software Engineering Using UML, Patterns, and Java*, Prentice Hall, 3rd ed.