Vision and scope Document

For

E-voting

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## Revision History

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| --- | --- | --- | --- |
| Name | Date | Reason for change | Version |
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## Purpose

This document outlines a preliminary, draft vision and scope of the e-voting software.

## 1. Problem statement

## 1.1 Problem background

This project is the practice project in CS 511 class in CS department in TSU .We want to develop E- voting software in this class, in order to get project management knowledge and experience.

## 1.2 Stakeholders

Stakeholders are individuals that are actively involved in a project, are affected by its outcome or can influence its outcome.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Stakeholders | Major value | Attitudes | Major Interests | Constraints |
| 511 student | Improve knowledge in software management | Expect high usability in the future | Getting experience and be more flexible | timing |

## 1.3 Users

“User” is here defined as anyone who actually uses the system directly.

## 1.4 Administrator

These individuals will be involved in performing maintenance activities for the software. This might include setting up accounts and access privileges for users, running maintenance procedures and backups, publish the final result.

## 1.5 Voter

These individuals will be involved in day-to-day use of the software for assistance in required job functions. Each voter will use the software to make his own choice to vote the candidate by ranking the candidate in order of preference.

## 1.6 Risks

Development of e-voting system needs always carries some risks .the most typical risks when a development is undertaken include:

* Timing issues: this typically results from the addition of requirements or features that are not outlined at the beginning of the project
* Implementation issues: in this case critical functions may not operate correctly at first delivery.

To reduce all this risks developer need to set up a guideline and plan the software project

## 1.7 Assumptions

E-voting software based on Instant-runoff voting IRV known as alternative vote is an electoral system to elect one winner using form of preferential voting in which voters rank candidate in order of preference. We limited the candidate num in our system to max num 5 and voter num are limited to 1000 using 3 rounds.

## 2. Vision of the solution

## 2.1 Vision Statement

This software will provide perfect understanding on how the Instant Run-Off Voting system works.

## 2.2 List of features

In this software we have two types of users:

* Candidate profile
* Ranking preferences

## 2.2.1 Candidate profile

The user has an opportunity to have a brief story about the candidate (date of birth, political ideology, etc…) strategies if he doesn’t have an idea about them before he start the vote.

## 2.2.2 Ranking preferences

It is a form of preferential voting in which voters rank the candidates in order of preference and their ballots are counted as one vote for their first choice candidate.

## 2.2.3 Display result

Here the user can had an idea on who is winning the vote at this time, but this is only estimation because only the administrator has the right to publish the final result