

User Requirements Specification

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1 Introduction

This document is the definitive specification of the user requirements for the voting portal to be developed under the Fundamentals of Software Engineering Project. This document is intended to be read by all responsible for the management of the United States election system including developers of the software. It is also meant to be read by the user, user representatives, and other intended parties. Contractors who undertake all or parts of the development are also encouraged to read this the user requirements specification document.

2 General Description

2.1 Objective

The voting portal creates an ease of data collection for the management. This system also provides security and convenience for the user. The original goal was to build an integrated application system integrating all elements of the current, paper election system users are used to. The user will be able to both register and vote on the portal once approved by the admin. This allows for a two person verification system. The admin will not have access to the voter's personal information other than validation of U.S. citizenship and username. The database keeps all voting and personal data secure.

2.2 System Concept

The aim is to build an integrated application system for voting, integrating demographics, voter registration, and configurable ballot management, voting with paper trail, results and system administration.

2.3 Users and User Interface

The interface creates an intuitive, user friendly experience. Everything the user needs can be accessed from the dashboard, both for the voters and the admin users. Due to the fact that this system will not have frequent users, it is important for the interface to aid the user in their task. The dashboard is linked in the navigation bar as well as the login, logout, and sign up functions. From these links, the user has access to the entire site which is labeled according to the task he/she wishes to complete. For this system, it is estimated that there will be only a handful of administrators, but millions of users if it is implemented in the national election system.

3 Hardware Requirements

To access the user interface, the voter and/or admin must have a working smart device with a wifi connection. The interface should be responsive and adjust to the size of the device.

4 Resources

ec.europa.eu/idabc/servlets/Doc3cc5.doc?id=18625