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| Software Requirements Specification |
| Election Management System VERSION 1.0 – Voter, Manager and Admin Modules |
| Project Functional Requirement Specification , Version 1 |
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| **Prepared by:** [**Team**](http://www.SoftwareTestingHelp.com) **8** |
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**Revision and Signoff Sheet**

**Document History**

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| Version | Date | Author | Description of Change |
| 1 | 03/05/2018 | Harsha Pitawela | First |
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**Approvers List** - To track who has reviewed and signoff on the Test plan

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| Name | Role | Approver / Reviewer | Approval / Review Date |
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**Reference Documents**

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| **Version** | **Date** | **Document Name** |
| 1.0 |  | Election Management System VERSION 1.0 – Voter, Manager and Admin Modules -FSD |
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# Purpose of the document:

This is **not** a project plan. It is a guide for system architecture and development, not for phasing, timelines or deliverables.

This document is divided into three sections:

• Project Overview

• Information Architecture

• Site Design

# 2. Project Overview:

## 2.1 Audience:

This document is intended as a complete guide for developers of EMS(Election Management System) 1.0. This document is specially designed for software engineers; non-specialists may find the document a useful point of reference. By reading this guide, you will learn based on which requirements the EMS will developed and what's behind some of the advanced features that are not always obvious at first sight.

## 2.2 Hardware and Hosting:

R & J’s servers will be hosted at ComeMummy’s site.

EMS will be hosted on two servers: One to host the actual website and (language)code, and the other to host the (emsdb) database.

# Information Architecture

There are three main user modules in the system namely voter, manager and admin. Irrespective of the user role, each user will need to use the common login interface defined in 3.1 Login Module to login to the EMS.

## 3.1 Login Module

Login module is an important module in EMS, where user will log in to the EMS using the username and password credentials that they gave when they registered their accounts.

Upon successful login the user should be able to view the panel that is designated to him based on his role i.e. voter, manager or admin.

### 3.1.1 Forgot Password Module

If a user forgets his password or username, he should be directed to a page where he could enter his registered e-mail address, to which the EMS will send an e-mail containing a password reset link.

### 3.1.2 Log Off Module

The user can click on log off button to log out of the EMS. If the user is inactive for 5 minutes, the system should automatically log the user out.

## 3.2 Voter Module

This module will support functions that voters will perform in the system, such as registering as voters, and voting in elections.

### 3.2.1 Voter Registration Module

New voters will use this module to register as voters for upcoming elections.

Following fields in the registration form would be mandatory for new voters:

* Username
* E-mail address
* Password & Confirm Password – must be matching
* Identity Type
* Identity No
* Date of Birth
* Address 1
* City
* Zip Code
* State
* Telephone No

### 3.2.2 Voter Status Module

Once registered, a voter’s status would be ‘Pending’ until modified by admin to either Registered, Rejected or On Hold status.

### 3.2.3 Voter Status View Module

Voter should be able to login and view the status of his application. But he cannot change any of the details he has provided during his registration. If the admin rejects or puts the status “on hold”, he should be able to see the comments made by the admin.

## Admin Module

Upon successful login, admin should be able to see the admin panel which includes following sub modules.

### 3.3.1 View Pending Voters Module

Admin should be able to view details of new voters who have just submitted a voter registration application.

### 3.3.2 Change Pending Voter Status Module

Upon inspection of details of new voters, admin should be able to change the status of pending voters to Registered, Rejected or On Hold status. If the status is changed to Rejected or On Hold, the admin should make a comment in the application for not changing the status to Registered.

### 3.3.3 E-mail Notification on Status Change

An automatic e-mail should be sent to the voter’s registered e-mail address upon status change. It should also include any comments admin has made if status is not changed to Registered status.

## Manager Module

Upon successful login, manager should be able to see the manager panel which includes following sub modules.

# Site Design

## 4.1 Aesthetic/HTML Requirements and Guidelines

EMS must deliver a compelling visitor experience. However, it cannot sacrifice security and confidentiality.

The web site ‘look’ must conform to the following requirements:

* The site should be HTML 4.0 compliant.
* All pages must download in less than 10 seconds over a 56k modem connection.- Performance requirement
* All pages must fit in a web browser displayed on a computer set to 640 x 480 pixels.
* All pages should be responsive and compatible with any mobile browser.
* All pages must use a web safe color palette.
* The site must be compatible with Internet Explorer 4, 5 and 5.5, and with Firefox 4-6, as well as Google Chrome 4.0 and later.
* The site must conform to the WAI Accessibility Guidelines outlined at <http://www.w3.org/TR/WAI-WEBCONTENT/> , wherever possible.
* All site pages should be available for search engine robots.
* All pages that use static images should be displayed correctly. **Guidelines**

# Sign-Off Document

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The following parties have read and agreed with this Requirements Definition document for the EMS application functionality.

After approval of this Requirements Definition phase, any significant changes in the scope of this project will require validation of existing project costs and schedules.

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Client

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Name Date

Project Manager

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Name Date

Business Lead

**Prepared by: Team 8**