Project Estimate

Election Management System VERSION 1.1 – Voter, Manager and Admin Modules

4/23/2018

Team 8

Client : R & J Professionals

**Version:** 1.2

**Created:** 03/05/2018

**Last Updated:** 04/23/2018

**Status:** Finalized

**Revision and Signoff Sheet**

**Document History**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Author | Description of Change |
| 1 | 03/05/2018 | Harsha Pitawela | First |
| 1.1 | 03/19/2018 | Harsha Pitawela | Second-includes estimate for Candidate and Party modules |
| 1.2 | 04/23/2018 | Harsha Pitawela | Final-includes estimate for Candidate, Party, Voter, Manager, Precinct, Election, Race modules |

**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**

|  |  |  |
| --- | --- | --- |
| **Version** | **Date** | **Document Name** |
| 1.0 |  | Election Management System VERSION 1.0 – Voter, Manager and Admin Modules -FSD |
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# Project Estimate

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Main Function | Sub Functions | Type | Fields | Field Names | Data Files | Complexity | RFP |
| * Login facility | * Login * Logoff * Forgot   Password | User Input, Database inquiry to search user details, Output views and displays | 6 | Username, password, lookup mapping, session | 2 | Simple + Simple + Average + Average | 3 + 3 + 4 + 4 = 14 |
| * Voter facility | * Voter Registration * Voter Status * Voter Status View | User input, password match, database update | 13 | Username, E-mail address, Password, Identity Type, Identity No, Date of Birth, Address 1, Address 2, City, Zip Code, State, Telephone No, Status | 1 | Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple | 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 39 |
| * Voting | User input, database update | 20 | Elec\_id1, race\_id1, cand\_id1, preference1, Elec\_id2, race\_id2, cand\_id2, preference2, Elec\_id3, race\_id3, cand\_id3, preference3, Elec\_id4, race\_id4, cand\_id4, preference4, Elec\_id5, race\_id5, cand\_id5, preference5, | 1 | Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple | 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 60 |
| * Address Change | User input, database update | 8 | Address 1, Address 2, City, State, Zip Code, Proof Id, Id No, Precinct | 1 | Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple | 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 24 |
| * Admin Facility | * View Pending Voters * Change Voter Status * E-mail Notifications | Database inquiry, database update | 3 | Status, comment, e-mail address | 1 | Simple + Average + Average | 3 + 4 + 4 = 11 |
| * Candidate Registration * Candidate View | Database inquiry, database update | 12 | Candidate ID, First Name, Last Name, Address 1, Address 2, City, State, Zipcode, Precinct, Date of Birth, Current Party, Status | 1 | Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple | 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 36 |
| * Party Registration * Party View | Database inquiry, database update | 4 | Part ID, Party Name, Date Created, Status | 1 | Simple + Simple + Simple + Simple | 3 + 3 + 3 + 3 = 12 |
| * User Registration * User View | Database inquiry, database update | 8 | First Name, Last Name, Username, Password, Phone, E-mail, Role, Status | 2 | Simple + Simple + Simple + Simple + Simple + Simple + Simple + Simple | 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 32 |
| * Precinct Registration * Precinct View | Database inquiry, database update | 5 | Precinct Name, City, County, Congressional District, State | 1 | Simple + Simple + Simple + Simple + Simple | 3 + 3 + 3 + 3 + 3 = 15 |
| * Election Registration * Election View | Database inquiry, database update | 2 | Election Title, Election Date | 1 | Simple + Simple | 3 + 3 = 6 |
| * Race Registration * Race View | Database inquiry, database update | 5 | Race Title, Race Type, Election Id, EGU(Electoral Geographical Unit) Id, Instruction | 1 | Simple + Simple + Simple + Simple + Simple | 3 + 3 + 3 + 3 + 3 = 15 |

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| Version | 1.0 | 1.1 | 1.2 | Difference |
| RFP SUM | 64 | 112 | 264 | 152 |
| Other factors (Complexity and DI) | 3 | 3 | 3 |  |
| AFP (Other factors x RFP) | 192 | 336 | 792 | 456 |
| Productivity Factor (PF, in hours) = 1 Engineer | 2 | 2 | 2 |  |
| **Overall Effort (AFP x PF)** | **384 hours** | **672 hours** | **1584 hours** | **912 hours** |