**\*Rough Draft Still Needs to be Finished**

Example Scenarios

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| --- | --- |
| Scenario Name: | creatingElection |
| Actors: | Steve:ElectionsOfficer |
| Flow of Events: | 1. Steve is an elections officer who needs to create an election for an upcoming election for a seat in local government so that voters can vote on it. 2. Steve decides to use the evote system and opens the evote system on his desktop computer and enters his username and password for his previously made account before clicking login. 3. At any time Steve can modify his profile so it can be kept up-to-date. 4. Steve navigates to the tools section on the homepage and hits create an election. 5. Steve then creates a political party for Republicans and another one for Democrats. 6. Steve then creates two election candidates and denotes one as a Republican and one as a Democrat. 7. Steve then creates an additional alternative candidate. 8. Steve then creates the electoral district for the election. 9. Steve then opens the election up for voting in the specified electoral district. 10. Voters vote in the election over a specified amount of time. 11. At any time Steve can access the system to view, delete and modify the election, electoral district, political parties or candidates. 12. Steve closes the election for voting once the time has expired and validates the election results. 13. Steve publishes the election results so that the public can view it and see who the winner is. 14. Steve can choose to create more elections or issues as needed. |

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| --- | --- |
| Scenario Name: | creatingIssue |
| Actors: | Steve:ElectionsOfficer |
| Flow of Events: | 1. Steve is an elections officer who needs to create an issue for an upcoming issue so that voters can vote on it and he decides to use the evote system. 2. Steve opens the evote system on his desktop computer and enters his username and password for his previously made account and then clicks login. 3. At any time Steve can modify his profile so it can be kept up-to-date. 4. Steve navigates to the tools section on the homepage and clicks creates an issue. 5. Steve then creates the electoral district for the specified issue. 6. Steve then creates the issue and then writes a brief description of the issue and specifies that the voter can choose yes or no. 7. Steve then opens the system up for voting in the specified electoral district. 8. Voters vote in the election over a specified amount of time. 9. At any time Steve can access the system to view, delete and modify the issue or electoral district. 10. Steve closes the system for voting once the time has expired. 11. The issue is then either given the vote of yes or no depending on how the voters voted. 12. Steve can choose to create more elections or issues as needed. |

Use Cases

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| --- | --- |
| Name | LogIn |
| ID | LOGIN-1 |
| Version | 1 |
| Author | Donovan Todd |
| Date | 9/6/2016 |
| Summary | This use case details the login steps of an Elections Officer; it is necessary to use the functions of the system. |
| Basic Path | 1. The system displays a prompt for the username and password. The login button is also displayed by the system. 2. The ElectionsOfficer enters the username and password and then his the login button. 3. The system locates the ElectionsOfficer’s user object in the database. The system verifies the ElectionsOfficer’s credentials and access rights. Then the system displays the overview of the ElectionsOfficer’s account. |
| Alternative Paths | N/A |
| Exception Paths | If in step 3 the ElectionsOfficer’s user object cannot be located in the database, the system displays the error message SystemUnAvailable and terminates the use case.  If in step 3 the system cannot verify ElectionOfficer’s access rights, the system dislays the error message UnknownUser and terminates the use case. |
| Extension Points |  |
| Triggers | The ElectionsOfficer decides to use the evote system. |
| Assumption | N/A |
| Pre-conditions | N/A |
| Post-conditions | The ElectionsOfficer’s user object is available to other use cases available to the same ElectionsOfficer. |

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| --- | --- |
| Name | LogOut |
| ID | LOGOUT-1 |
| Version | 1 |
| Author | Donovan Todd |
| Date | 9/6/2016 |
| Summary | This use case details the logout steps of an Elections Officer; it is necessary to exit the system. |
| Basic Path | 1. ElectionsOfficer selects the Logout button. 2. The system logs the ElectionOfficer out and displays the start page. |
| Alternative Paths | N/A |
| Exception Paths | N/A |
| Extension Points | N/A |
| Triggers | The ElectionsOfficer has elected to logout. |
| Assumption | N/A |
| Pre-conditions | The ElectionsOfficer is currently logged in and the session has not expired. The ElectionsOfficer’s user object is available. |
| Post-conditions | The user is no longer logged in. The application displays a prompt for the username and password. The login button is also displayed by the application. |

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| --- | --- |
| Name | Create a new Election |
| ID | CreateNewElection |
| Version | 1 |
| Author | Donovan Todd |
| Date | 9/6/2016 |
| Summary | Use case to create a new Election for an Elections Officer. |
| Basic Path | 1. The system displays the prompt to provide the following attributes of the new Election: name; Done and Cancel buttons are visible. 2. The ElectionsOfficer provides the required attribute values and clicks Done. 3. The system creates a new Election with the provided data and the current ElectionsOfficer is set as the owner of the new Election. 4. The system displays a screen showing all of the Election attributes provided so far. The screen displays three buttons: CreatePoliticalParty, Done, and Cancel, as well. 5. The ElectionsOfficer clicks Done. 6. The system displays a screen showing all of the Election attributes provided so far, as well as PoliticalParties provided so far. The screen displays three buttons: CreateCandidates, Done, and Cancel, as well. 7. The ElectionsOfficer clicks Done. 8. The system displays a screen showing all of the Election attributes provided so far as well as PolitcalParties and Candidates provided so far. The screen displays three buttons: CreateElectoralDistrict, Done, and Cancel, as well. 9. The ElectionsOfficer clicks Done. 10. The system displays a screen showing all of the Election attributes provided so far as well as PoliticalParties, Candidates, and ElectoralDistricts provided so far. The screen displays two buttons: Done and Cancel, as well. 11. The ElectionsOfficer clicks Done. |
| Alternative Paths | 1. In steps 2, 5, 7, 9, 11 if the user presses the Cancel button, the use case is terminated and no changes to the system are made. |
| Exception Paths | 1. In step 3, if the system determines that an Election with the user inputted name already exists, the system displays the error message DuplicateElectionName and the system goes back to step 1 in the Basic Path, retaining all previously provided attribute values. |
| Extension Points | 1. In step 4, if the user selects CreatePoliticalParty, the system executes the CreatePolitcalParty use case extension; at its completion, the system displays a screen showing all of the Election attributes and PoliticalParties provided so far and goes to step 5 in the Basic Path. 2. In step 6, if the user selects CreateCandidates, the system executes the CreateCandidates use case extension; at its completion, the system displays a screen showing all of the Election attributes, as well as PoliticalParties and Candidates provided so far and goes to step 7 in the Basic Path. 3. In step 6, if the user selects CreateElectoralDistrict, the system executes the CreateElectoralDistrict use case extension; at its completion, the system displays a screen showing all of the Election attributes, as well as PoliticalParties, Candidates, and ElectoralDistricts provided so far and goes to step 7 in the Basic Path. |
| Triggers | The ElectionsOfficer has elected to create a new Election. |
| Assumption | N/A |
| Pre-conditions | The ElectionsOfficer is currently logged in and the session has not expired. The ElectionsOfficer’s user object is available. |
| Post-conditions | The new Election with the defined attributes is available for use. Its owner is the current ElectionsOfficer and its PoliticalParties, Candidates, and ElectoralDistricts are set as specified. |

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| --- | --- |
| Name | Create a new Issue |
| ID | CreateNewIssue |
| Version | 1 |
| Author | Donovan Todd |
| Date | 9/6/2016 |
| Summary | Use case to create a new Issue for an Elections Officer. |
| Basic Path | 1. The system displays the prompt to provide the following attributes of the new Election: name and description; Done and Cancel buttons are visible. 2. The ElectionsOfficer provides the required attribute values and clicks Done. 3. The system creates a new Issue with the provided data and the current ElectionsOfficer is set as the owner of the new Issue. 4. The system displays a screen showing all of the Issue attributes provided so far. The screen displays three buttons: CreateElectoralDistrict, Done, and Cancel, as well. 5. The ElectionsOfficer clicks Done. 6. The system displays a screen showing all of the Issue attributes provided so far as well as ElectoralDistricts provided so far. The screen displays two buttons: Done and Cancel, as well. 7. The ElectionsOfficer clicks Done. |
| Alternative Paths | 1. In steps 2, 5, 7, if the user presses the Cancel button, the use case is terminated and no changes to the system are made. |
| Exception Paths | 1. In step 3, if the system determines that an Issue with the user inputted name already exists, the system displays the error message DuplicateIssueName and the system goes back to step 1 in the Basic Path, retaining all previously provided attribute values. |
| Extension Points | 1. In step 4, if the ElectionsOfficer selects CreateElectoralDistrict, the system executes the CreateElectoralDistrict use case extension; at its completion, the system displays a screen showing all of the Issue attributes and ElectoralDistricts provided so far and goes to step 5 in the Basic Path. |
| Triggers | The ElectionsOfficer has elected to create a new Issue. |
| Assumption | N/A |
| Pre-conditions | The ElectionsOfficer is currently logged in and the session has not expired. The ElectionsOfficer’s user object is available. |
| Post-conditions | The new Election with the defined attributes is available for use. Its owner is the current ElectionsOfficer and its ElectoralDistricts are set as specified. |

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| --- | --- |
| Name | Create a new Electoral District |
| ID | CreateNewElectoralDistrict |
| Version | 1 |
| Author | Donovan Todd |
| Date | 9/6/2016 |
| Summary | An extension use case to create a new Electoral District to an Issue or Election; used by CreateNewIssue and CreateNewElection use cases |
| Basic Path | 1. The system displays the prompt to enter: name, (\*information); FindElectoralDistrict, Done and Cancel buttons are visible. 2. The ElectionsOfficer provides the required information and clicks Done. 3. The system creates a new ElectoralDistrict with the provided data or uses an existing one, if one was selected during the FindElectoralDistrict use case execution. The ElectoralDistrict is linked to the Issue or Election being created or modified in the referring use case. The system displays a new screen in which all the created ElectoralDistricts are shown. The screen displays 3 buttons: CreateElectoralDistrict, Done and Cancel as well. |
| Alternative Paths | 1. In step 2 and 3, if the user presses the Cancel button, the use case is terminated and no changes to the system are made. 2. In step 2, if the user selects the FindElectoralDistrict button, the system executes the FindElectoralDistrict use case; at its resolution, the system returns to step 2 in the Basic Path, and if the ElectionsOfficer selected one of the already created ElectoralDitricts during the execution of the FindElectoralDistrict use case, all of the attributes of the selected ElectoralDistrict are preset as if entered by the user; otherwise no attributes are preset. 3. In step 3, if the ElectionsOfficer selects the CreateElectoralDistrict button, the system goes back to step 1 in the Basic Path. |
| Exception Paths | 1. In step 3, if the system determines that an ElectoralDistrict with the user inputted name already exists, the system displays the error message DuplicateElectoralDistrictName and the system goes back to step 1 in the Basic Path, retaining all previously provided attribute values. |
| Extension Points | 1. In step 3, if the ElectionsOfficer selects FindElectoralDistrict, the system executes the FindElectoralDistrict use case extension; at its completion, the system displays a screen showing all of the ElectoralDistricts provided so far and goes to step 2 in the Basic Path. |
| Triggers | The ElectionsOfficer has elected to create a new Electoral District within the CreateNewIssue or CreateNewElection use cases. |
| Assumption | N/A |
| Pre-conditions | The ElectionsOfficer is currently logged in and the session has not expired. The ElectionsOfficer’s user object is available. The Election or Issue from the extended use case is available. |
| Post-conditions | A new ElectoralDistrict is added to the Issue or Election. |

\*Other Create cases would be similar to this just want to verify am doing it right.

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| --- | --- |
| Name | Find an existing Electoral District |
| ID | FindElectoralDistrict |
| Version | 1 |
| Author | Donovan Todd |
| Date | 9/6/2016 |
| Summary | An extension use case to find an existing Electoral District; used by CreateNewElectoralDistrict use cases |
| Basic Path | 1. The system displays all created ElectoralDistricts. Done and Cancel buttons are also visible. 2. The ElectionsOfficer selects a created ElectoralDistricts and clicks Done. |
| Alternative Paths | 1. In step 1, if the user presses the Cancel button, the use case is terminated and no changes to the system are made. |
| Exception Paths | N/A |
| Extension Points | N/A |
| Triggers | The ElectionsOfficer has elected to find an already created Electoral District within the CreateNewElectoralDistrict use case. |
| Assumption | N/A |
| Pre-conditions | The ElectionsOfficer is currently logged in and the session has not expired. The ElectionsOfficer’s user object is available. The CreateNewElectoralDistrict from the extended use case is available. |
| Post-conditions | An already created ElectoralDistrict is added to CreateNewElectoralDistrict. |

\*Other Find cases would be similar to this just want to verify am doing it right.

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| --- | --- |
| Name | View an ElectoralDistrict |
| ID | ViewElectoralDistrict |
| Version | 1 |
| Author | Donovan Todd |
| Date | 9/6/2016 |
| Summary | A use case to show all existing Electoral District. |
| Basic Path | 1. The system displays all created ElectoralDistricts. Each ElectoralDistrict has a visible modify and delete button. A Cancel button is also visible. |
| Alternative Paths | 1. In step 1, if the user presses the Cancel button, the use case is terminated and no changes to the system are made. |
| Exception Paths | N/A |
| Extension Points | 1. In step 1, if the ElectionsOfficer selects modify, the system executes the ModifyElectoralDistrict use case extension; at its completion, the system displays a screen showing all of the ElectoralDistricts provided so far and goes to step 1 in the Basic Path. 2. In step 1, if the ElectionsOfficer selects delete, the system executes the DeleteElectoralDistrict use case extension; at its completion, the system displays a screen showing all of the ElectoralDistricts provided so far and goes to step 1 in the Basic Path. |
| Triggers | The ElectionsOfficer has elected to view an already created Electoral District. |
| Assumption | N/A |
| Pre-conditions | The ElectionsOfficer is currently logged in and the session has not expired. The ElectionsOfficer’s user object is available. The ElectoralDistrict user objects are available. |
| Post-conditions | N/A |

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| --- | --- |
| Name | Modify an existing Electoral District |
| ID | ModifyElectoralDistrict |
| Version | 1 |
| Author | Donovan Todd |
| Date | 9/6/2016 |
| Summary | An extension use case to modify an existing Electoral District; used by ViewElectoralDistrict use case. |
| Basic Path | 1. The system displays the prompt to enter: name, (\*information); Done and Cancel buttons are visible. 2. The ElectionsOfficer provides the required information and clicks Done. 3. The system modifies an existing ElectoralDistrict with the provided data, if one was selected during the FindElectoralDistrict use case execution. The system displays a new screen in which all the created ElectoralDistricts are shown. The screen displays 2 buttons: Done and Cancel as well. |
| Alternative Paths | 1. In step 1 and 3, if the user presses the Cancel button, the use case is terminated and no changes to the system are made. |
| Exception Paths | 1. In step 3, if the system determines that an ElectoralDistrict with the user inputted name already exists, the system displays the error message DuplicateElectoralDistrictName and the system goes back to step 1 in the Basic Path, retaining all previously provided attribute values. |
| Extension Points |  |
| Triggers | The ElectionsOfficer has elected to modify an exisitng Electoral District within the ViewElectoralDistrict use case. |
| Assumption | N/A |
| Pre-conditions | The ElectionsOfficer is currently logged in and the session has not expired. The ElectionsOfficer’s user object is available. The ElectoralDistricts from the extended use case is available. |
| Post-conditions | A modified ElectoralDistrict user objects is now available to other use cases available to the same ElectionsOfficer. |

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| --- | --- |
| Name | Delete an existing Electoral District |
| ID | ModifyElectoralDistrict |
| Version | 1 |
| Author | Donovan Todd |
| Date | 9/6/2016 |
| Summary | An extension use case to delete an existing Electoral District; used by ViewElectoralDistrict use case. |
| Basic Path | 1. The system displays the prompt with the buttons Done and Cancel. 2. The ElectionsOfficer clicks Done. 3. The system deletes the selected ElectoralDistrict, The system displays a new screen in which all the created ElectoralDistricts are shown. The screen displays 2 buttons: Done and Cancel as well. |
| Alternative Paths | 1. In step 1 and 3, if the user presses the Cancel button, the use case is terminated and no changes to the system are made. |
| Exception Paths | N/A |
| Extension Points | N/A |
| Triggers | The ElectionsOfficer has elected to delete an exisitng Electoral District within the ViewElectoralDistrict use case. |
| Assumption | N/A |
| Pre-conditions | The ElectionsOfficer is currently logged in and the session has not expired. The ElectionsOfficer’s user object is available. The ElectoralDistricts from the extended use case is available. |
| Post-conditions | The deleted ElectoralDistrict user objects is no longer available to other use cases available to the same ElectionsOfficer. |

**\*Other View/Modify/Delete cases would be similar to this just want to verify am doing it right.**

**Still Need:**

**Open System / Close System / Validate (How?) / Publish / Update Profile**