

Sprint Backlog

Team 22 | December 6 2019

Assignee:

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Priority:

High

User stories

#1: BUG 1

- As the product owner, I want the OPL audit process to get fixed when tie occurs. In other words, the current tie handling functionalities of OPL need to be fixed, so the election can operate properly.

- Acceptance Criteria:

- Pass ALL unit test of OPL tie handling. (Unit test for Audit() function)
- Pass ALL functional/integration test with input has a tie occurs. (input\_OPL\_tie\_1.csv, input\_OPL\_tie\_2.csv,...)
- Tie handling is fairly random.
- All errors in Audit() and TieHandling() are fixed if having any.

- Effort: Small

- Status: Not Started

#2: BUG 2

- As the product owner, I want the CPL audit process to get fixed when tie occurs. In other words, the current tie handling functionalities of CPL need to be fixed, so the election can operate properly.

- Acceptance Criteria:

- Pass ALL unit test of CPL tie handling. (Unit test for Audit() function)
- Pass ALL functional/integration test with input has a tie occurs. (input\_CPL\_tie\_1.csv, input\_CPL\_tie\_2.csv,...)
- Tie handling is fairly random.
- All errors in Audit() and TieHandling() are fixed if having any.

- Effort: Small

- Status: Not Started

#3: BUG 3

- As the product owner, I want the report.ExportToFile() function for OPL to get fixed. Currently, the function is NOT exporting enough information (e.g how many votes a candidate or party had, order of ballot of being received,...). When the function gets fixed, the election report can provide correct information to users.

- Acceptance Criteria:

- Pass ALL unit test of OPL's Report Export To File. (Unit test for ExportToFile() function)
- Developers provide a consistent "content" format for ALL OPL output files.
- Developers provide a consistent "name" format for ALL OPL output files.
- All errors in ExportToFile() are fixed if having any.
- Include votes a candidate or party had
- Include order of ballot of being received

- Effort: Small

- Status: Not Started

#4: BUG 4

- As the product owner, I want the report.ExportToFile() function for CPL to get fixed. Currently, the function is NOT exporting enough information (e.g how many votes a candidate or party had, order of ballot of being received,...). When the function gets fixed, the election report can provide correct information to users.

- Acceptance Criteria:

- Pass ALL unit test of CPL's Report Export To File. (Unit test for ExportToFile() function)
- Developers provide a consistent "content" format for ALL CPL output files.
- Developers provide a consistent "name" format for ALL CPL output files.
- All developers MUST look at the output files manually and agree that is correct format.
- All errors in Export To File are fixed if having any.
- Include votes a candidate or party had
- Include order of ballot of being received

- Effort: Small

- Status: Not Started

#5: BUG 5

- As the product owner, I want the report.Display() function for OPL to get fixed. Currently, the function is NOT displaying enough information and has some errors (e.g column not aligned, missing information). When the function gets fixed, the election report can provide correct information to users.

- Acceptance Criteria:

- Pass ALL unit test of OPL's Report Display. (Unit test for Display() function). Most of the time, those tests are manual tests.
- Developers provide a consistent "content" format when displaying the OPL voting type.
- All missing information are included (See description document for more information about what should be included while displaying)
- All errors in Displaying are fixed if having any.
- Column are aligned

- Effort: Small

- Status: Not Started

#6: BUG 6

- As the product owner, I want the report.Display() function for CPL to get fixed. Currently, the function is NOT displaying enough information and has some errors (e.g column not aligned, missing information, POINTER EXCEPTION occurs). When the function gets fixed, the election report can provide correct information to users.

- Acceptance Criteria:

- Pass ALL unit test of CPL's Report Display. (Unit test for Display() function). Most of the time, those tests are manual tests.
- Developers provide a consistent "content" format when displaying the CPL voting type.
- All missing information are included (See description document for more information about what should be included while displaying)
- All errors in Displaying are fixed if having any.
- Fix POINTER EXCEPTION (occur either in Audit() or Display())
- Column are aligned

- Effort: Small

- Status: Not Started

#7: BUG 7

- As the product owner, I want the UNIT TESTS and SYSTEM TESTS to be provided to cover ALL possible scenarios and functionalities (tests were missed from Project1). So the voting system can be fully tested.

- Acceptance Criteria:

- ALL possible test cases are provided.
- ALL possible input for test cases are provided.
- Testing log file is provided and included descriptions of each test case.
- Tests for Audit() are included
- Tests for HandlingTie() are included

- Effort: Medium

- Status: In progress

#8: Search Input File and GUI search

As <Election Official> I want to be able to search for a CSV input file and use a nice graphic interface to search for the input file.

Acceptance Criteria:

- Graphic Interface is implemented and easy to use
  - Graphic Interface has the feature to filter the only files with the selected file extension.
- Test the return of Search to make sure the file selected is corrected

Effort: Large

Status: Not Started

To do

Update UnitTest

Update UnitTest

Check Automatic & Manual Test

Check Automatic & Manual Test

Adding Functional /System /Integration Tests

UnitTest and Test Logs

Manually testing GUI

UnitTest and Test Logs

Manually testing GUI

In progress

Fix Audit() OPL when tie occur, make sure Audit() are fully tested

Test Log for OPL

Test Log for CPL

Fix ExportToFile() OPL, include votes a candidate or party had, order of ballot of being received

Fix ExportToFile() CPL, include votes a candidate or party had, order of ballot of being received

Fix OPL Display

Fix CPL Display

Refactoring terminal UI functionalities

Complete

Fix Audit() CPL when tie occur, make sure Audit() are fully tested

Does Manual Test

Change the Display Format

Does Manual Test

Change the Display Format

Adding Unit Tests Implementation

Adding System Test Implementation

Adding Unit Tests Inputs

Adding System Test Inputs

Documentation Doxygen

Adding MVC model to Voting System

Impementing GUI functionalities (e.g button.OnSelect())

Researching NANOGUI for our nice graphical user interface

Design GUI (.xml or using Graphical Library) for File Search

Error Checking if File Selected is not in Correct Format (VotingSystemController)

