|  |  |
| --- | --- |
| Whitireia Logo_2010 | **Faculty of Business and Information Technology** |

**Semester 2 2017**

**IT6x23**

**Software Development Methods**

**Programming Assignment**

**Epic Voting System**

**Author:** Taylor Everett

**Student ID:** 21600252

**Due Date:** 20th October 2017

# Project Status Report

|  |  |  |
| --- | --- | --- |
|  | **Specification/feature** | **Status** |
| Staff | Staff Voting functions |  |
| 1 | Staff class is modified correctly, to store information for password and date of voting. | Complete |
| 2 | User is prompted to enter the staff id & password.  User input must be validated. An appropriate error message is displayed if this check fails and the user is prompted to re-enter. | Complete |
| 3 | If a non-existent staff id is entered more than 3 times the system goes back to the main screen. | Complete |
| 4 | System checks for a staff who has already voted.  If the staff has voted already, an appropriate message is displayed and program reverts to main screen | Complete |
| 5 | System records date for when staff voted correctly | Complete |
| 6 | System checks date correctly to ensure voting can only take place within the 7 days voting period allowed. | Complete |
| 7 | If the staff is eligible to vote, a list of candidates are displayed and with a prompt to enter the candidate code. | Complete |
| 8 | The program asks the staff to confirm the candidate selection before updating the vote. If the staff cancels the selection, the program reverts to the candidate list. | Complete |
| 9 | On updating the vote, the program displays a confirmation message and reverts to the main screen. | Complete |
| 10 | This transaction is saved to file – candidate vote count is incremented by one, staff voted status is set to true and date of voting is recorded. | Complete |
| 11 | If the staff or candidate data file cannot be written to, an appropriate error message is displayed. | Complete |

|  |  |  |
| --- | --- | --- |
|  | **Specification/feature** | **Status** |
|  | Administration functions |  |
| 1 | System administrator details (id, name, username & password) stored and retrieved from file. | Complete |
| 2 | Upon a successful login, system administrator will have options to see voting results as well as options to update candidate, staff and admin accounts. | Complete |
| 3 | System administrator can add, view and delete admin account from the list stored in Admin.txt” file. | Complete |
| 4 | System administrator can view, add and delete staff information | Complete |
| 5 | System administrator can view, add and delete candidate information | Complete |
| 6 | System administrator can Add, view and update the date range for voting can take place. | **Incomplete** |
| 7 | System administrator can produce report to display the voting results (display candidate code, name, department and showing total number of votes for each candidate as well as statistical percentages (total and for each candidate) | Complete |
| 8 | System administrator can produce report for list of staff that have voted (including date voted) and staff that did not place a vote. | Complete |

# Test Plan

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test ID | Item | Test Type | Input Data | Expected Result | Actual Output | Pass/ Fail | Comment | Action |
| 1 | Application runs without any errors | Valid | User  Runs  App | Application runs without any errors | Successful | Pass | Welcomes and ask for “v” or “a” | Application runs |
| 2 | Staff login to vote | Valid | User enters “username”  “password” | User is asked for staff ID then password | Successful | Pass | Accepts input | Begin voting |
| 2a | Staff login 3 failed attempts | Invalid | User enters wrong “username”  “password” | After 3 failed ties in either user is sent back to start | Successful | Pass | Uses unhandled input or wrong info | sent back to start |
| 3 | Staff Votes and is confirmed | Valid | User Enters candidate code and confirms | User is told their vote and asked to confirm and is saved | Successful | Pass | Shows user their input before writing | Vote is saved for code and user marked as voted |
| 4 | log in as Admin | Valid | User enters “username”  “password” | User is asked for Admin Username  The password | Successful | Pass | Accepts input | Begin Admin  panel |
| 5 | Admin Panel allows admin to input to view all reports | Valid | User enters  “V” or “S” or “T” | User is shown the voting results then staff report and deadline time and date | Successful | Pass | Reports Show data | Print Reports |
| 6 | Admin Update Candidates | Valid | User Enters “UC” | User is shown all candidate Information and is given add and delete options | Successful | Pass | Admin can see all candidate data | Prints data and gives more options |
| 6a | Admin Update Candidates add | Valid | User Enters “a” | User can add to the candidate.txt by giving a code and name. | Successful | Pass | Takes user input and adds to file | Writes new line |
| 6b | Admin Update Candidates  delete | Valid | User Enters  “d” | User can delete a candidate by code. | Successful | Pass | Uses user input to delete line | Writes new file without line |
| 7 | Admin Update Admin | Valid | User Enters “UA” | User is shown all admin Information and is given add and delete options | Successful | Pass | Admin can see all admin data | Prints data and gives more options |
| 7a | Admin Update add Admin | Valid | User Enters  “a” | User can add to the admin.txt by giving a ID, name, username and password. | Successful | Pass | Takes user input and adds to file | Writes new line |
| 7b | Admin Update delete Admin | Valid | User Enters  “d” | User can delete a admin by ID. | Successful | Pass | Uses user input to delete line | Writes new file without line |
| 8 | Admin Update Staff | Valid | User Enters “US” | User is shown all Staff Information and is given add and delete options | Successful | Pass | Admin can see all Staff data | Prints data and gives more options |
| 8a | Admin Update add Staff | Valid | User Enters  “a” | User can add to the admin.txt by giving a ID, name, and password. | Successful | Pass | Takes user input and adds to file | Writes new line |
| 8b | Admin Update delete Staff | Valid | User Enters  “d” | User can delete a Staff by ID. | Successful | Pass | Uses user input to delete line | Writes new file without line |
| 9 | Exit admin continue voting | Valid | User Enters  “C” | User is brought back to the start and voting can continue | Successful | Pass | Closes admin Panel | Ends admin Panel |
| 10 | Stop program | Valid | User Enters  “Stop” | Program stops and doesn’t return to the start | Successful | Pass | Closes voting | Ends program |

# Unit Testing

|  |  |  |
| --- | --- | --- |
| User inputs “v”  User inputs “201201”  then “123”  ID and password for Mike Long  was able to log in and start voting using staff.txt | C:\Users\Death Sythe\Desktop\code.png | C:\Users\Death Sythe\Desktop\unit.png |