**TEST SPECIFICATION**

**UNI VOTE” - a college voting system**

**PROJECT MEMBERS:**

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**1.0 Introduction**

This section provides an overview of the entire test document. This document describes both the test plan and the test procedure.

**1.1 Goals and objectives**

Overall goals and objectives of the test process are described.   
Finding defects which may get created by the while developing the software. Gaining confidence in and providing information about the level of quality and to prevent defects. To make sure that the result meets the business and user requirements.

**2.0 Test Cases**

This section describes the project management issues that are required to properly execute effective tests.

* 1. A complete list of system test cases

|  |  |
| --- | --- |
| Test Case 1: End-User Register | |
| Use Cases: UC-1 | |
| Techniques | Test Results and Assessments |
| End-User fills in all required details of registration form | The system creates new account and stores it in the database |
| End-User already has an account that exists | the system will not create another account |
| End\_User does not fill in all the required fields | The system notifies user to fill in required fields |
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| Test Case 2: End-User/Admin Login | |
| Use Cases: UC-1,UC-2 | |
| Techniques | Test Results and Assessments |
| End-User insert their correct username and password | The system verifies with the database and allow access to user |
| End-User insert incorrect username and password | The system redirects to login page |
| End-User enter correct username and password | Admin need to change status of account |
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| Test Case 3: End-User Vote | |
| Use Cases: UC-3 | |
| Techniques | Test Results and Assessments |
| End-User select candidate and submit | The system verifies with the database and insert vote to candidadte in database |
| End-User doesn’t select candidate and submit | The system notifies to select candidate |
| End-User already voted | The system shows already voted |
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| Test Case 4: Admin Votes | |
| Use Cases: UC-4 | |
| Techniques | Test Results and Assessments |
| Admin View | System shows the result |
| Admin Reset | System reset votes in database |

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| --- | --- |
| Test Case 5: Admin Voters | |
| Use Cases: UC-4 | |
| Techniques | Test Results and Assessments |
| Admin View | System shows the voters |
| Admin add voters fill details | System adds voter account into database |
| Admin add voter but account already exists | System will not add voter |
| Admin edit voters | System edits voter account details into database |
| Admin remove voter | System will remove voter from database |
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| Test Case 6: Admin Positions | |
| Use Cases: UC-4 | |
| Techniques | Test Results and Assessments |
| Admin View | System shows the positions |
| Admin add positions | System add positions into database |
| Admin edit positions | System edit positions into database |
| Admin remove positions | System will remove positions from database |
|  |  |
| Test Case 7: Admin Candidate | |
| Use Cases: UC-4 | |
| Techniques | Test Results and Assessments |
| Admin View | System shows the candidate |
| Admin add candidate fill details | System add candidate into database |
| Admin edits canidate | System edit candidate details into database |
| Admin remove candidate | System will remove candidate from database |
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| Test Case 8: Candidate Register | |
| Use Cases: UC-1 | |
| Techniques | Test Results and Assessments |
| Candidate fills in all required details of registration form | The system creates new candidate row and stores it in the database |
| Candidate does not fill in all the required fields | The system notifies candidate to fill in required fields |

**Traceability of test cases to use cases:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Use Case | Test Cases | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | x | x |  |  | x | x | x | x |
| 2 |  | x | x |  | x |  |  |  |
| 3 |  |  | x | x |  |  |  |  |
| 4 |  |  |  | x | x | x | x |  |