

**Department of Engineering**

# Faculty of Science

**SENG 3210 – Applied Software Engineering**

**System testing report**

1. **List of the test cases**

Describe the list of test cases that need to be executed to assure that the developed system works fine and meets the required functional and non-functional requirements. Please, give a unique identifier for each use case.

| **Test case ID** | **Title** |
| --- | --- |
| **TC\_01** | Logging in as a voter |
| **TC\_02** | Logging in as a manager |
| **TC\_03** | Voting on a topic |
| **TC\_04** | Creating a topic |
| **TC\_05** | Viewing the topic list as a voter |
| **TC\_06** | Viewing the statistics list as a manager |

1. **Detailed report for the test cases**
   1. **Logging in as a voter**

| **Test case ID** | TC\_01 |
| --- | --- |
| **Title** | Logging in as a voter |
| **Description** | The voter opens the app to the login screen and inputs their credentials. The app should then open up the voter dashboard. |
| **Preconditions** | PRE-1: The voter should have already existing credentials.  PRE-2: The voter’s credentials possess only voter permissions. |
| **Postconditions** | POST-1: The app should be viewing the Voter Dashboard activity.  POST-2: The login credentials have been authenticated |
| **Running steps** | 1. Open the app 2. Press the username text-field 3. Input voter username 4. Press the password text-field 5. Input voter password 6. Press the login button |
| **Actual output** | Provide snapshots and descriptions of the actual output of the system when running the test case. |

* 1. **Logging in as a manager**

| **Test case ID** | TC\_02 |
| --- | --- |
| **Title** | Logging in as a manager |
| **Description** | The manager opens the app to the login screen and inputs their credentials. The app should then open up the manager dashboard. |
| **Preconditions** | PRE-1: The manager should have already existing credentials.  PRE-2: The manager’s credentials possess only manager permissions. |
| **Postconditions** | POST-1: The app should be viewing the Manager Dashboard activity.  POST-2: The login credentials have been authenticated |
| **Running steps** | 1. Open the app 2. Press the username text-field 3. Input manager username 4. Press the password text-field 5. Input manager password 6. Press the login button |
| **Actual output** | Provide snapshots and descriptions of the actual output of the system when running the test case. |

* 1. **Voting on a topic**

| **Test case ID** | TC\_03 |
| --- | --- |
| **Title** | Voting on a topic |
| **Description** | A voter in the Voter Dashboard activity will select a topic to vote on. Once the topic activity opens the voter will cast a vote for the decision of their choice and close the topic. |
| **Preconditions** | PRE-1: The voter must be successfully logged in  PRE-2: Cannot be a manager  PRE-3: Currently at the Voter Dashboard Activity |
| **Postconditions** | POST-1: The votes of the voter are successfully sent to the database |
| **Running steps** | 1. The voter selects a topic 2. The voter now casts votes on the options available |
| **Actual output** | Provide snapshots and description of the actual output of the system when running the test case |

* 1. **Creating a topic**

| **Test case ID** | TC\_04 |
| --- | --- |
| **Title** | Creating a topic |
| **Description** | Manager is in the Manager Dashboard and goes to the Create Topic activity. The manager then fills out each of the fields for a topic and then presses the create topic button to submit the topic. |
| **Preconditions** | PRE-1: Manager is successfully logged in  PRE-2: The manager is at the Manager dashboard |
| **Postconditions** | POST-1: The topic is added to the database and available to vote on  POST-2: The manager should be back at the Manager Dashboard |
| **Running steps** | 1. The manager presses the create topic button 2. The manager fills out the topic title 3. The manager selects the date for the topic to expire 4. The manager fills out the option field and presses add for each option desired 5. Presses the create topic button |
| **Actual output** | Provide snapshots and description of the actual output of the system when running the test case |

* 1. **Test case title**

| **Test case ID** | Provide a unique identifier for each test case. |
| --- | --- |
| **Title** | Provide a descriptive name for each use case. |
| **Description** | Write the description of the use case. |
| **Preconditions** | Mention the prerequisites required to run the use case. |
| **Postconditions** | Describe the state of the system after executing the test case. |
| **Running steps** | Describe the detailed testing steps. |
| **Actual output** | Provide snapshots and description of the actual output of the system when running the test case |

* 1. **Test case title**

| **Test case ID** | Provide a unique identifier for each test case. |
| --- | --- |
| **Title** | Provide a descriptive name for each use case. |
| **Description** | Write the description of the use case. |
| **Preconditions** | Mention the prerequisites required to run the use case. |
| **Postconditions** | Describe the state of the system after executing the test case. |
| **Running steps** | Describe the detailed testing steps. |
| **Actual output** | Provide snapshots and description of the actual output of the system when running the test case |