SOFTWARE REQUIREMENT DOCUMENT FOR GROUP 1.

ELECTRONIC VOTING SYSTEM.

BASIC REQUIREMENTS:

- This software should be able to provide a user-friendly interface that is simple, and easy to use.
- This software should allow a user to safely deliver a vote for at most one candidate in an election.
- This software should allow an administrator to view total votes of any individual or group participating in an election.

OVERALL OVERVIEW OF FUNCTIONS REQUIRED BY STUDENT AND ADMINISTRATIVE USAGE:
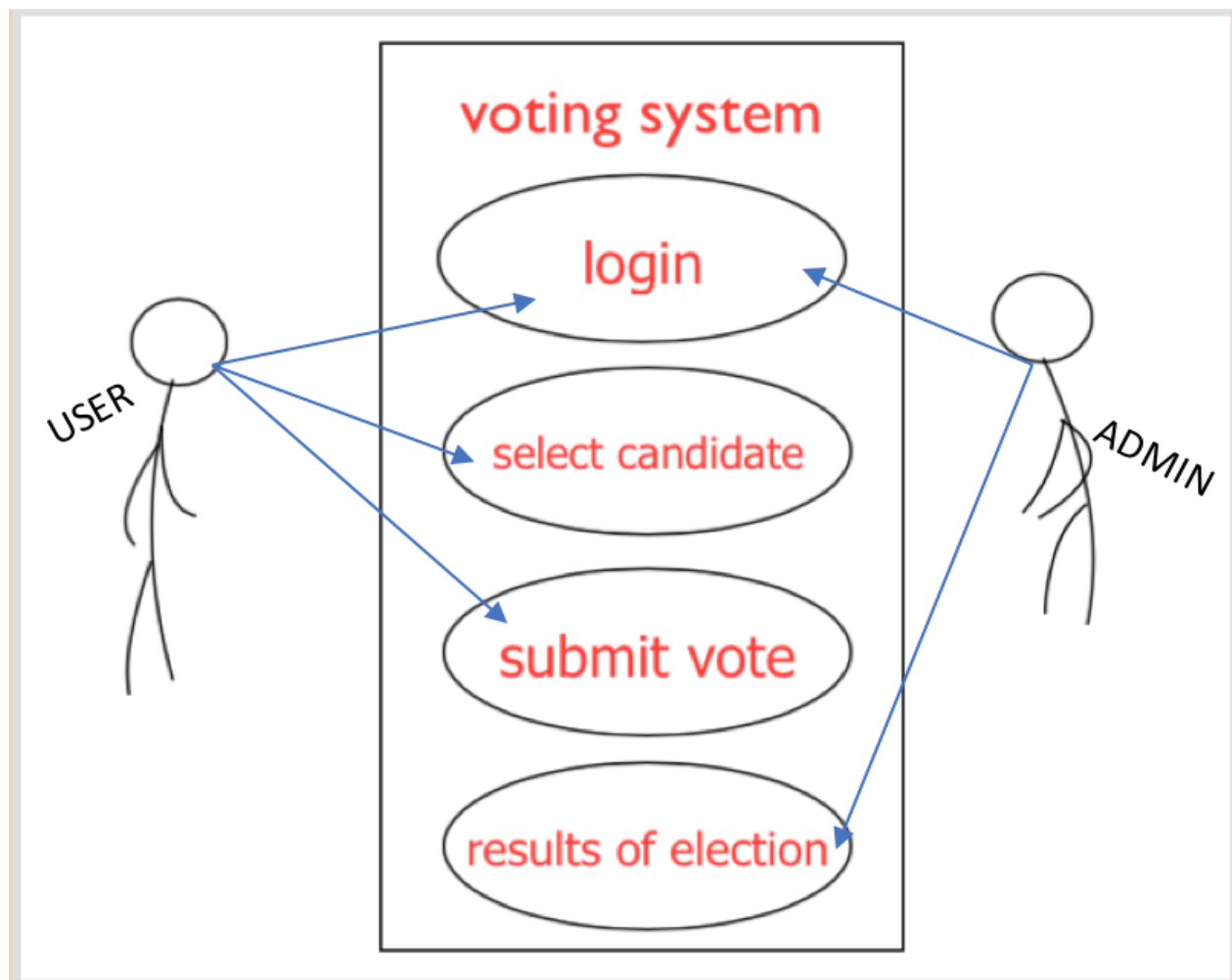
STUDENT VOTER:

- Every student should be able to securely login into the system using a provided ID and passcode which will be generated and given to them.

- There should be a simple user-interface after the student has successfully logged in which will provide the list of competing candidates to the student to select from. This page should have a subsequent vote or submit button which will finally feed the count system with the student's selection after being clicked.

- After the confirmation is done, a simple feedback should show that the voting process has been successfully completed.

ADMINISTRATOR:

- There should be a selection point to allow login for administrative access.
- After an administrator has successfully logged in, he/she should then come to a simple easy to comprehend page to read final results after voting is completed.

DESCRIPTION OF REQUIREMENTS USING THE USE-CASES APPROACH.

USE-CASE DIAGRAM

USER:

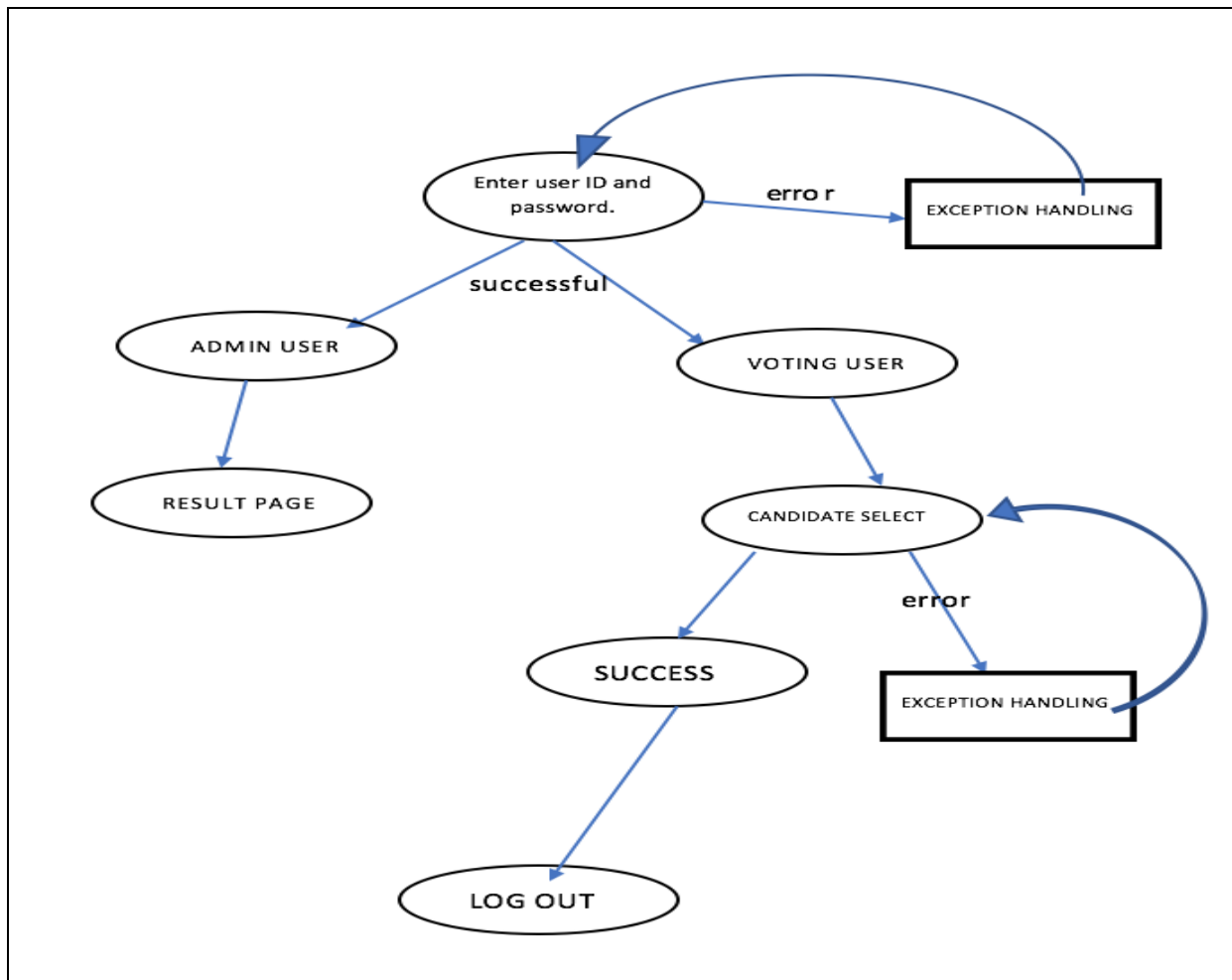| FUNCTION:	SCENARIOS:
LOGIN:	1. The first page a voter encounters is the login page where he is required to enter the a his/ her student ID together with a provided passcode to be able to access the candidate selection page.
SELECT CANDIDATE:	2. Upon successfully login in, a user is taken to the core part of the program which is the part where a candidate may select the candidate of choice and submit vote.
SUBMIT VOTE:	3. After voter has selected the candidate of choice the voter is directed to click on a submit button at the base of the same page candidates are displayed for selection. After the submit button is click the choice is processed as increment to the selected candidate.

ADMINISTRATOR:

FUNCTIONS:	SCENARIOS:
LOGIN:	1. Just like the voter the administrator also enters a passcode and a user ID but also has to check the administrator box beside the user ID pane to be able to access the administrative page with his/her details.
ELECTION RESULT PAGE:	2. After successfully login in as an administrator the current user is shown the administrator's page where the final results can be viewed for all candidates in the contest.

EXCEPTION HANDLING:	
LOGIN:	1. In the case that any user inputs wrong account details, a notice will be shown that will indicate the section the user has to correct.
CANDIDATE SELECTION PAGE:	2. When a user (voter) clicks the submit button on this page without selecting any candidate the user is prompted via a text notice so select one candidate before submitting vote.

ACTIVITY DIAGRAM

CONCLUSION:

The overall look and interaction of this application should be very simple straightforward and easy-to-use. In light of this, any user should require close to no assistance whilst using this voting system.