Project Development Phase

No. Of Functional Feature Included In The Solution
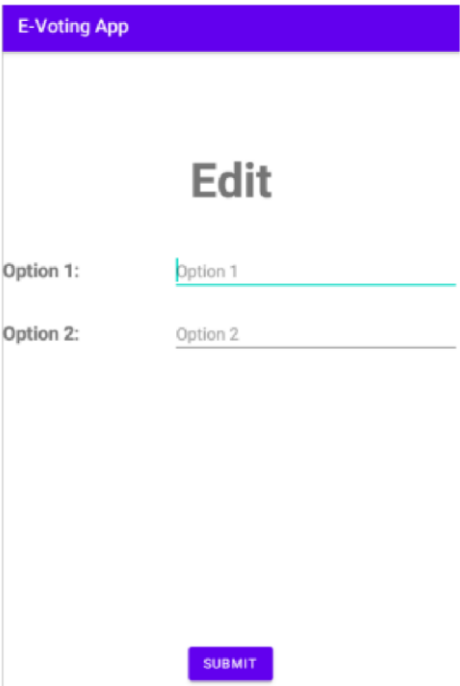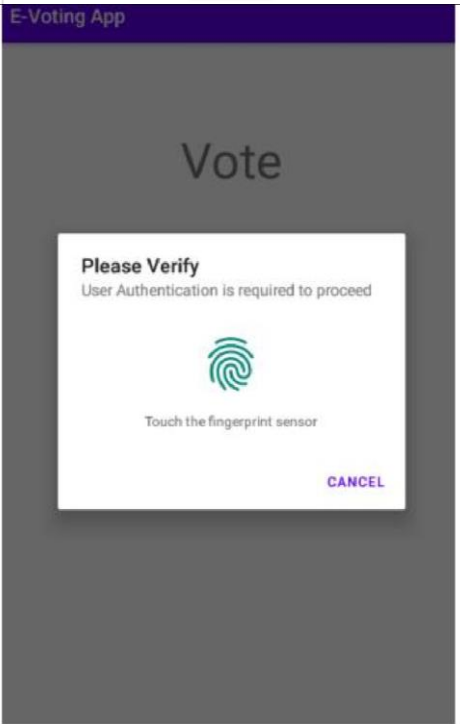
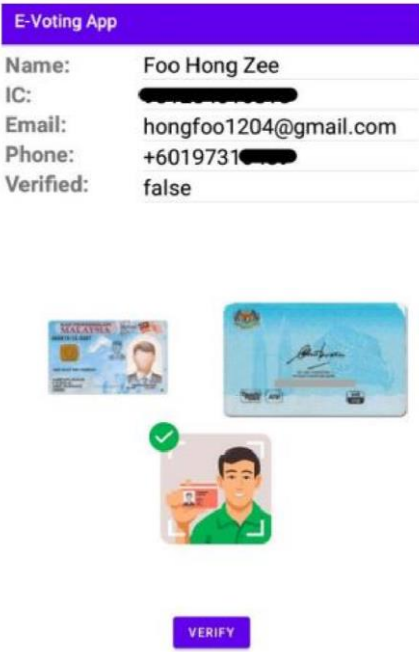| Team ID	NM2023TMID04400
Project Name	Project – Biometric security system for voting platform

Model Performance Testing:

Project team shall fill the following information when working for blockchain.

S.No.	Parametes	Values	Screen Shot

1.	i)Login ii)Login Decision Table	i) • This is login page; the user needs to enter their IC number and password to login. • If the vote is haven't start and open to vote, the system will forward the user to check eligible status page. • When vote is open, the system will forward to Login Token page. ☐ Besides, if the user already makes their vote before, the system will show "you already voted before" ii) • The table below is showing the action of the system will perform when user achieved the	
		achieved the condition. ☐ The user must not have any of the conditions below to complete the Login.	
2.	Login Token	• The user needs to enter the Token that given during register. • The user only can login successful and process to vote when the Token is correct.	

The screenshot in row 1 contains the E-Voting App login page and a decision table:

E-Voting App

E-Voting System

Login

IC Number (Without -)

Password

LOGIN

Register Here

The table below is showing the action of the system will perform when user achieved the condition. The user must not have any of the conditions below to complete the Login.

Condition/Rules						
Admin Login	T	F	F	F	F	F
Account not found	-	T	F	F	F	F
Password incorrect	-	-	T	F	F	F
Vote no open	-	-	-	T	F	F
User not eligible	-	-	-	-	T	F
User vote before	-	-	-	-	-	T
Actions						
Go Admin page	Y	N	N	N	N	N
Ask user to register	N	Y	N	N	N	N
Ask user to enter correct password	N	N	Y	N	N	N
Go check voter eligible status page	N	N	N	Y	N	N
Tell user not eligible to vote	N	N	N	N	Y	N
Tell user had vote before.	N	N	N	N	N	Y

The screenshot in row 2:

E-Voting App

Please enter your Token

SUBMIT

| 3. | i)Vote

ii)Edit Vote Option | i)

• This is the vote page after user login successfully.
• In this page, the user able to see the question of vote and the option of vote.
• After that, user able to choose one option to vote. ⬚ The system will make a confirmation with user. |

1. Vote page   2. Confirmation |

		ii)	
		□ The admin can enter the title or name of the option to rename them.	
		□ The system will update to the database after admin submit this edit form.	
4.	i)Fingerprint Verification

ii)Verify Voter | i)

□ After user confirm want to vote the option, the system will ask for user fingerprint.

□ After the fingerprint verification is successful, the system will record down the vote and the voting process is end.

□ The system will back to the login screen. | |

		ii) ☐ When admin click the button "Verify Voter" in Admin Menu page, the application will redirect admin to this page. ☐ In this page, the admin can see a list for registered but unverified voter. ☐ The list is show and sort by IC number.	
5.	Black-Box Testing	☐ Black-box testing is one of the techniques for software testing. ☐ Black-box testing is testing the functionality of the software without knowing the internal coding.	

E-Voting App

Name: Foo Hong Zee
IC: ▆▆▆▆▆▆▆▆▆▆
Email: hongfoo1204@gmail.com
Phone: +6019731▆▆▆
Verified: false

VERIFY

Functionality	Input	Actual Result	Expect Result
Fingerprint Verification	Fingerprint 1	Success	Success
Fingerprint Verification	Fingerprint 2	Failed	Failed
Edit Vote Option	"Party 1" for option 1	Voter vote option 1 button become "Party 1" button	Voter vote option 1 button become "Party 1" button
Edit Vote Option	"Party 2" for option 2	Voter vote option 2 button become "Party 2" button	Voter vote option 2 button become "Party 2" button
Vote Status	"OPEN" Button	Vote Open	Vote Open
Vote Status	"CLOSE" Button	Vote Close	Vote Close
Verify Voter	"VERIFY" Button	Voter Verified = true	Voter Verified = true
Realtime Result	Voter vote option 1	Total vote +1, Option 1 +1	Total vote +1, Option 1 +1
Realtime Result	Voter vote option 2	Total vote +1, Option 2 +1	Total vote +1, Option 2 +1
Statistic Report	-	Amount on pie chart is same with Realtime result, Percentage is correct	Amount on pie chart is same with Realtime result, Percentage is correct