**E-Wallet (FlowChart)**

Set Internet\_Status = “Yes”, Member\_Status = “Yes”, Thumbprint\_Set = “Yes”, Email1 = “Yes”, Password1 = “Yes”, Username1 = “Yes”, Password3 = “Yes”, Payment\_Method = “Cash”, Payment\_ Method = “Bank\_Transfer”, Series\_Number = “Match”, Confirmation = “Yes”, Counter = 0, Payment = 0

Display “Loading”

Enter Internet\_Status

Internet\_Status = “Yes”

No

Display “Please, check your connection”

Yes

Display “Already Sign Up?”

A2

A1

Enter Member\_Status

Member\_Status= “Yes”

Display SignUp\_Form

No

Yes

Enter Email, Password, Address, Age

Display “Login”

Yes

Display BankDetail\_Form

Age > 18

Display “Thumbprint”

No

Enter Thumbprint\_Set

Enter Bank\_Account, Bank\_Holder, Bank\_Branch

Thumbprint\_Set = “Yes”

No

Display Login\_Form

Yes

Enter Email, Password

A3

A3

A3

A3

A2

A2

A2

A2

Email = “No” AND Password = “No”

Display “Login Successful!”

Display “Password / Email incorrect”

Yes

No

Email = “Yes” AND Password = “No”

Display “Password / Email incorrect”

Yes

No

Email = “No” AND Password = “Yes”

Display “Password / Email incorrect”

Yes

No

Display “Login Successful!”

Display Home\_Page, Icon, Account\_Balance, Payment\_Method

A4

A4

A4

A3

A3

A3

Payment\_Method = “Cash”

Enter Series\_Number

Yes

Series\_Number = “Match”

No

No

Display “Your Series Number doesn’t correct”

Payment\_Method = “Bank\_Transfer”

Display “Your Wallet Successful Top Up”

Yes

Enter Amount\_TopUp

Amount\_TopUp >= 5

Display “Your Top Up amount must be more than RM 5”

No

Yes

Display BankLogin\_Form

Enter Username, Password

Display “Your Username/Password is incorrect”

Username = “No” AND Password = “Yes”

Username = “Yes” AND Password = “Yes”

No

Yes

A5

No

A5

A5

A5

A5

A4

A4

A4

A4

A4

Total\_Balance = Amount\_TopUp + Account\_Balance

Display “Your Username/Password is incorrect”

Username = “Yes” AND Password = “No”

Yes

Display Amount\_TopUp, Total\_Balance, Series\_Number, Bank\_Holder

No

Display “Your Username/Password is incorrect”

Enter Confirmation

Confirmation = “Yes”

Display “Your Transfer Unsuccessful, Please try again”

No

Yes

Display Receipt\_Form

Display Notification\_Payment = “Dear customer, you have made payment to your account total RM” + Amount\_TopUp + “. The current change in your account is RM “ + Total\_Balance + “.Thank you for using our E-Wallet.”

A6

A6

A6

A5

A5

A5

Display QR\_Scan

Enter QR\_Code

Account\_Balance >= 2

Display “Sorry, not enough change. Please top-up”

No

Yes

Display “Thank You. Enjoy your ride!”

Enter Station

Counter < Station

Enter QR\_Code

No

Net\_Balance = Account\_Balance - Payment

Yes

Payment = Payment + 2

Counter = Counter + 1

Display “Thank you. Please, come again.”

Display Notification = “Dear customer, RM “ + Payment + “ is deducted from your E-Wallet. Your total balance in your account is RM “ + Net\_Balance + “. Thank you for using our E-Wallet.”

A7

A7

A6

A6

Display Exit\_Icon

Display “We will miss you, Are you sure?”

Exit\_Icon = “Yes”

No

Yes