T

A

If Teacher

If Admin

Checking account type

If email and password == true

Enter Email

Enter password

Login

N

These credentials do not match our records

Y

12

**Figure 2.0 Flowchart (Website)**

Y

N

Y

G1

F1

E1

D1

C1

B1

A1

If choice == g

If choice == f

If choice == e

If choice == d

If choice == c

If choice == b

If choice == a

Admin

1. Announcements
2. Manage group
3. Teachers
4. Upload ID
5. Manage course
6. Manage user
7. Reports

A

N

N

N

N

Y

Y

Y

Y

13

N

**Figure 2.1 Flowchart (Website)**

Y

Y

N

Y

N

Delete

If yes

Are you sure you want to delete?

B1

Kick

If choice == 2aa

If choice == 2b

2aa. Kick

Display

Information

If choice == 2a

2a. View

2b. Delete

Display groups

B1

Update

A1

A1

If yes

Are you sure you want to delete?

Display announcement form

Post

Display announcement form

If choice == 1c

If choice == 1b

If choice == 1a

1a. Add

1b. Edit

1c. Delete

Display announcements

A1

N

Y

Y

N

N

Y

N

N

N

Y

Y

Y

14

**Figure 2.2 Flowchart (Website)**

Delete

Y

N

Y

A1

4c

4b

4a

If choice == 4c

If choice == 4b

If choice == 4a

4a. Add

4b. Edit

4c. Delete

4d. Batch upload

D1

Display Students

If choice == 3c

C1

Display Teachers

3a. Add

3b. Edit

3c. Delete

If choice == 3a

If choice == 3b

Display Teacher information form

Save

Display teacher information form

Update

Are you sure you want to delete?

If yes

C1

C1

Y

Y

N

N

N

N

N

N

Y

Y

Y

Y

15

N

D1

**Figure 2.3 Flowchart (Website)**

Delete

N

Y

Y

C1

4d

If choice == 4d

E1

5c

5b

5a

If choice == 5c

If choice == 5b

If choice == 5a

5a. Add

5b. Edit

5c. Delete

Display Course

E1

D1

D1

Upload

If choice == 4da

4da. Choose excel file

4d

D1

If yes

Are you sure you want to delete?

Delete

4c

D1

Update

Display Student information form

4b

D1

Save

Display Student information form

4a

N

N

Y

Y

N

N

N

Y

Y

Y

16

**Figure 2.4 Flowchart (Website)**

6b

Block user?

If yes

Block

F1

F1

f1

Update

Display user information form

6a

6a. edit

6b. block

If choice == 6a

If choice == 6b

6a

6b

F1

Display registered user

If yes

5a

Display course information form

Save

E1

5b

Display course information form

Update

E1

5c

Are you sure you want to delete?

Delete

E1

E1

N

Y

F1

N

Y

N

N

Y

Y

17

**Figure 2.5 Flowchart (Website)**

Close

If choice == G1b

G1b. close

Display screenshot

If choice == G1a

G1a. View Screenshot

Display reported problems

G1

N

Y

N

Y

18

**Figure 2.6 Flowchart (Website)**

P

DA

T

Display group

information

If choice == B1

B1. View

B2. delete

Display group

Display group announcements

If choice == a

If choice == b

Teacher

1. Announcements
2. Manage group

T

N

DI

If choice == d1

N

P

If choice == d1

Y

DI

Y

Delete

Display group announcements

Edit

N

N

DI

DI

Kick

Y

Y

Y

N

If choice == K

d1. Select announcement to edit

d2. Delete announcement to delete

K. Select group

Delete

Y

N

DA

If choice == B2

N

Y

19

**Figure 2.7 Flowchart (Website)**

X

Z

If Teacher

If Student

Checking account type

If username and password == true

Enter username

Enter password

Login

L

N

L

Y

N

N

Y

Y

20

**Figure 2.8 Flowchart (Mobile)**

If choice == 6

If choice == 5

If choice == 3

If choice == 4

If choice == 2

If choice == 1

Z

Student

1. Messages
2. Group
3. Profile
4. Friends
5. General Announcement
6. Report problem

1A

2A

3A

4A

5A

6A

N

N

N

N

Y

Y

Y

Y

N

N

Y

Y

21

**Figure 2.9 Flowchart (Mobile)**

2AA

Display

Messages

Announcement

Members

If choice == 2a1

2A

Display groups

Send

Message

1a2

Messages

1A

Close

1a2

If choice == 1a3

If choice == 1a2

1a2. Write message

1a3. Close

1A

If choice == 1a1

1a1. Select Conversation

Display Conversation

1A

2a1. Select group

2a2. Search group

If choice == 2a2

N

N

N

2A

2AB

Y

Y

Y

Display search form

2b1. Message

2b2. Announcement

2b3. Members

Request to join

2A

N

N

Y

Y

22

**Figure 2.10 Flowchart (Mobile)**

2A

2c2

2c2. Comment

If choice == 2c1

Display announcement Information

Display group announcement

2c1. view

Send

Display write message

If choice == 2b3

If choice == 2b2

2AA

If choice == 2b1

N

N

N

Y

Y

Y

2c2

Display Members

Display comment form

Comment

2AA

2AB

N

Y

23

**Figure 2.11 Flowchart (Mobile)**

4A

Search

Display search form

If choice == 4a2

4A

Display profile

4A

Close

If choice == 4b2

4A

Unfriend

If choice == 4b1

4b1. Unfriend

4b2. close

If choice == 4a1

4a1. Select friend

4a2. Search friend

Display

Friends

4A

L

Log-out

If choice == 3a1

3a1. Log-out

Display profile information

3A

N

Y

N

N

Y

Y

N

N

Y

Y

24

**Figure 2.12 Flowchart (Mobile)**

6A

Submit report

Display Report a problem form

6A

Comment

Display comment form

5b1

5b1

5b1. Comment

If choice == 5a1

Display announcement Information

5a1. view

Display general announcement

5A

N

Y

25

**Figure 2.13 Flowchart (Mobile)**

X

Teacher

1. Messages
2. Group
3. Profile
4. Friends
5. General announcement
6. Report a problem

If choice == 1

If choice == 2

If choice == 3

If choice == 4

If choice == 5

If choice == 6

1X

2X

3X

4X

5X

6X

X

N

N

N

N

Y

Y

Y

Y

N

N

Y

Y

26

**Figure 2.14 Flowchart (Mobile)**

If choice == 1x2

If choice == 1x1

1X

Display Conversation

1x1. Select Conversation

1X

1x2. Write message

1x3. Close

If choice == 1x3

1x2

Close

1X

Messages

1x2

Message

Send

2X

Display groups

2x1. Select group

2x2. Search group

If choice == 2x1

2X

Display

Messages

Announcement

Members

2x1. Message

2x2. Announcement

2x3. Members

2x4. Request

2XX

If choice == 2x2

Display search form

Request to join

2X

N

N

N

Y

Y

Y

N

27

**Figure 2.15 Flowchart (Mobile)**

Y

N

Y

Accept/Decline

Display request form

2X

If choice == 2x4

If choice == 2x3

2XX

If choice == 2x1

If choice == 2x2

Display write message

Send

Display group announcement

Display announcement Information

If choice == 2v1

2v2. Comment

2v2

2cv

Display comment form

Comment

N

N

N

DM

Y

Y

Y

Display members

2cc. Select member

2v1. View

2v2. Create announcement

2cc

N

N

Y

If choice == 2v2

N

Y

GA

Display group announcement form

28

**Figure 2.16 Flowchart (Mobile)**

Y

GA

Post

4b1. Unfriend

4b2. close

3X

Display profile information

3x1. Log-out

If choice == 3x1

Log-out

L

4X

Display

Friends

4x1. Select friend

4x2. Search friend

If choice == 4x1

If choice == 4x2

4X

If choice == 4b1

Unfriend

4X

If choice == 4b2

Close

4X

Display profile

Display search form

Search

4X

N

Y

N

N

Y

Y

2cc

N

N

N

Y

Y

If choice == 2cc

Y

DM

Unfriend

29

**Figure 2.17 Flowchart (Mobile)**

30

**Figure 2.18 Flowchart (Mobile)**

Y

N

If choice == 5x1

5X

Display general announcement

5x1. view

Display announcement Information

5v1. Comment

5b1

5v1

Display comment form

Comment

6X

Display Report a problem form

Submit report

6X