⇒ Progress Report:
- Started on the implementation of coding structure and functions essential for the program.
- We are not updated on the progress of the coding due to our coder being in the current event going on.

```cpp
#include <iostream>
#include <iomanip>
using namespace std;


int main() {

    int option;

    do {

        cout << "[1] [ Log an Item ]" << endl;
        cout << "[2] [ Claim an Item ]" << endl;
        cout << "[3] [ Log of Surrendered / Claimed Item ]" << endl;
        cout << "[4] [ Log of Overall Items in Lost and Found System ]" << endl;
        cin >> option;

        cout << endl;

        switch(option) {

            int choice;

            case 1:
                if (option == 1) {

                    cout << "What type of item?" << endl;
                    cout << "[1] [ Clothes ]" << endl;
                    cout << "[2] [ Accessories ]" << endl;
                    cout << "[3] [ Electronics and Devices ]" << endl;
                    cin >> choice;
                }
                break;
            case 2:
                if (option == 2) {

                    string name, gmail, cpnum, item;
                    int verify;

                    cout << "What type of Item will you claim?" << endl;
                    cout << "[1] [ Clothes ]" << endl;
                    cout << "[2] [ Accessories ]" << endl;
                    cout << "[3] [ Electronics and Devices ]" << endl;
                    cin >> choice;

                    cout << "== Log your informations here ==" << endl;
                    cout << "Full name (Last, Firss M.I): ";
                    cin >> name;
                    cout << "Email Address: ";
                    cin >> gmail;
                    cout << "Mobile Number: ";
                    cin >> cpnum;
                    cout << "Item claimed: ";
                    cin >> item;

                    cout << " name: " << name << "\n Email Address: " << gmail << "\n Mobile Number: " << cpnum
                        << "\n Item to be claimed: " << item << endl;

                    cout << "Is the information correct? (1/0)" << endl;
                    cin >> verify;

                    if (verify = 1) {
                        cout << "Information logged. Thank you for your cooperations." << endl;
                    }
                    else if (verify = 0) {
```

- Roles have been assigned in each part; coding, flowchart, pseudocode, and analysis.

- Pseudocode and flowchart are still in progress.

```
BEGIN
    DISPLAY "Enter program"

    // --- Login Process ---
    REPEAT
        PROMPT "Enter Student Number:"
        INPUT username
        PROMPT "Enter password:"
        INPUT password

        IF login_info_is_correct(Student Number, password) THEN
            DISPLAY "Login successful!"
            valid_login ← TRUE
        ELSE
            DISPLAY "Invalid, try again."
            valid_login ← FALSE
        ENDIF
    UNTIL valid_login = TRUE

    // --- Main Menu ---
    REPEAT
        DISPLAY "=============================="
        DISPLAY " Lost and Found Inventory Menu "
        DISPLAY "=============================="
        DISPLAY "[1] Log an Item"
        DISPLAY "[2] Claim an Item"
        DISPLAY "[3] View Log of Overall Items in Lost and Found"
        DISPLAY "[4] View Log of Surrendered / Claimed Items"
        DISPLAY "[5] Exit"
        DISPLAY "=============================="

        PROMPT "Enter your choice:"
        INPUT choice

        IF choice = 1 THEN
            CALL LogItem()
        ELSE IF choice = 2 THEN
            CALL ClaimItem()
        ELSE IF choice = 3 THEN
            CALL DisplayOverallLog()
        ELSE IF choice = 4 THEN
            CALL DisplaySurrenderedClaimedLog()
        ELSE IF choice = 5 THEN
            DISPLAY "Exiting program..."
```

```
        ELSE
            DISPLAY "Invalid selection, please try again."
        ENDIF

    UNTIL choice = 5

END


// --- Subroutines ---

PROCEDURE LogItem()
    DISPLAY "Logging a new item."
    PROMPT "Enter item name:"
    INPUT itemName
    PROMPT "Enter description:"
    INPUT itemDescription
    PROMPT "Enter date found:"
    INPUT dateFound
    STORE itemName, itemDescription, dateFound INTO LostItemsDatabase
    DISPLAY "Item successfully logged."
END PROCEDURE


PROCEDURE ClaimItem()
    DISPLAY "Claiming an item."
    PROMPT "Enter item ID to claim:"
    INPUT itemID
    IF item_exists_in_database(itemID) THEN
        MARK itemID AS claimed
        MOVE itemID TO SurrenderedClaimedLog
        DISPLAY "Item successfully claimed."
    ELSE
        DISPLAY "Item not found."
    ENDIF
END PROCEDURE


PROCEDURE DisplayOverallLog()
    DISPLAY "Overall items in Lost and Found:"
    DISPLAY all items from LostItemsDatabase
END PROCEDURE
```
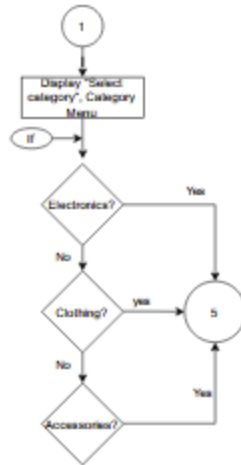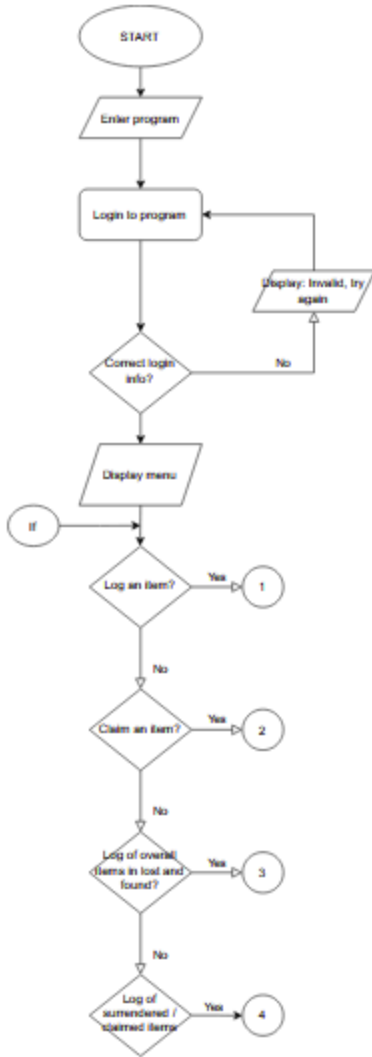
Column 1

START

Enter program

Login to program ← Display: Invalid, try again

Correct login info?
- No → Display: Invalid, try again

Display menu

If →

Log an item?
- Yes → 1
- No ↓

Claim an item?
- Yes → 2
- No ↓

Log of overall items in lost and found?
- Yes → 3
- No ↓

Log of surrendered / claimed items
- Yes → 4

Column 2

1

Display "Select category", Category Menu

If →

Electronics?
- Yes → 5
- No ↓

Clothing?
- yes → 5
- No ↓

Accessories?
- Yes → 5

Column 3

5

Display "Logging an item"

Enter item name

Enter item Description

Enter date, time

Store item data into database

- Accomplishment timeline has been allotted.
⇒ Contribution Report:
- Programming and coding structure ⇒ Verano
- Pseudocode ⇒ De Vera
- Flowchart ⇒ Baula

Conclusion: So far, the progress made in the span of 1 - 2 weeks has been well implemented with the time allotted, Although due to the CEA and Quiz Bee, It has greatly affected the flow of our project tho we will be able to try and push through to try and be able to finish the project.