DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CMR INSTITUTE OF TECHNOLOGY

A REPORT ON

ASSIGNMENT SUBMISSION PORTAL

TEAM NAME: THE QUARKS

Submitted for Hackathon By
K C Varun(1CR19CS073)

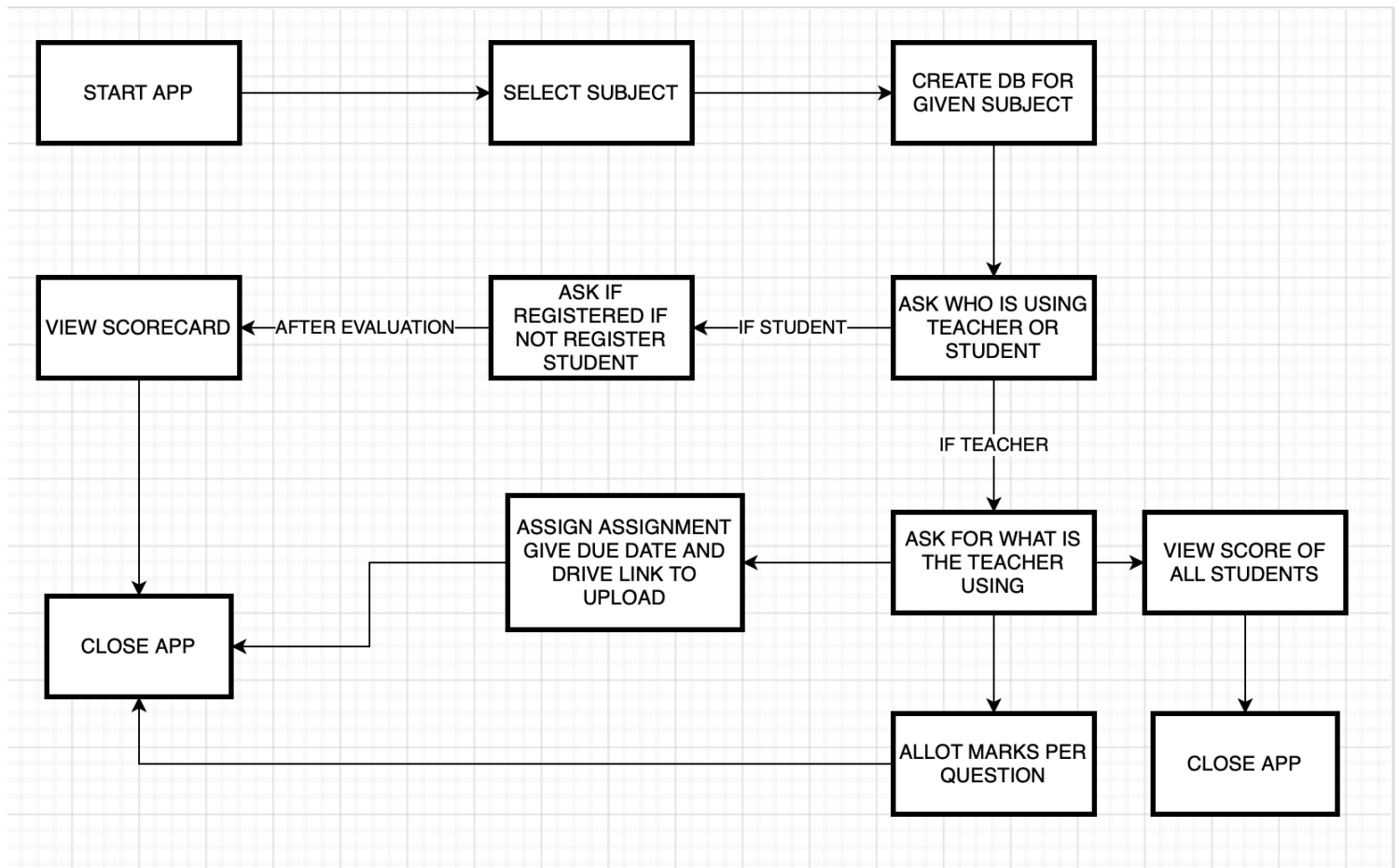**D Kishore (1CR19CS081)**

CMR INSTITUTE OF TECHNOLOGY

#132, AECS LAYOUT, IT PARK ROAD, KUNDALAHALLI, BANGALORE-560037

WORKFLOW

Technologies used:
Front-End : C++
Back-End : SQLite

```
START APP  →  SELECT SUBJECT  →  CREATE DB FOR GIVEN SUBJECT
                                            ↓
VIEW SCORECARD ←─AFTER EVALUATION─ ASK IF REGISTERED IF NOT REGISTER STUDENT ←─IF STUDENT─ ASK WHO IS USING TEACHER OR STUDENT
     ↓                                                                                              ↓ IF TEACHER
CLOSE APP ← ASSIGN ASSIGNMENT GIVE DUE DATE AND DRIVE LINK TO UPLOAD ← ASK FOR WHAT IS THE TEACHER USING → VIEW SCORE OF ALL STUDENTS
                                                                                ↓                              ↓
                                                                     ALLOT MARKS PER QUESTION            CLOSE APP
```

This is a Command Line Interface Application which keeps track of the assignment submission of students, in this app we have assumed that there are three subjects in total and five questions per assignment, the student needs to register with their USN and Name and after that the teacher assigns him the assignment and after that the teacher allots marks per question. The student can see how much he/she has scored in that assignment for that particular subject. Here we have used "SQLite" as our database and C++ as an interface to connect the database and the user.

OUTPUT

```
kcvarun@Varuns-MacBook-Air-2 AssignmentSubmissionPortal % g++ program.cpp -l sqlite3
kcvarun@Varuns-MacBook-Air-2 AssignmentSubmissionPortal % ./a.out
Which subject do you want to access
        1. Physics
        2. Chemistry
        3. Maths
1
Opened database successfully
Table created successfully
Who is logging in?
1.Student
2.Teacher
1
Are you registerd?, if yes type '1'and if not type '0': 0
Enter your name: Varun
Enter your USN: 1CR19CS073
Records created successfully
kcvarun@Varuns-MacBook-Air-2 AssignmentSubmissionPortal % ./a.out
Which subject do you want to access
        1. Physics
        2. Chemistry
        3. Maths
1
Opened database successfully
SQL error: table STUDENT already exists
Who is logging in?
1.Student
2.Teacher
2
Please tell what you want to do
        1.View Marks
        2.Allot Marks
        3.Assign Assignment
Enter the correct option: 1
List of All students with their marks
Callback function called:
        NAME = Varun
        USN = 1CR19CS073
        Q1_MARK = NULL
        Q2_MARK = NULL
        Q3_MARK = NULL
        Q4_MARK = NULL
        Q5_MARK = NULL
        TOTAL_MARKS = NULL
        LINK_TO_SUBMIT_ASSIGNMENT = NULL
        SUBMISSION_DUE_DATE = NULL
        CORRECTION_DUE_DATE = NULL

Operation done successfully
kcvarun@Varuns-MacBook-Air-2 AssignmentSubmissionPortal % ./a.out
kcvarun@Varuns-MacBook-Air-2 AssignmentSubmissionPortal % g++ program.cpp -l sqlite3
kcvarun@Varuns-MacBook-Air-2 AssignmentSubmissionPortal % ./a.out
Which subject do you want to access
        1. Physics
        2. Chemistry
        3. Maths
2
Opened database successfully
Table created successfully
Who is logging in?
```

```
Who is logging in?
1.Student
2.Teacher
2
Please tell what you want to do
        1.View Marks
        2.Allot Marks
        3.Assign Assignment
Enter the correct option: 2
Enter the USN of the student to enter marks: 1CR19CS073
Callback function called:
        NAME = Varun
        USN = 1CR19CS073
        Q1_MARK = NULL
        Q2_MARK = NULL
        Q3_MARK = NULL
        Q4_MARK = NULL
        Q5_MARK = NULL
        TOTAL_MARKS = NULL
        LINK_TO_SUBMIT_ASSIGNMENT = drive.google.com
        SUBMISSION_DUE_DATE = 10/6/2021
        CORRECTION_DUE_DATE = 11/7/2021

Operation done successfully
Please enter the mark for question 1: 10
Please enter the mark for question 2: 10
Please enter the mark for question 3: 10
Please enter the mark for question 4: 10
Please enter the mark for question 5: 10
Records created successfully
kcvarun@Varuns-MacBook-Air-2 AssignmentSubmissionPortal % ./a.out
Which subject do you want to access
        1. Physics
        2. Chemistry
        3. Maths
2
Opened database successfully
SQL error: table STUDENT already exists
Who is logging in?
1.Student
2.Teacher
2
Please tell what you want to do
        1.View Marks
        2.Allot Marks
        3.Assign Assignment
Enter the correct option: 1
List of All students with their marks
Callback function called:
        NAME = Varun
        USN = 1CR19CS073
        Q1_MARK = 10
        Q2_MARK = 10
        Q3_MARK = 10
        Q4_MARK = 10
        Q5_MARK = 10
        TOTAL_MARKS = 50
        LINK_TO_SUBMIT_ASSIGNMENT = drive.google.com
        SUBMISSION_DUE_DATE = 10/6/2021
        CORRECTION_DUE_DATE = 11/7/2021
```

```
Who is logging in?
1.Student
2.Teacher
2
Please tell what you want to do
        1.View Marks
        2.Allot Marks
        3.Assign Assignment
Enter the correct option: 1
List of All students with their marks
Callback function called:
        NAME = Varun
        USN = 1CR19CS073
        Q1_MARK = 10
        Q2_MARK = 10
        Q3_MARK = 10
        Q4_MARK = 10
        Q5_MARK = 10
        TOTAL_MARKS = 50
        LINK_TO_SUBMIT_ASSIGNMENT = drive.google.com
        SUBMISSION_DUE_DATE = 10/6/2021
        CORRECTION_DUE_DATE = 11/7/2021

Callback function called:
        NAME = TestRun
        USN = 1CR19CS001
        Q1_MARK = NULL
        Q2_MARK = NULL
        Q3_MARK = NULL
        Q4_MARK = NULL
        Q5_MARK = NULL
        TOTAL_MARKS = NULL
        LINK_TO_SUBMIT_ASSIGNMENT = drive.google.com
        SUBMISSION_DUE_DATE = 10/6/2021
        CORRECTION_DUE_DATE = 11/7/2021

Operation done successfully
kcvarun@Varuns-MacBook-Air-2 AssignmentSubmissionPortal %
```