**Database Schema**

Students\_table

* Student\_id PK
* Surname VARCHAR(25)
* Last Name VARCHAR(25)

Lecturer’s table

* Lecturer\_id PK
* Surname
* Last Name

classes\_table

* Lecture\_id
* Lecturer\_id FK
* Lecture\_date
* Unit\_id FK

Units\_table

* Unit\_id
* Unit\_name

Attendance\_table

* class\_id FK
* Student\_ID FK
* Attendance BOOL DEFAULT FALSE

**The Application**

The functionality of the application will be executed through the following functions

Add\_student () – Writes student data into the students\_table

Add\_lecturer() – Writes Lecturer data into the lecturers\_table

create\_class() – Creates a class for a particular unit

fill\_attendance() – Pulls the attendance template for a selected class and displays students enrolled in that unit.

Submit\_attendance() – Submits attendance details after filling into the attendance table and writes True where a student is present and retails false where student is absent.

Attendance\_report() – shows on a table, the report of a selected student,class, unit or dates.