

UML class Diagram :- OOP-Theory's Assignments:-

Q4).

Ans:-

PaymentFee

- Fees : double
- CardStatus : string.
- + PaymentFee()
- + PaymentFee(double Fees)
- + PaymentFees(double fees): int.
- + GetStatus(): string.

Routes.

- Routes1 : string[24]
- RoutesPickUP : string[24]
- + CheckRoute(string Route): int.
- + GetRouteName(string RouteNumber): string.

Attendance.

- TotalAttendance : int.
- Student : Student*
- Attendancechecker : int*
- + Attendance(Totalstudents: int, student*: student)
- + SetCard (UserId: string, Totalstudents: int): void
- + DisplayAttendance(Totalstudents: int): void
- + ~Attendance()

Student

- StudentID : string
- Student Name : string
- Student ContactNumber : string
- BatchNo : string
- Semester Year : string
- Route Number : string
- StopName : string


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- CardNumber : string
- TotalStudents : int {static}
- route Route

+ Student().
+ Student(string studentId, studentName : string, string studentContactNumber, string BatchNo
    string SemesterYear, string RouteNumber, string shopName, string cardNumber).
+ SetAttributes ( studentID : string, studentName : string, student contactNumber : string, BatchNo : string
    , SemesterYear : string, RouteNumber : string, shopName : string, cardNumber : string ) : void.
+ StudentRegistration ( ) : void.
+ GetContactNumber ( ) : string {const}
+ GetName ( ) : string {const}
+ GetTotalStudents ( ) : int {static}
+ GetUserId ( ) : string {const}
    
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