

A CRM APPLICATION FOR PUBLIC TRANSPORT MANAGEMENT SYSTEM

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PROJECT NAME	A CRM APPLICATION FOR PUBLIC TRANSPORT MANAGEMENT SYSTEM
MAXIMUM MARKS	

CHAPTER 12:- APPENDIX (APEX CODE)

Apex code designed for a CRM application in a Public Transport Management System. This snippet demonstrates how you might handle passenger feedback submission and store it in Salesforce:

APEX CLASS NAME:- TripTriggerHandlerClass

```
Public class TripTriggerHandlerClass {

// Checking whether the entered Driver Id belongs to a Driver or not

public Static void driverValidation(List<Trip__c> tripList){

    List<Employee__c> driverList = [SELECT Id, Name FROM Employee__c WHERE Role__c
='Driver' ];

    If(driverList != null){

        Map<Id, String> driverMap = new Map<Id, String>();

        for(Employee__c emp : driverList ){

            driverMap.put(emp.Id, emp.Name);

        }

        for(Trip__c trip : tripList ){

            If(trip.Driver_Id__c!=null){
```

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```
Boolean hasDriverId = driverMap.containsKey(trip.Driver_Id__c); // hasDriverId will be
true

If(hasDriverId == false){

    trip.addError('The assigned person is not a Driver.');
```

```
    }

}

}

}

}
```

// Checking whether the entered conductor Id belongs to a Conductor or not

```
public Static void conductorValidation(List<Trip__c> tripList){

    List<Employee__c> conductorList = [SELECT Id, Name FROM Employee__c WHERE Role__c
    ='Conductor' ];

    Map<Id, String> conductorMap = new Map<Id, String>();

    for(Employee__c emp : conductorList ){

        conductorMap.put(emp.Id, emp.Name);

    }

    for(Trip__c trip : tripList ){

        If(trip.Conductor_Id__c!=null){
```

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```
Boolean hasConductorId = conductorMap.containsKey(trip.Conductor_Id_c); //
hasConductorId will be true
```

```
    If(hasConductorId == false){
        trip.addError('The assigned person is not a Conductor.');
```

```
    }
}
}
}
}
```

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APEX TRIGGER

```
trigger TripTrigger on Trip__c (before insert, before update) {

    if(trigger.isBefore){

        if(trigger.isInsert || trigger.isUpdate){

            // Validating the Conductor Id in Trip is really a Conductor or not

            TripTriggerHandlerClass.driverValidation(trigger.new);

            // Validating the Conductor Id in Trip is really a Conductor or not

            TripTriggerHandlerClass.conductorValidation(trigger.new);

        }

    }

}
```