

UML Diagram
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PHASE 13: VIPERS

1

ODL

```
class Person
  (extent persons key PID)
  { attribute String PID;
    attribute Struct name { String fname,
      String mname,
      String lname } name;
    attribute date DOB;
    attribute Struct Address { String lines,
      String state,
      String zip,
      String country } Address;
    attribute String MobileNO; };

  class Customer extends Person
  (extent customers)
  { attribute String DrivENO;
    attribute String memberID;
    attribute String date start_date;
    attribute Employee managed_by;
    relationship Set<Offer> eligibleFor
      inverse Offer:: eligibleCustomer;
    relationship Set< BoughtDate > bought_on
      inverse BoughtDate:: customer_who_bought;
  };
}
```

PHASE 13: VIPERS

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ODL

Class Employee extends Person
(extent Employees)
{ attribute String EID;
attribute String mailID;
};

Class Insurance
(extent insurances) key PNO
{ attribute String PNO;
attribute String Pname;
attribute String Age;
attribute float Price;
relationship Set< BoughtDate > bought_on_date
 inverse BoughtDate :: insurance_bought;
};

Class BoughtDate (extent boughtdates)
{ attribute date Date;
relationship Customer customer_who_bought
 inverse Customer :: bought_on;
relationship Insurance insurance_bought
 inverse Insurance :: bought_on_date;
};

Class Offers (extent offers key Code)
{ attribute String Code;
attribute String discount;
attribute String description;
};

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ODL

Class BookingHistory (extent bookinghistory key ID)

{ attribute String ID;
attribute String type;
attribute String bookingtime;
attribute String cancelledtime;
attribute String pick-uptime;
attribute String drop-time;
attribute Car ofcar;
attribute Customer forcustomer;
attribute Offers donewith;
};

Class Car (extent cars key ID)

{ attribute String ID;
attribute String plateNO;
attribute float dailycharge;
attribute float hourlycharge;
attribute Set<String> rentaltype;
attribute Set<String> color;
attribute Service gets;
};

Class Service (extent services key ID)

{ attribute String ID;
attribute String no-of-miles;
attribute date servicedate;
attribute String type;
};

};