DataFlowModel1::0th level

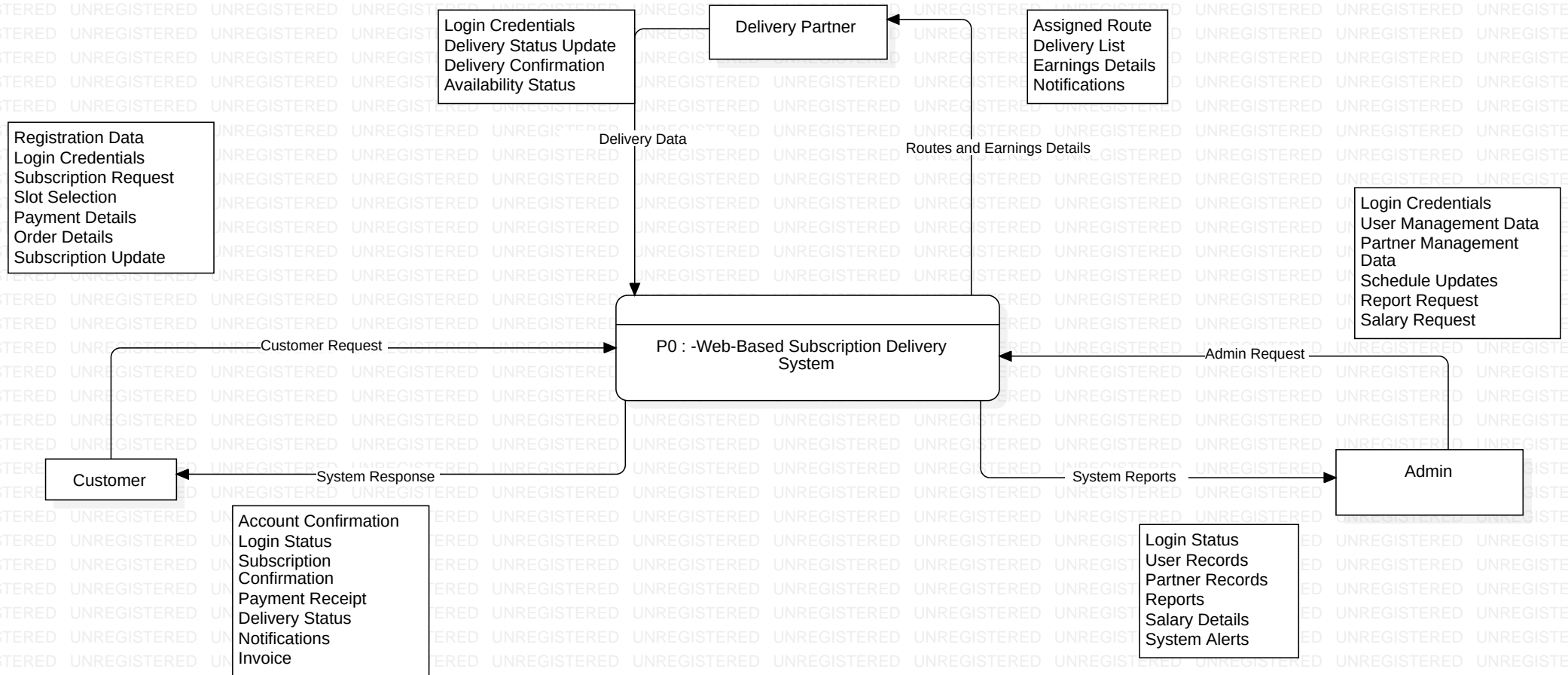# P0: Web-Based Subscription Delivery System

Zero level / Context Level Data Flow Diagram

Delivery Partner

Login Credentials
Delivery Status Update
Delivery Confirmation
Availability Status

Assigned Route
Delivery List
Earnings Details
Notifications

Registration Data
Login Credentials
Subscription Request
Slot Selection
Payment Details
Order Details
Subscription Update

Delivery Data

Routes and Earnings Details

Login Credentials
User Management Data
Partner Management Data
Schedule Updates
Report Request
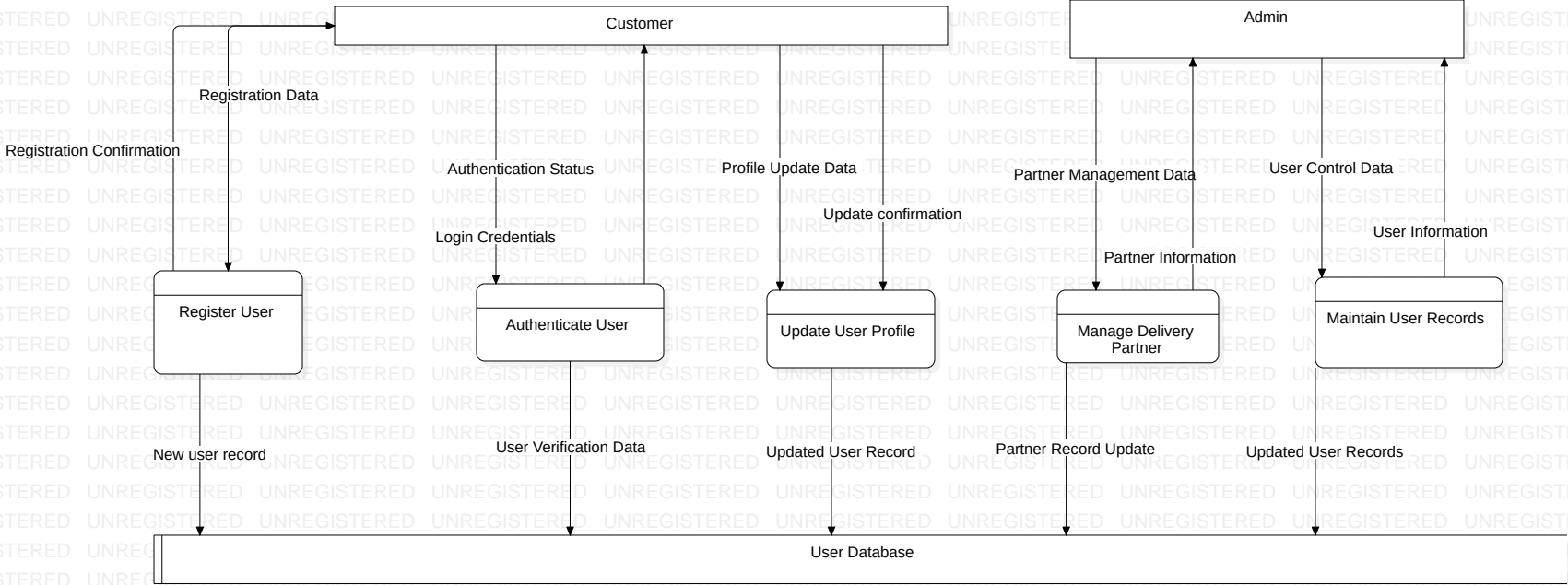Salary Request

P0 : -Web-Based Subscription Delivery System

Customer Request

Admin Request

Customer

System Response

System Reports

Admin

Account Confirmation
Login Status
Subscription Confirmation
Payment Receipt
Delivery Status
Notifications
Invoice

Login Status
User Records
Partner Records
Reports
Salary Details
System Alerts

1st Level Data Flow Diagram

Customer

Paymnet Confirmation

Authentication Staus

Payment Data

Subscription Confirmation

Order Status

User Data

Subscription Data

Delivery Partner

Admin

Route Details

User Information

Valid User

P1 : User Managmnet

P2 : Subscription Managmmnet

Subscription Details

P3 : Order Processing

Delivery Status

P4 : Route and Delivery Managmner

P5 : Paymnet Processing

User Control Data

Report

Order Records

Report Request

User Record

Subscription Records

Route Records

Payment Record

User Database

Subscription Database

Updated Order Data

Orders database

Route Database

Paymnet Database

P6 : Reports and Salary Managmnet

Order Data

Payment Request

Payment Data

Payment Confirmation

Reports Data

Payment Gateway

Reports Database

DataFlowModel3::2nd User Management

2nd level DFD (User management)

```
                            ┌─────────────────────────┐              ┌─────────────────────────┐
                            │        Customer         │              │          Admin          │
                            └─────────────────────────┘              └─────────────────────────┘
```

Registration Data

Registration Confirmation

Authentication Status

Profile Update Data

Partner Management Data

User Control Data

Update confirmation

User Information

Login Credentials

Partner Information

| Register User | Authenticate User | Update User Profile | Manage Delivery Partner | Maintain User Records |

New user record

User Verification Data

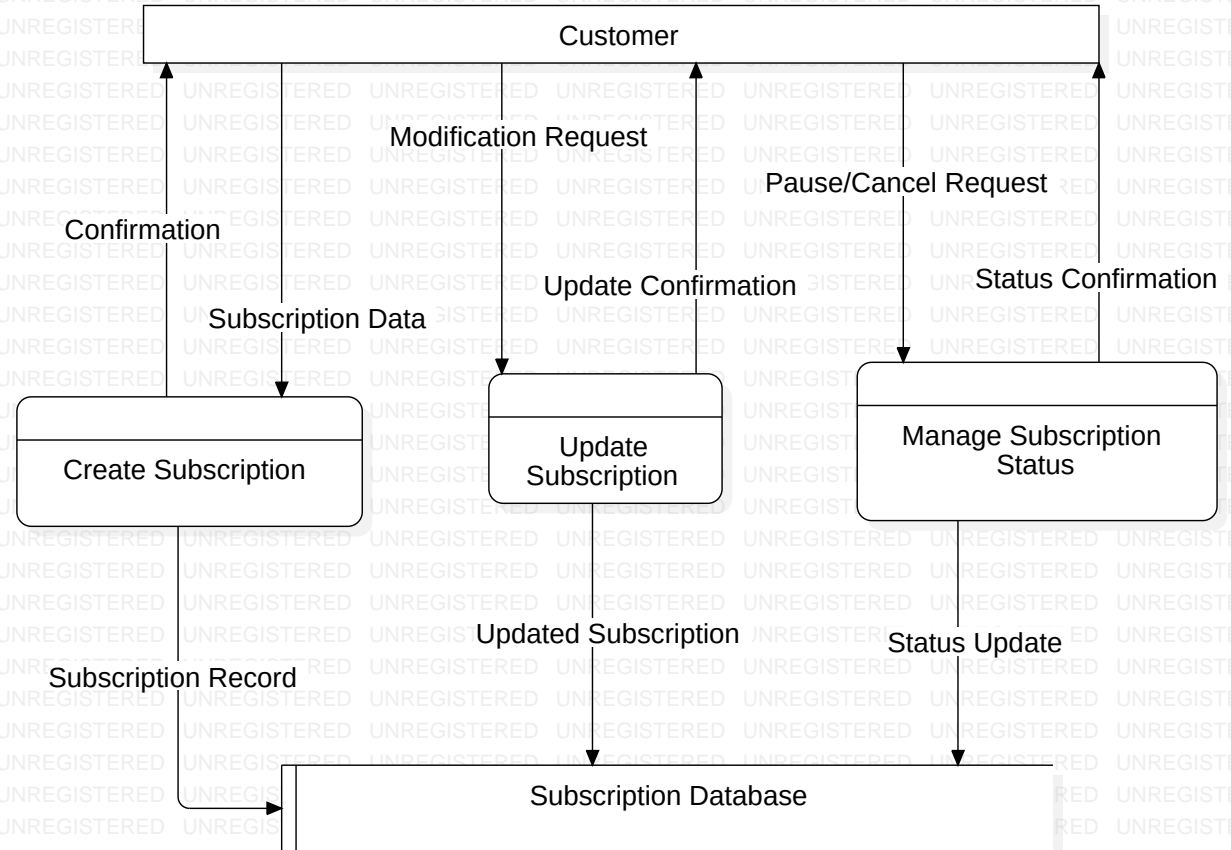Updated User Record

Partner Record Update
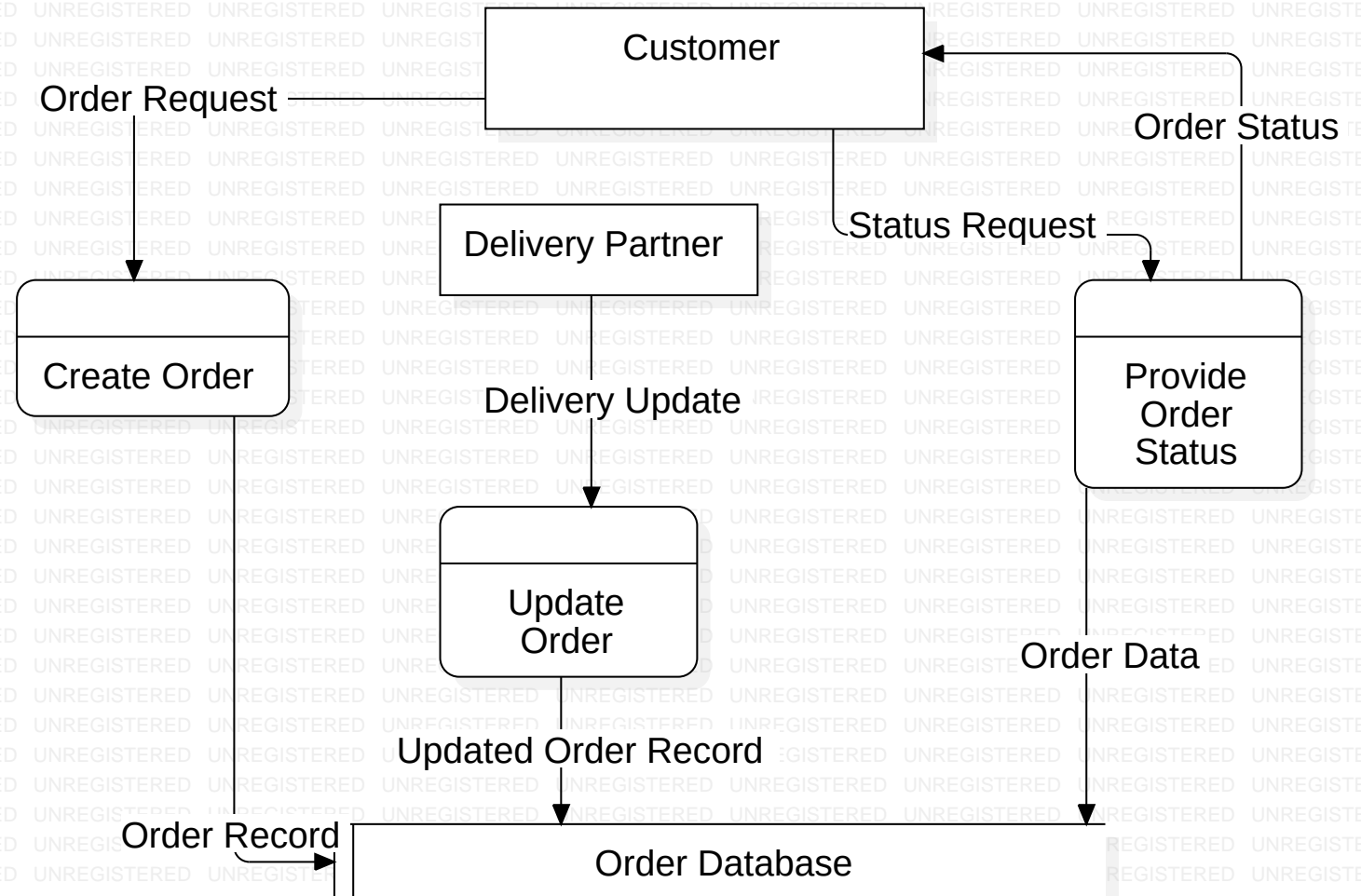
Updated User Records

User Database

DataFlowModel4::2nd Subscription management
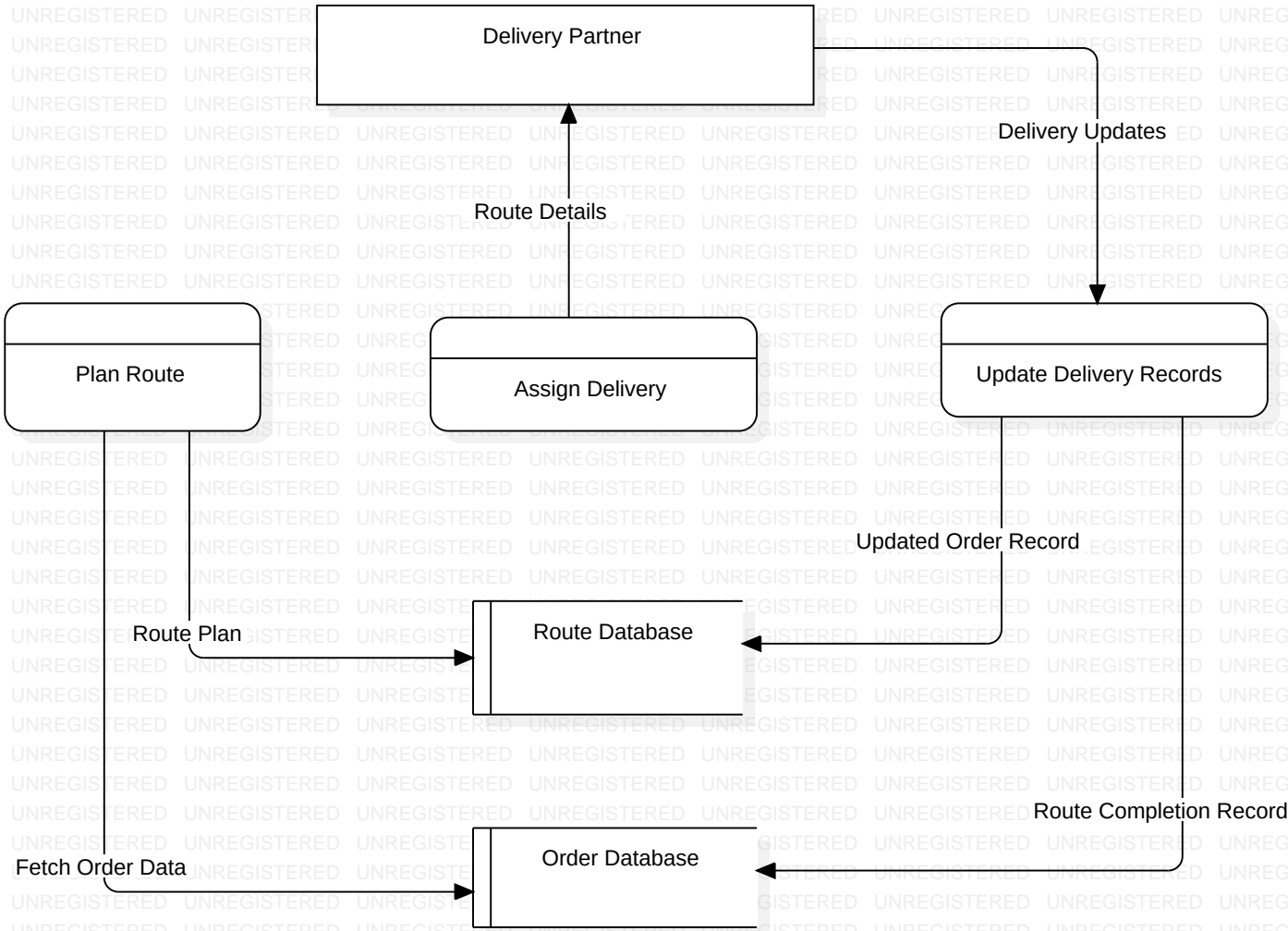
2nd level DFD Subscription management

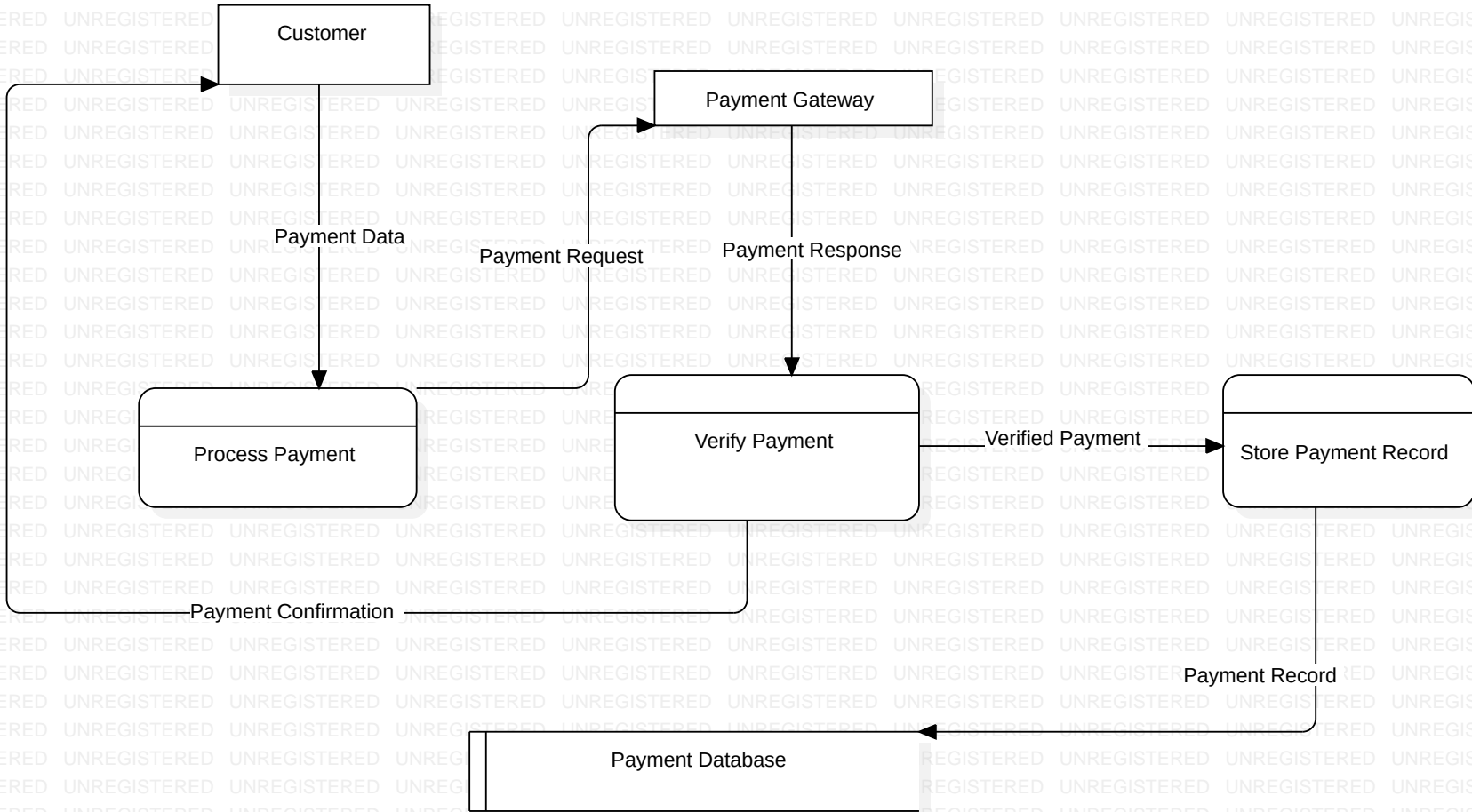# DataFlowModel5::2nd Order Processing

2nd level DFD Order Processing

DataFlowModel6::2nd Route and Delivery Management

2nd level DFD Route and Delivery Management

DataFlowModel7::2nd PaymentProcessing

2nd level DFD Payment Processing

```
                                    ┌──────────────┐
                                    │   Customer   │
                                    └──────────────┘
                                            │            ┌──────────────────┐
                                            │            │ Payment Gateway  │
                                            │            └──────────────────┘
                                            │                      │
                                   Payment Data    Payment Request    Payment Response
                                            │                      │
                                            ▼                      ▼
                          ┌──────────────────┐    ┌──────────────────┐         ┌──────────────────────┐
                          │                  │    │                  │ Verified │                      │
                          │ Process Payment  │    │  Verify Payment  │ Payment  │ Store Payment Record │
                          │                  │    │                  │─────────▶│                      │
                          └──────────────────┘    └──────────────────┘         └──────────────────────┘
                                            │                                            │
                                Payment Confirmation                            Payment Record
                                            │                                            │
                                            ▼                                            ▼
                                        ┌────────────────────────────────────────┐
                                        │           Payment Database             │
                                        └────────────────────────────────────────┘
```

DataFlowModel8::2nd Reports and Salary Management

2nd level DFD Reports and Salary Management