Chapter 7 Homework

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**Answers should be in your own words. Any indication of cheating or copying directly from anything on the internet or other students in the class will result in a ZERO on the assignment. **

Create the Context Diagram and Level Zero Data Flow Diagram for the following system. Each diagram must be on its own page, and be no larger than one page.

Note: This is a simplified version of the real system. Only the activities described below are to be included in the scope of the system that you are documenting.

Aurico provides background screening of potential employees of client companies. (The client companies are the customers of Aurico.)

Customers submit a review packet to Aurico. A clerk reviews the information to ensure that it is complete and the customer's desired services are specified. If anything is missing, the packet is returned to the customer with a missing items form.

Packets that are determined to contain all of the required components are then recorded. If it is a new customer, then the customer details are recorded in the customer file along with a system-generated customer ID. Then the customer ID, a Job ID, the date, the documents and the services to be performed are recorded in the review file. Job ID is sent to the customer.

Every morning the analyst retrieves information on all the packets that came in the previous day. For each packet, the analyst sends out a request for information to the appropriate Verification Specialist. A list of Verification Specialists and their specialties is consulted to determine which Verification Specialist is appropriate.

Periodically the Verification Specialist returns an investigation reports to Aurico. A clerk records the results in the review file.

At any time, a customer can contact Aurico and be told the status of their packet(s). The status would be related to how many of the investigation reports have been received.

Once all of the investigation reports for a packet have been received, the status of the packet becomes 'completed'. Each afternoon the system checks for all 'completed' packets and for each of those a results report is created and sent to the customer. The status of the packet is then changed to 'reported'.

Context Diagram Ch.7 HW OMIS 462

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CLERK

VERIFICATION SPECIALIST

CUSTOMERS

ANALYST

0

REVIEWING SYSTEM

Specialists List & Specialties

Review File

Response on Packet

Review Packet

Investigation Reports

Information Request from Analyst

Review Packet

Response on Packet

New Report

Information on Packets

Information Request to VS
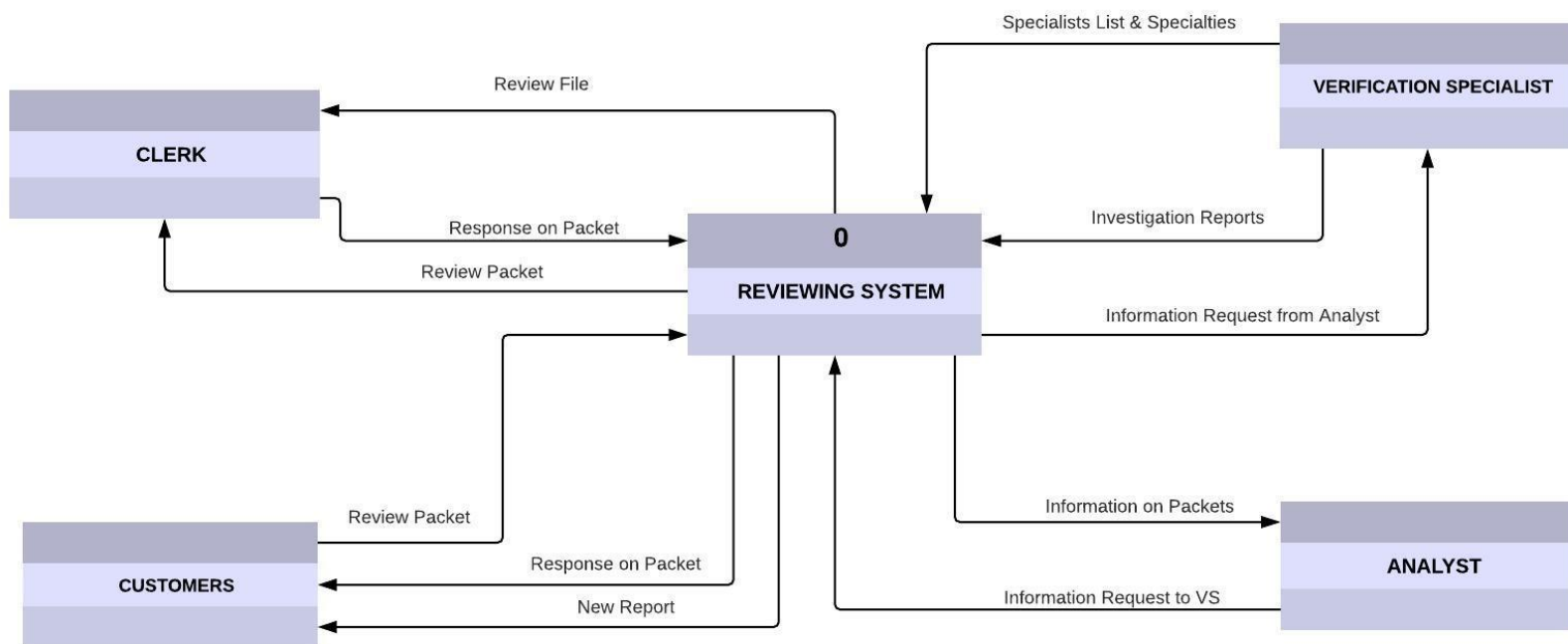
Level Zero Data Flow Diagram Ch. 7 HW OMIS 462

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CUSTOMERS

Customer Review Packet

Packet Status

Customer's Packet (Missing Info)

1.0
Recieve, Review, Send Customer Packet

Review Info Customer's Packet

Packet Response

New Customer

Packet

Packet Info

CLERK

Reviewed Report

Job ID

8.0
Recording Results

2.0
Update Customer File

4.0
Retrieve Packet Information

Formatted Customer Information

| D1 | **Customer File (Customer ID)** |

ANALYST

Information of the Request

5.0
Requesting Information

Request

3.0
Update Review File

Customer ID, Job ID, Date, Docs/Services

Recorded Results

| D2 | **Review File** |

System Status Check

9.0
Checking Completion

Completed Packet

6.0
Consulting for Apprpriate Specialist

Specialities List

VERIFICATION SPECIALIST

Chosen Verification Specialist

7.0
Returning Investigation Report

Investigation Report