

Analysis of Repair Shop Inventory System

Applied Assessment #2

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Course: ANAP1525 – Systems Analysis and Design I

Section: OA01

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BOHDAN HIRKYI

Business Model Description

Background Information:

AHMS Inc. is a local business that provides a variety of products and services in the oil industry. AHMS offers everything from overhaul and repair, to building custom equipment. The main expertise of AHMS is fluid power and mechanical systems.

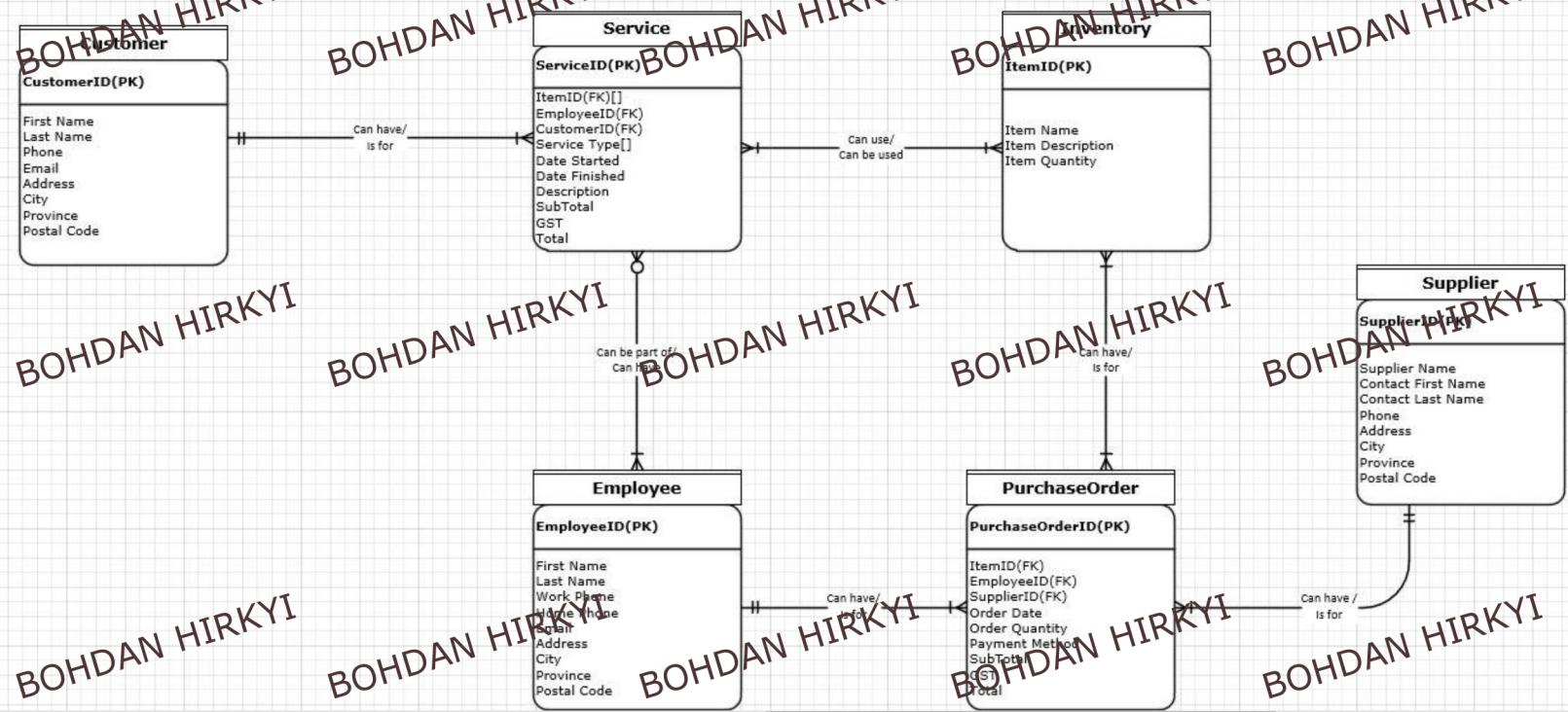
Business Model Description:

The business model is based on the AHMS inventory system. When a customer comes in, they fill out a customer form. The form includes information like customer information and the services needed. The system creates a profile for the customer for future services. After the customer filled out the form, employees are put on the services. Any type of service requires replacement or new items from the inventory. Inventory might not have a specific item for the service, so the employees will have to put an order from the supplier. After service is complete the inventory is checked to see if there is anything that needs to be ordered.

Entity Relationship Diagram

Assessment #2 – ERD

Bohdan Hirkyi



BOHDAN HIRKYI

Data Dictionary

CUSTOMER =

CustomerID +

First Name +

Last Name +

Phone +

Email +

Address +

City +

Province +

Postal Code

SERVICE =

ServiceID +

1{ItemID}N +

EmployeeID +

CustomerID +

1{Service Type}N +

Date Started

Date Finished +

Description +

SubTotal +

GST +

Total

BO

BO

BO

BO

BO

BO

BOHDAN HIRKYI

BOHDAN HIRKYI

BOHDAN HIRKYI

BOHDAN HIRKYI

BO

INVENTORY =

ItemID +

Item Name +

Item Description +

Item Quantity

EMPLOYEE =

EmployeeID +

First Name +

Last Name +

Work Phone +

Home Phone +

Email +

Address +

City +

Province +

Postal Code +

PURCHASE ORDER =

PurchaseOrderID +

ItemID +

EmployeeID +

SupplierID +

Order Date +

Order Quantity +