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CIS 205 001 15A FA24

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The Final Project: Test Data Document

PART 1: SAMPLE DATA

1. Company

CompanyID	name	address	phonenum	email
1	TIT	123 Main Street, Springfield, PA 19064	555-1234	tit@techfix.com
2	Penguins	888 Powder Way, Bear, DE 19701	555-2143	peguins@techinnova.com

2. Customer

CustomerID	name	phonenum	email
101	John Doe	267-328-5678	johndoe@gmail.com
102	Lilvania Miller	206-584-0183	lilmil@gmail.com
103	Kacem Jaeger	302-198-237	kajg@gmail.com

104	Samatha Garcia	215-465-0108	samcia@gmail.com
105	Anthony Rodriguez	610-697-1306	anrodri@gmail.com
106	Tom Wilson	682-328-1208	tomwilsn@email.com
107	Mathew Brown	317-123-5608	matbrn@email.com

3. Technician

Technician ID	name	phonenum	email
1	Alice Smith	610-152-8765	as1@techfix.com
2	Beatrix Parker	215-898-452	bp2@techinnova.com
3	Brian Hayman	317-923-485	bh3@techfix.com
4	Ethen Norris II	680-931-0042	eno4@techinnova.com
5	Demond Williams	445-729-0182	dew5@techfox.com

4. TechnicianSkills

TechSkillID	CertificationName	SkillName	TechnicianID
11	CompTIA A+	Hardware Troubleshooting	1
12	CompTIA Network+	Networking Setup	2
13	Microsoft Certified	Software Troubleshooting	3
14	CompTIA Security+	Cybersecurity Solutions	4
15	Cisco CCNA	Network Configuration	5

5. RepairServices

ServiceID	ServiceType	price
41	Virus Removal	50.00

84	Hardware Replacement	75.00
43	Data Recovery	100.00
2	Screen Repair	120.00
55	Networking Setup	150.00

6. ServiceSchedules

ScheduleID	date	time	CustomerID	ServiceID	TechnicianID
22	2024-12-02	10:30:00	101	41	1
33	2024-12-03	14:00:00	102	84	2
42	2024-12-04	09:30:00	103	43	3
51	2024-12-05	11:00:00	104	72	4
66	2024-12-06	15:00:00	105	55	5

7. ToolsAndEquipment

ToolID	ToolName	quantity	price
1	Screwdriver Set	8	25.00
2	Anti-static Wrist Strap	15	5.00
3	Thermal Paste	25	8.00
4	Multimeter	10	50.00
5	Compressed Air Duster	30	15.00

8. Vendor

VendorID	VendorName	ContactInfo
1	TechCo Supplies	1234 Sunset Boulevard, techco@gmail.com

2	RepairTools Inc.	5678 Pacific Coast Highway, rtools@gmail.com
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9. Miscellaneous

MiscID	ItemName	quantity
1	Screws	200
10	Isopropyl Alcohol	50
5	Compressed Air Duster	30

10. Products

ProductID	ProductType	ProductName	price	quantity
12	Laptop	Dell Inspiron 15	600.00	20
13	Monitor	Samsung 24-inch	150.00	10
1	Accessory	Wireless Mouse	20.00	30
19	Software	Microsoft Office 365	100.00	50
14	Networking	Wi-Fi Router	80.00	25

11. SpareParts

SparePartID	SPartName	quantity
1	RAM 8GB	15
2	SSD 256GB	20
3	Motherboard ATX	10
4	Power Supply 500W	15
5	Graphics Card GTX	8

12. Inventory

InventoryID	quantity	ProductID	ToolID	SparePartID	MiscID	VendorID
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1	5	NULL	NULL	NULL	NULL	1
2	10	13	1	3	NULL	2
3	8	NULL	4	5	NULL	1

13. TechnicianProducts

TechProductsID	UsageDetails	ProductID	TechnicianID
1	Used for diagnostics	12	1
2	Sold to customer during repair	1	2
3	Installed as part of repair	19	3
4	Recommended	14	5

14. TechnicianTools

TechToolID	UsageDetails	ToolID	TechnicianID
1	Used for opening devices	1	1
2	Prevents static discharge	2	2
3	Applied thermal paste	3	3
4	Multimeter for diagnostics	4	4
5	Air duster for cleaning	5	5

PART 2: CREAT TABLES

```
CREATE DATABASE TIT;
USE TIT;

CREATE TABLE Company (
CompanyID INT PRIMARY KEY,
name VARCHAR(255) NOT NULL,
address VARCHAR(255),
phonenumber VARCHAR(15),
email VARCHAR(255)
);

CREATE TABLE Customer (
CustomerID INT PRIMARY KEY,
name VARCHAR(255) NOT NULL,
phonenumber VARCHAR(15) NOT NULL,
email VARCHAR(255)
);

CREATE TABLE Technician (
TechnicianID INT PRIMARY KEY,
name VARCHAR(255) NOT NULL,
phonenumber VARCHAR(15),
email VARCHAR(255)
);

CREATE TABLE TechnicianSkills (
TechSkillID INT PRIMARY KEY,
CertificationName VARCHAR(255) NOT NULL,
SkillName VARCHAR(255) NOT NULL,
TechnicianID INT,
FOREIGN KEY (TechnicianID) REFERENCES Technician(TechnicianID)
);

CREATE TABLE RepairServices (
ServiceID INT PRIMARY KEY,
serviceType VARCHAR(255) NOT NULL,
price DECIMAL(10, 2) NOT NULL
);

CREATE TABLE ServiceSchedules (
ScheduleID INT PRIMARY KEY,
date DATE NOT NULL,
time TIME NOT NULL,
CustomerID INT,
ServiceID INT,
TechnicianID INT,
FOREIGN KEY (CustomerID) REFERENCES Customer(CustomerID),
```

```
FOREIGN KEY (ServiceID) REFERENCES RepairServices(ServiceID),  
FOREIGN KEY (TechnicianID) REFERENCES Technician(TechnicianID)  
);
```

```
CREATE TABLE ToolsAndEquipment (  
ToolID INT PRIMARY KEY,  
ToolName VARCHAR(255) NOT NULL,  
quantity INT NOT NULL,  
price DECIMAL(10, 2) NOT NULL  
);
```

```
CREATE TABLE Vendor (  
VendorID INT PRIMARY KEY,  
VendorName VARCHAR(255) NOT NULL,  
ContactInfo VARCHAR(255)  
);
```

```
CREATE TABLE Miscellaneous (  
MiscID INT PRIMARY KEY,  
ItemName VARCHAR(255) NOT NULL,  
quantity INT NOT NULL  
);
```

```
CREATE TABLE Products (  
ProductID INT PRIMARY KEY,  
ProductType VARCHAR(255) NOT NULL,  
ProductName VARCHAR(255) NOT NULL,  
price DECIMAL(10, 2) NOT NULL,  
quantity INT NOT NULL  
);
```

```
CREATE TABLE SpareParts (  
SparePartID INT PRIMARY KEY,  
SPartName VARCHAR(255) NOT NULL,  
quantity INT NOT NULL  
);
```

```
CREATE TABLE Inventory (  
InventoryID INT PRIMARY KEY,  
quantity INT NOT NULL,  
ProductID INT,  
ToolID INT,  
SparePartID INT,  
MiscID INT,  
VendorID INT,  
FOREIGN KEY (ProductID) REFERENCES Products(ProductID),  
FOREIGN KEY (ToolID) REFERENCES ToolsAndEquipment(ToolID),
```

```
FOREIGN KEY (SparePartID) REFERENCES SpareParts(SparePartID),
FOREIGN KEY (MiscID) REFERENCES Miscellaneous(MiscID),
FOREIGN KEY (VendorID) REFERENCES Vendor(VendorID)
);
```

```
CREATE TABLE TechnicianProducts (
TechProductsID INT PRIMARY KEY,
UsageDetails VARCHAR(255) NOT NULL,
ProductID INT,
TechnicianID INT,
FOREIGN KEY (ProductID) REFERENCES Products(ProductID),
FOREIGN KEY (TechnicianID) REFERENCES Technician(TechnicianID)
);
```

```
CREATE TABLE TechnicianTools (
TechToolID INT PRIMARY KEY,
UsageDetails VARCHAR(255) NOT NULL,
ToolID INT,
TechnicianID INT,
FOREIGN KEY (ToolID) REFERENCES ToolsAndEquipment(ToolID),
FOREIGN KEY (TechnicianID) REFERENCES Technician(TechnicianID)
);
```

PART 3: INSERT TEST DATA

```
/* Data for the table 'Company'*/
INSERT INTO Company (CompanyID, name, address, phonenum, email)
VALUES
(1, 'TIT', '123 Main Street, Springfield, PA 19064', '555-1234', 'tit@techfix.com'),
(2, 'Penguins', '888 Powder Way, Bear, DE 19701', '555-2143', 'peguins@techinnova.com');

/* Data for the table 'Customer'*/
INSERT INTO Customer (CustomerID, name, phonenum, email)
VALUES
(101, 'John Doe', '267-328-5678', 'johndoe@gmail.com'),
(102, 'Lilvania Miller', '206-584-0183', 'lilmil@gmail.com'),
(103, 'Kacem Jaeger', '302-198-237', 'kajg@gmail.com'),
(104, 'Samatha Garcia', '215-465-0108', 'samcia@gmail.com'),
(105, 'Anthony Rodriguez', '610-697-1306', 'anrodri@gmail.com'),
(106, 'Tom Wilson', '682-328-1208', 'tomwilsn@email.com'),
(107, 'Mathew Brown', '317-123-5608', 'matbrn@email.com');

/* Data for the table 'Technician'*/
INSERT INTO Technician (TechnicianID, name, phonenum, email)
VALUES
(1, 'Alice Smith', '610-152-8765', 'as1@techfix.com'),
```



```

(2,'Beatrix Parker','215-898-452','bp2@techinnova.com'),
(3,'Brian Hayman','317-923-485','bh3@techfix.com'),
(4,'Ethen Norris II','680-931-0042','eno4@techinnova.com'),
(5,'Demond Williams','445-729-0182','dew5@techfox.com');

/* Data for the table 'Technicianskills'*/
INSERT INTO TechnicianSkills (TechSkillID, CertificationName, SkillName, TechnicianID)
VALUES
(11, 'CompTIA A+', 'Hardware Troubleshooting', 1),
(12, 'CompTIA Network+', 'Networking Setup', 2),
(13, 'Microsoft Certified', 'Software Troubleshooting', 3),
(14, 'CompTIA Security+', 'Cybersecurity Solutions', 4),
(15, 'Cisco Certified Network Associate (CCNA)', 'Network Configuration', 5);

/* Data for the table 'RepairServices'*/
INSERT INTO RepairServices (ServiceID, serviceType, price)
VALUES
(41, 'Virus Removal', 50.00),
(84, 'Hardware Replacement', 75.00),
(43, 'Data Recovery', 100.00),
(2, 'Screen Repair', 120.00),
(55, 'Networking Setup', 150.00);

/* Data for the table 'ServiceSchedules'*/
INSERT INTO ServiceSchedules (ScheduleID, date, time, CustomerID, ServiceID, TechnicianID)
VALUES
(22, '2024-12-02', '10:30:00', 101, 41, 1),
(33, '2024-12-03', '14:00:00', 102, 84, 2),
(42, '2024-12-04', '09:30:00', 103, 43, 3),
(55, '2024-12-05', '11:00:00', 104, 02, 4),
(66, '2024-12-06', '15:00:00', 105, 55, 5),
(411, '2024-12-11', '13:00:00', 106, 41, 2),
(512, '2024-12-12', '10:00:00', 107, 43, 4);

/* Data for the table 'ToolsAndEquipment'*/
INSERT INTO ToolsAndEquipment (ToolID, ToolName, quantity, price)
VALUES
(1, 'Screwdriver Set', 8, 25.00),
(2, 'Anti-static Wrist Strap', 15, 5.00),
(3, 'Thermal Paste', 25, 8.00),
(4, 'Multimeter', 10, 50.00),
(5, 'Compressed Air Duster', 30, 15.00);

/* Data for the table 'Vendor'*/
INSERT INTO Vendor (VendorID, VendorName, ContactInfo)
VALUES
(1, 'TechCo Supplies', '1234 Sunset Boulevard, Los Angeles, CA 90026, techco@gmail.com, 213-555-7890'),
(2, 'RepairTools Inc.', '5678 Pacific Coast Highway, Malibu, CA 90265, rtools@gmail.com, 310-555-1234');

/* Data for the table 'Miscellaneous'*/
INSERT INTO Miscellaneous (MiscID, ItemName, quantity)
VALUES

```

```

(1, 'Screws', 200),
(10, 'Isopropyl Alcohol', 50),
(5, 'Compressed Air Duster', 30);

/* Data for the table 'Products' */
INSERT INTO Products (ProductID, ProductType, ProductName, price, quantity)
VALUES
(12, 'Laptop', 'Dell Inspiron 15', 600.00, 20),
(13, 'Monitor', 'Samsung 24-inch', 150.00, 10),
(1, 'Accessory', 'Wireless Mouse', 20.00, 30),
(19, 'Software', 'Microsoft Office 365', 100.00, 50),
(14, 'Networking', 'WiFi Router', 80.00, 25);

/* Data for the table 'SpareParts' */
INSERT INTO SpareParts (SparePartID, SPartName, quantity)
VALUES
(1, 'RAM 8GB', 15),
(2, 'SSD 256GB', 20),
(3, 'Motherboard ATX', 10),
(4, 'Power Supply 500W', 15),
(5, 'Graphics Card GTX 1660', 8),
(6, 'Cooling Fan 120mm', 15);

/* Data for the table 'Inventory' */
INSERT INTO Inventory (InventoryID, quantity, ProductID, ToolID, SparePartID, MiscID, VendorID)
VALUES
(1, 5, NULL, NULL, NULL, NULL, 1),
(2, 10, 13, 1, 3, NULL, 2),
(3, 8, NULL, 4, 5, NULL, 1);

/* Data for the table 'TechnicianProducts' */
INSERT INTO TechnicianProducts (TechProductsID, UsageDetails, ProductID, TechnicianID)
VALUES
(1, 'Used for diagnostics', 12, 1),
(2, 'Sold to customer during repair', 1, 2),
(3, 'Installed as part of repair', 19, 3),
(4, 'Recommended for networking', 14, 5);

/* Data for the table 'TechnicianTools' */
INSERT INTO TechnicianTools (TechToolID, UsageDetails, ToolID, TechnicianID)
VALUES
(1, 'Used for opening devices', 1, 1),
(2, 'Prevents static discharge', 2, 2),
(3, 'Applied thermal paste', 3, 3),
(4, 'Multimeter for diagnostics', 4, 4),
(5, 'Air duster for cleaning', 5, 5);

```