DDL Statements for our Project

CREATE SCHEMA `complaints\_management\_service` ;

**→ Supplier Table DDL**

CREATE TABLE `SUPPLIER` (

`SupplierID` int NOT NULL,

`SupplierFname` varchar(45) NOT NULL,

`SupplierLname` varchar(45) NOT NULL,

`SupplierAddress` varchar(255) NOT NULL,

PRIMARY KEY (`SupplierID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**→ Manufacturing Site Table DDL**

CREATE TABLE `MANUFACTURING SITE` (

`MFGSiteNo` int NOT NULL,

`MFGSite\_FName` varchar(45) NOT NULL,

`MFGSite\_LName` varchar(45) NOT NULL,

`MFGSite\_Address` varchar(255) NOT NULL,

PRIMARY KEY (`MFGSiteNo`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**→ Supplies Table DDL**

CREATE TABLE `SUPPLIES` (

`SupplierID` int NOT NULL,

`MFGSiteNo` int NOT NULL,

KEY `SupplierID\_idx` (`SupplierID`),

KEY `MFGSiteNo\_idx` (`MFGSiteNo`),

CONSTRAINT `MFGSiteNo` FOREIGN KEY (`MFGSiteNo`) REFERENCES `MANUFACTURING SITE` (`MFGSiteNo`) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT `SupplierID` FOREIGN KEY (`SupplierID`) REFERENCES `SUPPLIER` (`SupplierID`) ON DELETE CASCADE ON UPDATE CASCADE

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**→ Non\_Conformance\_Report Table DDL**

CREATE TABLE `NON CONFORMANCE REPORT` (

`NCR#` int NOT NULL,

`NCR\_Date\_Created` datetime NOT NULL DEFAULT CURRENT\_TIMESTAMP,

`Field\_Action` varchar(255) NOT NULL,

PRIMARY KEY (`NCR#`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**→ Assigned Table DDL**

CREATE TABLE `ASSIGNED` (

`SupID` int NOT NULL,

`NCR#` int NOT NULL,

KEY `SupplierID\_idx` (`SupID`),

KEY `NCR#\_idx` (`NCR#`),

CONSTRAINT `NCR#` FOREIGN KEY (`NCR#`) REFERENCES `NON CONFORMANCE REPORT` (`NCR#`) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT `SupID` FOREIGN KEY (`SupID`) REFERENCES `SUPPLIER` (`SupplierID`) ON DELETE CASCADE ON UPDATE CASCADE

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**→ Reports Table DDL**

CREATE TABLE `REPORTS` (

`MFGSiteNumber` int NOT NULL,

`NCRReportNumber` int NOT NULL,

KEY `MFGSiteNumber\_idx` (`MFGSiteNumber`),

KEY `NCRReportNumber\_idx` (`NCRReportNumber`),

CONSTRAINT `MFGSiteNumber` FOREIGN KEY (`MFGSiteNumber`) REFERENCES `MANUFACTURING SITE` (`MFGSiteNo`) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT `NCRReportNumber` FOREIGN KEY (`NCRReportNumber`) REFERENCES `NON CONFORMANCE REPORT` (`NCR#`) ON DELETE CASCADE ON UPDATE CASCADE

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**→ Distributor Table DDL**

CREATE TABLE `DISTRIBUTOR` (

`DistributorID` int NOT NULL,

`DistributorFname` varchar(45) NOT NULL,

`DistributorLname` varchar(45) NOT NULL,

`DistributorAddress` varchar(255) NOT NULL,

`DateReceived` datetime DEFAULT CURRENT\_TIMESTAMP,

PRIMARY KEY (`DistributorID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**→ Distributes Table DDL**

CREATE TABLE `DISTRIBUTES` (

`MFGSite#` int NOT NULL,

`DistributorID` int NOT NULL,

KEY `MFGSite#\_idx` (`MFGSite#`),

KEY `DistributorID\_idx` (`DistributorID`),

CONSTRAINT `DistributorID` FOREIGN KEY (`DistributorID`) REFERENCES `DISTRIBUTOR` (`DistributorID`) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT `MFGSite#` FOREIGN KEY (`MFGSite#`) REFERENCES `MANUFACTURING SITE` (`MFGSiteNo`) ON DELETE CASCADE ON UPDATE CASCADE

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**→ Product Table DDL**

CREATE TABLE `PRODUCT` (

`ProductID` int NOT NULL,

`ProductName` varchar(150) NOT NULL,

`ProductMFGDate` datetime NOT NULL DEFAULT CURRENT\_TIMESTAMP,

`ProductLotNumber` int NOT NULL,

PRIMARY KEY (`ProductID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**→ Stores Table DDL**

CREATE TABLE `STORES` (

`DistributorIDNumber` int NOT NULL,

`ProductID` int NOT NULL,

KEY `DistributorIDNumber\_idx` (`DistributorIDNumber`),

KEY `ProductID\_idx` (`ProductID`),

CONSTRAINT `DistributorIDNumber` FOREIGN KEY (`DistributorIDNumber`) REFERENCES `DISTRIBUTOR` (`DistributorID`) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT `ProductID` FOREIGN KEY (`ProductID`) REFERENCES `PRODUCT` (`ProductID`) ON DELETE CASCADE ON UPDATE CASCADE

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**→ Customer Table DDL**

CREATE TABLE `CUSTOMER` (

`CustomerID` int NOT NULL,

`CustomerAccountCreationDate` datetime NOT NULL,

PRIMARY KEY (`CustomerID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**→ Sells Table DDL**

CREATE TABLE `SELLS` (

`DistributorNumber` int NOT NULL,

`CustomerNumber` int NOT NULL,

KEY `DistributorNumber\_idx` (`DistributorNumber`),

KEY `CustomerNumber\_idx` (`CustomerNumber`),

CONSTRAINT `CustomerNumber` FOREIGN KEY (`CustomerNumber`) REFERENCES `CUSTOMER` (`CustomerID`) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT `DistributorNumber` FOREIGN KEY (`DistributorNumber`) REFERENCES `DISTRIBUTOR` (`DistributorID`) ON DELETE CASCADE ON UPDATE CASCADE

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**→ EndUser Table DDL**

CREATE TABLE `ENDUSER` (

`EndUserID` int NOT NULL,

`EndUserFname` varchar(50) NOT NULL,

`EndUserLname` varchar(50) NOT NULL,

`EndUserAddress` varchar(255) NOT NULL,

`CustomerIDNumber` int NOT NULL,

PRIMARY KEY (`EndUserID`),

KEY `CustomerIDNumber\_idx` (`CustomerIDNumber`),

CONSTRAINT `CustomerIDNumber` FOREIGN KEY (`CustomerIDNumber`) REFERENCES `CUSTOMER` (`CustomerID`) ON DELETE CASCADE ON UPDATE CASCADE

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**→ CustomOrder Table DDL**

CREATE TABLE `CUSTOMORDER` (

`CO\_ID` int NOT NULL,

`CO\_Ordered` varchar(255) NOT NULL,

`CO\_Specs` varchar(255) NOT NULL,

`CO\_DeliveredDate` datetime DEFAULT CURRENT\_TIMESTAMP,

`EndUserID` int NOT NULL,

`MFGSiteIDNumber` int NOT NULL,

PRIMARY KEY (`CO\_ID`),

KEY `EndUserID\_idx` (`EndUserID`),

KEY `MFGSiteIDNumber\_idx` (`MFGSiteIDNumber`),

CONSTRAINT `EndUserID` FOREIGN KEY (`EndUserID`) REFERENCES `ENDUSER` (`EndUserID`) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT `MFGSiteIDNumber` FOREIGN KEY (`MFGSiteIDNumber`) REFERENCES `MANUFACTURING SITE` (`MFGSiteNo`) ON DELETE CASCADE ON UPDATE CASCADE

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**→ Hospital Table DDL**

CREATE TABLE `HOSPITAL` (

`HospitalID` int NOT NULL,

`HospitalFname` varchar(50) NOT NULL,

`HospitalLname` varchar(50) NOT NULL,

`HospitalAddress` varchar(255) NOT NULL,

`CustomerID` int NOT NULL,

PRIMARY KEY (`HospitalID`),

KEY `CustomerID\_idx` (`CustomerID`),

CONSTRAINT `CustomerID` FOREIGN KEY (`CustomerID`) REFERENCES `CUSTOMER` (`CustomerID`) ON DELETE CASCADE ON UPDATE CASCADE

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

**→ Complaint Table DDL**

CREATE TABLE `COMPLAINT` (

`ComplaintID` int NOT NULL,

`ComplaintDescription` varchar(500) NOT NULL,

`Customer#` int NOT NULL,

PRIMARY KEY (`ComplaintID`),

KEY `Customer#\_idx` (`Customer#`),

CONSTRAINT `Customer#` FOREIGN KEY (`Customer#`) REFERENCES `CUSTOMER` (`CustomerID`) ON DELETE CASCADE ON UPDATE CASCADE

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci