DIPLOMA IN SOFTWARE ENGINEERING 24.1F

FINAL PROJECT

APPERAL INNVOVATION EXPORT MANAGEMENT SYSTEM

GROUP 10

File Design

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STAFF PROFILE

Primary Key: StaffProfileID

Foreign Key: N/A

Field Name	Data Type	Data Size	Description
StaffProfileID	VARCHAR	10	Unique ID for each staff profile.
FirstName	VARCHAR	10	Staff first name.
LastName	VARCHAR	10	Staff last name.
Email	VARCHAR	40	Staff email address.
EnrollmentDate	DATETIME	N/A	Date of joining.
Address	VARCHAR	255	Staff home address.
JobTitle	VARCHAR	40	Staff job designation.
Gender	VARCHAR	10	Gender of the staff.
Age	INT	3	Age of the staff member.
NIC	VARCHAR	10	NIC no of the staff member.

Record Size:175

STAF FPROFILE-CONTACT

Primary Key: StaffProfileID

Foreign Key: N/A

Field Name	Data Type	Data Size	Description
StaffProfileID	VARCHAR	10	Foreign key linking to the **StaffProfile** table, uniquely identifies a staff member.
TelephoneNo	INT	10	Staff member's telephone number. Supports international formats

Record Size:20

CHAIRMAN

Primary Key: ChairmanID

Foreign Key: StaffProfileID

Field Name	Data Type	Data Size	Description
ChairmanID	VARCHAR	10	Unique ID for the chairman.
StaffProfileID	VARCHAR	10	Foreign key linking to staff.
ManagedStaffCount	INT	50	Number of staff managed.

Record Size:70

FEEDBACK

Primary Key: ChairmanID

Foreign Key: FeedbackID

Field Name	Data Type	Data Size	Description
ChairmanID	VARCHAR	10	Unique ID for feedback.
FeedbackID	VARCHAR	10	Foreign key linking to chairman.

Record Size:20

STAFFPROFFILE- FEEDBACK

Primary Key: SFeedbackID

Foreign Key: ChairmanID, StaffProfileID

Field Name	Data Type	Data Size	Description
SFeedbackID	VARCHAR	10	Unique ID for staff feedback.
ChairmanID	VARCHAR	10	Foreign key linking to the **Chairman** table, identifies the chairman who handled the feedback.
StaffProfileID	VARCHAR	10	Foreign key linking to the **StaffProfile** table, identifies the staff member.
SFeedbackType	VARCHAR	10	Type of feedback (e.g., Complaint, Suggestion, Appreciation).
SFeedbackText	VARCHAR	50	Detailed feedback provided by the staff.
SFeedbackDate	DATRTIME	N/A	Date when the feedback was submitted.

Record Size:90

CLIENT-FEEDBACK

Primary Key: CFeedbackID

Foreign Key: ChairmanID, ClientID

Field Name	Data Type	Data Size	Description
CFeedbackID	String	10	Unique ID for each client feedback record.
ChairmanID	String	10	Foreign key linking to the **Chairman** table, identifies the chairman overseeing this feedback.
ClientID	String	10	Foreign key linking to the **Client** table, identifies the client providing feedback.
CFeedbackType	String	10	Type of feedback (e.g., Complaint, Suggestion, Appreciation).
CFeedbackText	String	20	Detailed feedback provided by the client.
CFeedbackDate	Date	N/A	The date when the feedback was submitted by the client.

Record Size:60

FINANCIAL REPORT

Primary Key: FinancialReportID

Foreign Key: ChairmanID, FinancialOfficerID

Field Name	Data Type	Data Size	Description
FReportID	VARCHAR	10	Unique ID for financial reports.
FReportName	VARCHAR	10	Name of the financial report.
FReportType	VARCHAR	10	Type of the financial report.
FReportIssueDate	DATETIME	N/A	Date the report was issued.
ChairmanID	VARCHAR	10	Foreign key linking to financial officer.
FinancialOfficerID	VARCHAR	10	Foreign key linking to chairman.

Record Size:50

TASK

Primary Key: TaskID

Foreign Key: ChairmanID, DirectorID

Field Name	Data Type	Data Size	Description
TaskID	VARCHAR	10	Unique ID for a task.
ChairmanID	VARCHAR	10	Foreign key linking to chairman.
DirectorID	VARCHAR	10	Foreign key linking to the **Director** table, identifies the director responsible for the task.
TaskName	VARCHAR	100	Name or title of the task.
TaskIssuedDate	DATETIME	N/A	The date when the task was issued.

Record Size:130

TASK-TYPE

Primary Key: TaskID

Foreign Key: N/A

Field Name	Data Type	Data Size	Description
TaskID	VARCHAR	10	Foreign key linking to tasks.
TaskType	VARCHAR	20	Type of the task.

Record Size: 30

DELIVERY SCHEDULE

Primary Key: DeliveryID

Foreign Key: ChairmanID

Field Name	Data Type	Data Size	Description
DeliveryID	VARCHAR	10	Unique ID for delivery.
ChairmanID	VARCHAR	10	Foreign key linking to chairman.
DeliveryStatus	VARCHAR	20	Status of the delivery.
DeliveryDate	DATETIME	N/A	Date of the delivery.

Record Size: 40

DELIVERY-ITEM

Primary Key: DeliveryID

Foreign Key: N/A

Field Name	Data Type	Data Size	Description
DeliverID	VARCHAR	10	Unique ID for Delivery
DeliveryItem	VARCHAR	20	Items of the delivery

Record Size:30

DIRECTOR

Primary Key: DirectorID

Foreign Key: StaffProfileID

Field Name	Data Type	Data Size	Description
DirectorID	VARCHAR	10	Unique ID for the director.
StaffProfileID	VARCHAR	10	Foreign key linking to staff.
ManagedProject	INT	4	Number of projects managed.

Record Size:120

DEPARTMMENT REPORT

Primary Key: DepartmentReportID

Foreign Key: DirectorID

Field Name	Data Type	Data Size	Description
DepartmentReportID	VARCHAR	10	Unique ID for each department report.
DirectorID	VARCHAR	10	Foreign key linking to the **Director** table, identifies the director responsible for the report.
DepartmentReportInfo	VARCHAR	100	Detailed information about the department report.
DepartmentReportName	VARCHAR	20	Name or title of the department report.

Record Size:140

RESOURCE ORDER

Primary Key: ResourceOrderID

Foreign Key: DirectorID

Field Name	Data Type	Data Size	Description
ResourceOrderID	VARCHAR	10	Unique ID for each resource order.
DirectorID	VARCHAR	10	Foreign key linking to the **Director** table, identifies the director responsible for the order.
ResourceOrderStatus	VARCHAR	50	Status of the order (e.g., Pending, Approved, Delivered).
ResourceOrderName	VARCHAR	20	Name or title of the resource order.

Record Size:90

PRODUCTION SCHEDULE

Primary Key: ProductionScheduleID

Foreign Key: DirectorID

Field Name	Data Type	Data Size	Description
ProductionScheduleID	VARCHAR	10	Unique ID for each production schedule.
DirectorID	VARCHAR	10	Foreign key linking to the **Director** table, identifies the director overseeing the schedule.
ProductionScheduleItem	VARCHAR	100	Name or title of the item in the production schedule.
ProductionScheduleDate	DATETIME	N/A	Date of the production schedule.

Record Size:120

GENERAL MANAGER

Primary Key: GeneralManagerID

Foreign Key: StaffProfileID

Field Name	Data Type	Data Size	Description
GeneralManagerID	VARCHAR	10	Unique ID for the general manager.
StaffProfileID	VARCHAR	10	Foreign key linking to staff.
ProjectCount	INT	20	Number of projects managed.

Record Size:40

FACTORY OPERATION

Primary Key: N/A

Foreign Key: GeneralManagerID

Field Name	Data Type	Data Size	Description
GeneralManagerID	VARCHAR	10	Foreign key linking to the General Manager table, identifies the manager overseeing the operation.
FactoryOperationInfo	VARCHAR	10	Detailed information about the factory operation.
FactoryOperationDate	DATETIME	N/A	Date when the factory operation took place.

Record Size:20

DAILY SCHEDULE

Primary Key: N/A

Foreign Key: GeneralManagerID

Field Name	Data Type	Data Size	Description
GeneralManagerID	VARCHAR	10	Foreign key linking to the General Manager table
DailyScheduleDate	DATETIME	N/A	Date of the daily schedule
DailyScheduleInfo	VARCHAR	100	Detailed information about the daily schedule

Record Size:110

PRODUCTIVITY LEVEL

Primary Key: ProductivityLevelID

Foreign Key: GeneralMaanagerID, WorkerID

Field Name	Data Type	Data Size	Description
ProductivityLevelID	VARCHAR	10	Unique ID for the Productivity level
GeneralMaanagerID	VARCHAR	10	Refers to the General Manager responsible for the productivity.
WorkerID	VARCHAR	10	Refers to the worker associated with this productivity record.
ProductivityLevelPrecentage	DECIMAL	5/2	Represents the productivity level percentage.
ProductivityLevelDate	DATETIME	N/A	The date on which the productivity level is recorded.
ProductivityLevelTask	VARCHAR	255	Describes the task associated with the productivity level.

Record Size:330

LEAVE REQUEST

Primary Key: LeaveRequestID

Foreign Key: GeneralMaanagerID

Field Name	Data Type	Data Size	Description
LeaveRequestID	VARCHAR	10	Unique identifier for each leave request.
GeneralManagerID	VARCHAR	10	Refers to the General Manager handling the leave request.
StartDate	DATETIME	N/A	The start date of the leave.
EndDate	DATETIME	N/A	The end date of the leave.
LeaveRequestStatement	VARCHAR	255	A detailed statement or explanation for the leave request.
Request_Type	VARCHAR	50	Type of leave being requested. e.g., Sick Leave, Annual Leave

Record Size:325

PURCHASE ORDER

Primary Key: PurchaseID

Foreign Key: GeneralManagerID

Field Name	Data Type	Data Size	Description
PurchaseID	VARCHAR	10	Unique identifier for each purchase order.
PurchaseItemName	VARCHAR	255	The name or description of the purchased item.
PurchaseCost	DECIMAL	(10,2)	The cost associated with the purchase of the item.
GeneralManagerID	VARCHAR	10	Refers to the General Manager handling the purchase order.

Record Size:325

PURCHASE QUANTITY

Primary Key: PurchaseID

Foreign Key: N/A

Field Name	Data Type	Data Size	Description
PurchaseID	VARCHAR	10	Unique identifier for each purchase order.
Quantity	INT	3/4	The number of items being purchased.

Record Size:13/14

PRODUCTION REPORT

Primary Key: ProductionReportID

Foreign Key: GeneralManagerID

Field Name	Data Type	Data Size	Description
ProductionReportID	VARCHAR	10	Unique identifier for each production report.
GeneralManagerID	VARCHAR	10	Refers to the General Manager responsible for the report.
ProductionReportName	VARCHAR	50	A descriptive name for the production report.
ProductionReportData	VARCHAR	255	The detailed data or content of the production report.
ProductionReportDate	DATETIME	N/A	The date on which the production report was created

Record Size:325

FINANCIAL OFFICER

Primary Key: FinancialOfficerID

Foreign Key: StaffProfileID

Field Name	Data Type	Data Size	Description
FinancialOfficerID	VARCHAR	10	Unique identifier for each financial officer.
StaffProfileID	VARCHAR	10	Refers to the staff profile associated with the financial officer.
Qualification	VARCHAR	255	The academic or professional qualifications of the financial officer.

Record Size:315

FINANCIAL PLAN

Primary Key: FinancialPlanID

Foreign Key: FinancialOfficerID

Field Name	Data Type	Data Size	Description
FinancialPlanID	VARCHAR	10	Unique identifier for each financial plan.
FinancialPlanName	VARCHAR	50	A descriptive name for the financial plan.
FinancialPlanDetails	VARCHAR	255	The details or content of the financial plan.
FinancialOfficerID	VARCHAR	10	Refers to the financial officer responsible for the financial plan.

Record Size:365

FINANCIAL BUDGET

Primary Key: BudgetID

Foreign Key: FinancialOfficerID

Field Name	Data Type	Data Size	Description
BudgetID	VARCHAR	10	Unique identifier for each budget.
BudgetDetails	VARCHAR	255	The specifics or breakdown of the budget.
FinancialOfficerID	VARCHAR	10	Refers to the financial officer responsible for the budget.

Record Size:275

ACCOUNT

Primary Key: <u>AccountID</u>

Foreign Key: FinancialOfficerID

Field Name	Data Type	Data Size	Description
AccountID	INT	20	Unique identifier for each account.
AccountName	VARCHAR	50	A descriptive name for the account.
AccountPassword	VARCHAR	20	The password associated with the account (stored securely).
FinancialOfficerID	VARCHAR	10	Refers to the financial officer managing the account.

Record Size:100

PROFIT&LOSS

Primary Key: <u>StatementID</u>

Foreign Key: FinancialOfficerID

Field Name	Data Type	Data Size	Description
StatementID	VARCHAR	10	Unique identifier for each profit and loss statement.
StatementDate	DATETIME	N/A	The date when the profit and loss statement was created.
StatementDescription	VARCHAR	255	A detailed description or notes about the profit and loss statement.
FinancialOfficerID	VARCHAR	10	Refers to the financial officer responsible for the statement.

Record Size:315

EXPENSES

Primary Key: ExpensesID

Foreign Key: FinancialOfficerID

Field Name	Data Type	Data Size	Description
ExpensesID	VARCHAR	10	Unique identifier for each expense record.
FinancialOfficerID	VARCHAR	10	Refers to the financial officer responsible for the expense.
ExpensesAmount	DECIMAL	(10,2)	The monetary value of the expense.
ExpensesDate	DATETIME	N/A	The date when the expense was recorded.

Record Size:30

REVENUE

Primary Key: RevenueID

Foreign Key: FinancialOfficerID

Field Name	Data Type	Data Size	Description
RevenueID	VARCHAR	10	Unique identifier for each revenue record.
FinancialOfficerID	VARCHAR	10	Refers to the financial officer responsible for the revenue.
RevenueDate	DATETIME	N/A	The date when the revenue was recorded.
RevenueAmount	DECIMAL	(10,2)	The monetary value of the revenue.

Record Size:30

FINANCIAL TRANSACTION

Primary Key: TransactionID

Foreign Key: FinancialOfficerID

Field Name	Data Type	Data Size	Description
TransactionID	VARCHAR	10	Unique identifier for each transaction record.
TransactionDetails	VARCHAR	255	Information about the transaction, such as purpose or items involved.
TransactionAmount	DECIMAL	10,2	The monetary value of the transaction.
TransactionStatus	VARCHAR	20	Indicates the status, e.g., Completed, Pending, or Canceled.

Record Size:295

PAYROLL EXECUTIVE

Primary Key: PayrollExecutiveID

Foreign Key: StaffProfileID

Field Name	Data Type	Data Size	Description
PayrollExecutiveID	VARCHAR	10	Unique identifier for each payroll executive.
StaffProfileID	VARCHAR	10	Refers to the staff profile associated with the payroll executive.
PayrollHistory	VARCHAR	255	A record of the payroll activities and changes managed by the executive.

Record Size:275

SALARY

Primary Key: SalaryID

Foreign Key: PayrollExecutive

Field Name	Data Type	Data Size	Description
SalaryID	VARCHAR	10	Unique identifier for each salary record.
BaseSalary	DECIMAL	10,2	The fixed base salary amount for the employee.
OTHours	INT	2,3	The total overtime hours worked by the employee.
OTPayRate	DECIMAL	10,2	The rate at which overtime is compensated.
FinalSalary	DECIMAL	10,2	The final calculated salary including overtime pay.
PayrollExecutiveID	VARCHAR	10	Refers to the payroll executive responsible for this salary record.

Record Size:52

PAYSLIP

Primary Key: PaySlipID

Foreign Key: PayrollExecutive

Field Name	Data Type	Data Size	Description
PaySlipID	VARCHAR	10	Unique identifier for each pay slip record.
PayrollExecutiveID	VARCHAR	10	Refers to the payroll executive responsible for issuing the pay slip.
TaxDeduction	DECIMAL	10,2	The total amount deducted from the salary for taxes.
SalaryDetails	VARCHAR	50	A breakdown of the salary components, including basic pay, allowances, deductions, etc.

NetSalary	DECIMAL	10,2	The final salary amount after all deductions, including tax.

Record Size:90

PAYROLL RECORD

Primary Key: PayrollRecordID

Foreign Key: PayrollExecutiveID

Field Name	Data Type	Data Size	Description
PayrollRecordID	VARCHAR	10	Unique identifier for each payroll record.
PayrollExecutiveID	VARCHAR	10	Refers to the payroll executive responsible for this payroll record.
PaySlipInfo	VARCHAR	100	Details or summary related to the pay slip
SalaryInfo	VARCHAR	100	Breakdown of salary components such as base pay, allowances, deductions, etc.

Record Size:220

OT

Primary Key: OTID

Foreign Key: PayrollExecutiveID

Field Name	Data Type	Data Size	Description
OTID	VARCHAR	10	Unique identifier for each overtime record.
WorkedHours	INT	2,3	The total number of overtime hours worked by an employee.
OTTimeRate	DECIMAL	10,2	The rate at which overtime hours are compensated.
PayrollExecutiveID	VARCHAR	10	Refers to the payroll executive responsible for this OT record.

Record Size:35

ADVANCE PAYMENT

Primary Key: AdvancePaymentID

Foreign Key: PayrollExecutiveID

Field Name	Data Type	Data Size	Description
AdvancePaymentID	VARCHAR	10	Unique identifier for each advance payment record.
PayrollExecutiveID	VARCHAR	10	Refers to the payroll executive responsible for this advance payment.
AdvancePaymentDate	DATETIME	N/A	The date when the advance payment was made.
AdvancePaymentAmount	DECIMAL	10,2	The monetary value of the advance payment given to the employee.

Record Size:30

BENIFIT

Primary Key: BenifitID

Foreign Key: PayrollExecutiveID

Field Name	Data Type	Data Size	Description
BenefitID	VARCHAR	10	Unique identifier for each special benefit record.
PayrollExecutiveID	VARCHAR	10	Refers to the payroll executive responsible for managing the benefit.
BenefitDescription	VARCHAR	255	A detailed description of the benefit provided.
BenefitAmount	DECIMAL	10,2	The amount or value of the special benefit.

Record Size:25

TAX

Primary Key: TaxID

Foreign Key: PayrollExecutiveID

Field Name	Data Type	Data Size	Description
TaxID	VARCHAR	10	Unique identifier for each tax record.
PayrollExecutiveID	VARCHAR	10	Refers to the payroll executive responsible for managing the tax.
TaxPercentage	DECIMAL	5,2	The tax rate applied as a percentage.
TaxDescription	VARCHAR	255	A detailed description of the tax type or category.

Record Size:280

PAYMENT

Primary Key: PaymentID

Foreign Key: PayrollExecutiveID

Field Name	Data Type	Data Size	Description
PaymentID	VARCHAR	10	Unique identifier for each payment record.
PayrollExecutiveID	VARCHAR	10	Refers to the payroll executive responsible for the payment.
PaymentDetails	VARCHAR	50	Describes the payment, including purpose or method.
PaymentAmount	DECIMAL	10,2	The monetary value of the payment
PaymentDate	DATETIME	N/A	The date when the payment was made.
PaymentMethod	VARCHAR	50	The method used for the payment, e.g., Cash, Credit Card, Bank Transfer.

Record Size:130

TECHNICAL MANAGER

Primary Key: TechnicalManagerID

Foreign Key: StaffProfileID

Field Name	Data Type	Data Size	Description
TechnicalManagerID	VARCHAR	10	Unique identifier for each technical manager.
StaffProfileID	VARCHAR	10	Refers to the staff profile associated with the technical manager.
TechnicalExpertise	VARCHAR	50	The areas of technical expertise or specialization of the manager.

Record Size:70

TECHNICAL REPORT

Primary Key: TechnicalReportID

Foreign Key: TechnicalManagerID

Field Name	Data Type	Data Size	Description
TechnicalReportID	VARCHAR	10	Unique identifier for each technical report.
TechnicalManagerID	VARCHAR	10	Refers to the technical manager responsible for the report.
ReportDetails	VARCHAR	50	The content or findings included in the technical report.
ReportDate	DATETIME	N/A	The date when the technical report was created.

Record Size:70

PURCHASING MANAGER

Primary Key: PurchasingManagerID

Foreign Key: StaffProfileID

Field Name	Data Type	Data Size	Description
PurchasingManagerID	VARCHAR	10	Unique identifier for each purchasing manager.
StaffProfileID	VARCHAR	10	Refers to the staff profile associated with the purchasing manager.
SuppliersHandled	VARCHAR	50	Information about the suppliers managed by the purchasing manager.

Record Size:70

MATERIAL REQUIREMENT

Primary Key: MaterialRequirementID

Foreign Key: PurchasingManagerID, StoresManagerID

Field Name	Data Type	Data Size	Description
MaterialRequirementID	VARCHAR	10	Unique identifier for each material requirement record.
MaterialName	VARCHAR	10	The name or description of the material needed.
Quantity	INT	2,3,4	The quantity of the material required for a project or task.
PurchasingManagerID	VARCHAR	10	Refers to the purchasing manager handling the material requirement.
StoresManagerID	VARCHAR	10	Refers to the stores manager associated with the material.

Record Size:44

MATERIAL QUANTITY

Primary Key: MaterialRequirementID

Foreign Key: N/A

Field Name	Data Type	Data Size	Description
MaterialRequirementID	VARCHAR	10	Unique identifier for each material requirement record.
Quantity	INT	2,3	The quantity of the material required for a project or task.

Record Size:15

SUPPLIER

Primary Key: SupplierID

Foreign Key: PurchasingManagerID

Field Name	Data Type	Data Size	Description
SupplierID	VARCHAR	10	Unique identifier for each supplier.
PurchasingManagerID	VARCHAR	10	Refers to the purchasing manager managing this supplier.
SupplierName	VARCHAR	255	The name of the supplier or company providing materials.
SupplierEmail	VARCHAR	255	The contact email of the supplier.
SupplierAddress	VARCHAR	255	The physical address of the supplier's office or warehouse.

Record Size:785

SUPPLIER CONTACT

Primary Key: SupplierID

Foreign Key: N/A

Field Name	Data Type	Data Size	Description
SupplierID	VARCHAR	10	Unique identifier for each supplier.
TelephoneNo	INT	10	The phone number for reaching the supplier.

Record Size:20

SUPPLIER ISSUE

Primary Key: SupplierIssueID

Foreign Key: PurchasingManagerID

Field Name	Data Type	Data Size	Description
SupplierIssueID	VARCHAR	10	Unique identifier for each supplier issue record.
PurchasingManagerID	VARCHAR	10	Refers to the purchasing manager handling the issue.
IssueDetails	VARCHAR	255	Describes the problem or issue encountered with the supplier.

Record Size:275

SUPPLIER CONTRACT

Primary Key: SupplierContractID

Foreign Key: PurchasingManagerID

Field Name	Data Type	Data Size	Description
SupplierContractID	VARCHAR	10	Unique identifier for each supplier contract record.
ContractDetails	VARCHAR	255	Detailed information about the contract terms and conditions.
ContractStartDate	DATETIME	N/A	The starting date of the contract.
ContractEndDate	DATETIME	N/A	The ending date of the contract.
PurchasingManagerID	VARCHAR	10	Refers to the purchasing manager managing the contract.

Record Size:275

COMMERCIAL EXECUTIVE

Primary Key: CommercialExecutiveID

Foreign Key: StaffProfileID

Field Name	Data Type	Data Size	Description
CommercialExecutiveID	VARCHAR	10	Unique identifier for each commercial executive.
StaffProfileID	VARCHAR	10	Refers to the staff profile associated with the commercial executive.
ProjectsCurrentlyHandling	INT	2,3	Information about the projects currently managed by the executive.

Record Size:22,23

INDIRECT ORDER

Primary Key: <u>IndirectOrderID</u>

Foreign Key: CommercialExecutiveID

Field Name	Data Type	Data Size	Description
IndirectOrderID	VARCHAR	10	Unique identifier for each indirect order.
CommercialExecutiveID	VARCHAR	10	Refers to the commercial executive managing the order.
IndirectOrderInfo	VARCHAR	255	Describes the details of the indirect order.
IndirectOrderPrice	DECIMAL	10,12	The total cost associated with the indirect order.
IndirectOrderDate	DATETIME	N/A	The date when the indirect order was placed.

Record Size:25

CLIENT

Primary Key: ClientID

Foreign Key: N/A

Field Name	Data Type	Data Size	Description
ClientID	VARCHAR	10	Unique identifier for each client.
FirstName	VARCHAR	20	The first name of the client.
LastName	VARCHAR	20	The last name of the client.
Address	VARCHAR	50	The physical or mailing address of the client.
CommercialExecutiveID	VARCHAR	10	Refers to the commercial executive handling the client.

Record Size:110

CLIENT CONTACT

Primary Key: ClientID

Foreign Key: N/A

Field Name	Data Type	Data Size	Description
ClientID	VARCHAR	10	Unique identifier for each client.
TelephoneNo	INT	10	The phone number for reaching the client.

Record Size:20

CLIENT ORDER

Primary Key: ClientOrderID

Foreign Key: CommercialExecutiveID

Field Name	Data Type	Data Size	Description
ClientOrderID	VARCHAR	10	Unique identifier for each client order.
CommercialExecutiveID	VARCHAR	10	Refers to the commercial executive managing the client order.
ClientOrderDetails	VARCHAR	255	Describes the items or services included in the client order.
ClientOrderDate	DATETIME	N/A	The date when the client order was placed.
ClientOrderPrice	DECIMAL	10,12	The total cost associated with the client order.

Record Size:285

CLIENTORDER-QUANTITY

Primary Key: <u>ClientOrderID</u>

Foreign Key: N/A

Field Name	Data Type	Data Size	Description
ClientOrderID	VARCHAR	10	Unique identifier for each client order.
Quantity	INT	2,3,4	The quantity of the product ordered by the client.

Record Size:15

CLIENT CONTRACT

Primary Key: <u>ClientContractID</u>

Foreign Key: CommercialExecutiveID

Field Name	Data Type	Data Size	Description
ClientContractID	VARCHAR	10	Unique identifier for each client contract.
CommercialExecutiveID	VARCHAR	10	Refers to the commercial executive managing the client contract.
ContractStartDate	DATETIME	N/A	The starting date of the contract.
ContractEndDate	DATETIME	N/A	The ending date of the contract.
ContractDetails	VARCHAR	255	Describes the terms and conditions of the client contract.

Record Size:275

CART

Primary Key: CartID

Foreign Key: CommercialExecutiveID

Field Name	Data Type	Data Size	Description
CartID	VARCHAR	10	Unique identifier for each cart.
CartDetails	VARCHAR	255	Describes the items or services included in the cart.
CartOrderDate	DATETIME	N/A	The date when items were added to the cart.
CartPrice	DECIMAL	10,12	The total cost of the items in the cart.

Record Size:275

CART-QUANTITY

Primary Key: CartID

Foreign Key: N/A

Field Name	Data Type	Data Size	Description
CartID	VARCHAR	10	Unique identifier for each cart.
Quantity	INT	2,3,4	The total quantity of items in the cart.

Record Size:15

PLANT MANAGER

Primary Key: PlantManagerID

Foreign Key: StaffProfileID

Field Name	Data Type	Data Size	Description
PlantManagerID	VARCHAR	10	Unique identifier for each plant manager.
StaffProfileID	VARCHAR	10	Refers to the staff profile associated with the plant manager.
ProductManaged	INT	2,3	Information about the products or processes managed by the plant manager.

Record Size:22

MACHIENERY & EQUIPMENT

Primary Key: MachineryID

Foreign Key: PlantManagerID

Field Name	Data Type	Data Size	Description
MachineryID	VARCHAR	10	Unique identifier for each piece of machinery or equipment.
PlantManagerID	VARCHAR	10	Refers to the plant manager responsible for the machinery.
MachineryDetails	VARCHAR	255	Describes the type, model, or specifications of the machinery.
MachineryPrice	DECIMAL	10,12	The cost of purchasing the machinery or equipment.
PurchaseDate	DATETIME	N/A	The date when the machinery or equipment was purchased.
MachineryStatus	VARCHAR	20	Indicates the current status, e.g., Active, Under Maintenance.

Record Size:305

PRODUCT

Primary Key: ProductID

Foreign Key: PlantManagerID, CustomerDesignID, SalesID

Field Name	Data Type	Data Size	Description
ProductID	VARCHAR	10	Unique identifier for each product.
PlantManagerID	VARCHAR	10	Refers to the plant manager overseeing the product's manufacturing.
ProductDetails	VARCHAR	255	Describes the specifications, features, or type of the product.
CustomerDesignID	VARCHAR	10	Refers to the design provided by the customer, if applicable.
SalesID	VARCHAR	10	Refers to the sales record associated with the product.

Record Size:295

PRODUCT-   QUANTITY

Primary Key: ProductID

Foreign Key: N/A

Field Name	Data Type	Data Size	Description
ProductID	VARCHAR	10	Unique identifier for each product.
Quantity	INT	2,3	The quantity of the product available in stock.

Record Size:12

PRODUCT MANUFACTURING PROCESS

Primary Key: ProductManufacturingID

Foreign Key: PlantManagerID

Field Name	Data Type	Data Size	Description
ProductManufacturingID	VARCHAR	10	Unique identifier for each manufacturing process record.
ManufacturingDetails	VARCHAR	255	Describes the steps or stages involved in the manufacturing process.
PlantManagerID	VARCHAR	10	Refers to the plant manager overseeing the manufacturing process.

Record Size:275

HR&COMPLIANCE MANAGER

Primary Key: ComplienceID

Foreign Key: StaffProfileID

Field Name	Data Type	Data Size	Description
ComplienceID	VARCHAR	10	Unique identifier for each HR and compliance record.
StaffProfileID	VARCHAR	10	Refers to the staff profile associated with HR and compliance.
ManagedWorkersCount	INT	2,3	The total number of workers managed under compliance regulations.

Record Size:22

WORKER

Primary Key: WorkerID

Foreign Key: ComplianceID

Field Name	Data Type	Data Size	Description
WorkerID	VARCHAR	1O	Unique identifier for each worker.
FirstName	VARCHAR	20	The first name of the worker.
LastName	VARCHAR	20	The last name of the worker.
Email	VARCHAR	50	The contact email of the worker.
ComplianceID	VARCHAR	10	Refers to the compliance record associated with the worker.

Record Size:10

WORKER -CONTACT

Primary Key: WorkerID

Foreign Key: N/A

Field Name	Data Type	Data Size	Description
WorkerID	VARCHAR	10	Unique identifier for each worker.
TelephoneNo	INT	10	The phone number for reaching the worker.

Record Size:20

STORES MANAGER

Primary Key: StoresManagerID

Foreign Key: StaffProfileID

Field Name	Data Type	Data Size	Description
StoresManagerID	VARCHAR	10	Unique identifier for the stores manager
StaffProfileID	VARCHAR	10	Foreign key linking to the staff profile
InventorysManaged	VARCHAR	50	Details of inventories managed by the manager.

Record Size: 70

INVENTORY REPORT

Primary Key: InventoryReportID

Foreign Key: StoresManagerID

Field Name	Data Type	Data Size	Description
InventoryReportID	VARCHAR	10	Unique identifier for the inventory report.
InventoryReportName	VARCHAR	20	Name or title of the inventory report.
MaterialInventoryStock	VARCHAR	10	Total inventory stock covered in the report
StoresManagerID	VARCHAR	10	Identifier for the stores manager responsible for the report

Record Size: 50

INVENTORY

Primary Key: InventoryID

Foreign Key: StoresManagerID

Field Name	Data Type	Data Size	Description
InventoryID	VARCHAR	10	Unique identifier for the inventory item
InventoryDetails	VARCHAR	255	Description or details of the inventory item.
InventoryStock	VARCHAR	10	Total stock quantity of the inventory item
StoresManagerID	VARCHAR	10	Identifier for the stores manager responsible for the inventory

Record Size: 285

INVENTORY QUANTITY

Primary Key: InventoryID

Foreign Key: N/A

Field Name	Data Type	Data Size	Description
InventoryID	VARCHAR	10	Unique identifier for the inventory.
Quantity	INT	5	Quantity of inventory

Record Size: 15

MATERIAL DISTRIBUTION

Primary Key: MaterialDistributionID

Foreign Key: StoresManagerID

Field Name	Data Type	Data Size	Description
MaterialDistributionID	VARCHAR	10	Unique identifier for material distribution.
MaterialDistributionStock	INT	4	Amount of material available in stock.
MaterialDistributionDetails	VARCHAR	255	Detailed description of the material.
StoresManagerID	VARCHAR	10	Identifier for the associated stores manager.

Record Size: 279

MATERIAL DISTRIBUTION QUANTITY

Primary Key: MaterialDistributionID

Foreign Key: N/A

Field Name	Data Type	Data Size	Description
MaterialDistributionID	VARCHAR	10	Unique identifier for the material distribution
Quantity	INT	4	The quantity of materials distributed.

Record Size: 14

BUSINESS DEVELOPMENT MANAGER

Primary Key: BusinessDevelopmentManagerID

Foreign Key: StaffProfileID

Field Name	Data Type	Data Size	Description
BusinessDevelopmentManagerID	VARCHAR	10	Unique identifier for the Business Development Manager.
TotalSalesManaged	DECIMAL	10,12	Total sales amount managed by the Business Development Manager.
SalesReportID	VARCHAR	10	Identifier for sales reports handled by the manager.
StaffProfileID	VARCHAR	10	Links to the staff profile associated with the manager.

Record Size: 52

SALES

Primary Key: SalesID

Foreign Key: BusinessDevelopmentManagerID

Field Name	Data Type	Data Size	Description
SalesID	VARCHAR	10	Unique identifier for a sales record.
UnitOfSold	INT	4	Number of units sold in the transaction.
TotalSalesAmount	DECIMAL	10,12	Total amount earned from the sale.
SalesDate	DATE	8	Date when the sale occurred.
SalesCategory	VARCHAR	50	Category of the sale

Record Size: 94

PRODUCT SALES

Primary Key: N/A

Foreign Key: ProductID, SalesID

Field Name	Data Type	Data Size	Description
SalesID	VARCHAR	10	Unique identifier for a sales record.
ProductID	VARCHAR	10	Identifier of the product associated with the sale.

Record Size: 20

SALES REPORT

Primary Key: SalesReportID

Foreign Key: BusinessDevelopmentManagerID

Field Name	Data Type	Data Size	Description
SalesReportID	VARCHAR	10	Unique identifier for the sales report.
SalesReportDetails	VARCHAR	255	Detailed information about the sales report.
SalesReportDate	DATE	8	The date the sales report was generated.
BusinessDevelopmentManagerID	VARCHAR	10	Identifier for the business development manager overseeing the sales.

Record Size: 283

CAD ENGINEER

Primary Key: cadEngineerID

Foreign Key: StaffProfileID

Field Name	Data Type	Data Size	Description
cadEngineerID	VARCHAR	10	Reference ID linking to the CAD Engineer handling custom designs.
CustomDesigns	VARCHAR	255	Custom designs managed or involved in sales.
StaffProfileID	VARCHAR	10	Reference ID linking to the staff profile associated with the manager.

Record Size: 275

CUSTOM DESIGN

Primary Key: CustomDesignID

Foreign Key: cadEngineerID

Field Name	Data Type	Data Size	Description
CustomDesignID	VARCHAR	10	Unique identifier for each custom design.
CustomDesignDetail	VACRHAR	255	Details or description of the custom design.
CustomDesignTerm	VARCHAR	255	Terms or conditions associated with the custom design.
CustomDesignDate	DATE	8	Date when the custom design was created.
cadEngineerID	VARCHAR	10	Foreign key referencing the CAD Engineer.

Record Size: 538

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PRODUCT DESIGN

Primary Key: <u>ProductDesignID</u>

Foreign Key: cadEngineerID

Field Name	Data Type	Data Size	Description
ProductDesignID	VARCHAR	10	Unique identifier for each product design.
ProductDesignDetails	VARCHAR	255	Detailed description of the product design.
ProductDesignTerm	VACRHAR	255	Terms and conditions related to the product design.
ProductDesignDate	DATE	8	Date when the product design was created or finalized.
cadEngineerID	VARCHAR	10	Unique identifier for the CAD engineer responsible.

Record Size: 538