

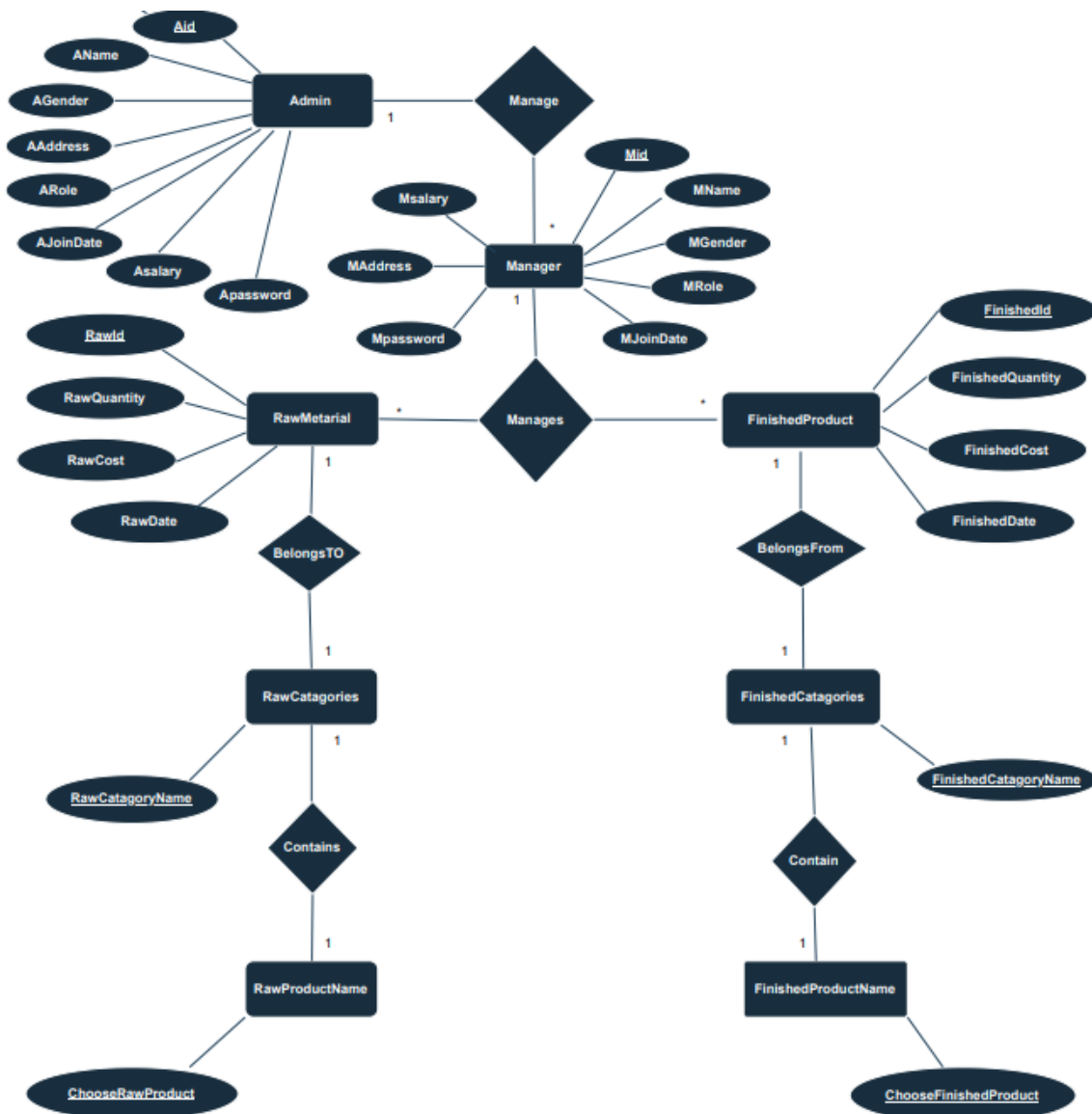
Project Report

Faculty: MD. HASIBUL HASAN

Group:

Group Members:

ER Diagram:



Normalization:

- **Manage**

UNF: Aid, AName, Agender, AAddress, ARole, AJoinDate, ASalary, Apassword, Mid, MName, MGender, MRole, MJoinDate, Msalary, MAddress, Mpassword

1NF: Aid, AName, Agender, AAddress, ARole, AJoinDate, ASalary, Apassword, Mid, MName, MGender, MRole, MJoinDate, Msalary, MAddress, Mpassword

2NF:

- i. Aid, AName, Agender, AAddress, ARole, AJoinDate, ASalary, Apassword
- ii. Mid, MName, MGender, MRole, MJoinDate, Msalary, MAddress, Mpassword, Aid(fk)

- **Manages**

UNF: Mid, MName, MGender, MRole, MJoinDate, Msalary, MAddress, Mpassword, Rawid, RawQuantity, RawCost, RawDate, FinishedId, FinishedQuantity, FinishedCost, FinishedDate

1NF: Mid, MName, MGender, MRole, MJoinDate, Msalary, MAddress, Mpassword, Rawid, RawQuantity, RawCost, RawDate, FinishedId, FinishedQuantity, FinishedCost, FinishedDate

2NF:

- i. Mid, MName, MGender, MRole, MJoinDate, Msalary, MAddress, Mpassword
- ii. Rawid, RawQuantity, RawCost, RawDate, Mid(fk)
- iii. FinishedId, FinishedQuantity, FinishedCost, FinishedDate, Mid(fk)

- **Belongs to**

UNF: Rawid, RawQuantity, RawCost, RawDate, RawCatagoryName

1NF: Rawid, RawQuantity, RawCost, RawDate, RawCatagoryName

2NF:

- i. RawCatagoryName
- ii. Rawid, RawQuantity, RawCost, RawDate, RawCatagoryName(fk)

- **Belongs From**

UNF: FinishedCatagoryName, FinishedId, FinishedQuantity, FinishedCost, FinishedDate

1NF: FinishedCatagoryName, FinishedId, FinishedQuantity, FinishedCost, FinishedDate

2NF:

- i. FinishedCatagoryName
- ii. FinishedId, FinishedQuantity, FinishedCost, FinishedDate, FinishedCatagoryName(fk)

- **Contain**

UNF: FinishedCatagoryName, ChooseFinishedProduct

1NF: FinishedCatagoryName, ChooseFinishedProduct

2NF:

- i. FinishedCatagoryName
- ii. ChooseFinishedProduct, FinishedCatagoryName(fk)

- **Contains**

UNF: RawCatagoryName, ChooseRawprocut

1NF: RawCatagoryName, ChooseRawprocut

2NF:

- i. RawCatagoryName
- ii. ChooseRawprocut, RawCatagoryName(fk)

Total Table:

- i. Aid, AName, Agender, AAddress, ARole, AJoinDate, ASalary, Apassword
- ii. Mid, MName, MGender, MRole, MJoinDate, Msalary, MAddress, Mpassword, Aid(fk)
- iii. RawCatagoryName
- iv. FinishedCatagoryName
- v. Rawid, RawQuantity, RawCost, RawDate, Mid(fk), RawCatagoryName(fk)
- vi. FinishedId, FinishedQuantity, FinishedCost, FinishedDate, Mid(fk), FinishedCatagoryName(fk)
- vii. ChooseFinishedProduct, FinishedCatagoryName(fk)
- viii. ChooseRawprocut, RawCatagoryName(fk)

Quary:

USE [GarmentsManagementSystem]

GO

/***** Object: Table [dbo].[Admin_info] Script Date: 8/16/2023 1:57:36 AM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

SET ANSI_PADDING ON

GO

```
CREATE TABLE [dbo].[Admin_info](
    [A_Id] [varchar](15) NOT NULL,
    [A_Name] [varchar](30) NOT NULL,
    [A_Gender] [varchar](10) NOT NULL,
    [A_Address] [varchar](50) NOT NULL,
    [A_Role] [varchar](15) NOT NULL,
    [A_Joining_Date] [date] NOT NULL,
    [A_Salary] [float] NOT NULL,
    [A_Password] [varchar](50) NOT NULL,
    CONSTRAINT [PK_ManagerInfo] PRIMARY KEY CLUSTERED
(
    [A_Id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
```

GO

SET ANSI_PADDING OFF

GO

/***** Object: Table [dbo].[FinishedProductInfo] Script Date: 8/16/2023 1:57:36 AM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

SET ANSI_PADDING ON

GO

```
CREATE TABLE [dbo].[FinishedProductInfo](
    [FinishedProductId] [varchar](15) NOT NULL,
    [FinishedCatagory] [varchar](20) NULL,
```

```

        [FinishedProductName] [varchar](30) NULL,
        [FinishedQuantity] [int] NULL,
        [FinishedCost] [float] NULL,
        [FinishDate] [date] NULL,
CONSTRAINT [PK_FinishedProductInfo] PRIMARY KEY CLUSTERED
(
        [FinishedProductId] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]

```

GO

SET ANSI_PADDING OFF

GO

/***** Object: Table [dbo].[Manager_info] Script Date: 8/16/2023 1:57:36 AM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

SET ANSI_PADDING ON

GO

```

CREATE TABLE [dbo].[Manager_info](
        [M_id] [varchar](15) NOT NULL,
        [M_Name] [nvarchar](30) NOT NULL,
        [M_Gender] [varchar](10) NOT NULL,
        [M_Address] [varchar](50) NOT NULL,
        [M_Role] [varchar](15) NOT NULL,
        [M_Joining_Date] [date] NOT NULL,
        [M_Salary] [float] NOT NULL,
        [M_Password] [varchar](50) NOT NULL,

```

```
[A_Id] [varchar](15) NOT NULL,  
CONSTRAINT [PK_Manager_info] PRIMARY KEY CLUSTERED  
(  
    [M_id] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,  
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]  
) ON [PRIMARY]
```

GO

SET ANSI_PADDING OFF

GO

/***** Object: Table [dbo].[RawMeterialInfo] Script Date: 8/16/2023 1:57:36 AM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

SET ANSI_PADDING ON

GO

```
CREATE TABLE [dbo].[RawMeterialInfo](  
    [RawId] [varchar](15) NOT NULL,  
    [RawCategory] [varchar](30) NOT NULL,  
    [RawProductName] [varchar](30) NOT NULL,  
    [RawQuantity] [int] NOT NULL,  
    [RawCost] [float] NOT NULL,  
    [RawDate] [date] NOT NULL,  
CONSTRAINT [PK_RawMeterialInfo] PRIMARY KEY CLUSTERED  
(  
    [RawId] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF,  
ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]  
) ON [PRIMARY]
```

GO

SET ANSI_PADDING OFF

GO

```
INSERT [dbo].[Admin_info] ([A_Id], [A_Name], [A_Gender], [A_Address], [A_Role],  
[A_Joining_Date], [A_Salary], [A_Password]) VALUES (N'E-001', N'Rahman', N'Male',  
N'Dhaka,Bangladesh', N'Admin', CAST(N'2020-09-11' AS Date), 50000, N'123')
```

```
INSERT [dbo].[Admin_info] ([A_Id], [A_Name], [A_Gender], [A_Address], [A_Role],  
[A_Joining_Date], [A_Salary], [A_Password]) VALUES (N'E-002', N'Raiyan', N'Male', N'Dhaka',  
N'Admin', CAST(N'2020-02-04' AS Date), 120000, N'456')
```

```
INSERT [dbo].[FinishedProductInfo] ([FinishedProductId], [FinishedCatagory], [FinishedProductName],  
[FinishedQuantity], [FinishedCost], [FinishDate]) VALUES (N'F-2', N'Outerwears', N'Jackets', 20, 50000,  
CAST(N'2019-02-02' AS Date))
```

```
INSERT [dbo].[FinishedProductInfo] ([FinishedProductId], [FinishedCatagory], [FinishedProductName],  
[FinishedQuantity], [FinishedCost], [FinishDate]) VALUES (N'F-3', N'Workwears', N'Work shirts', 50,  
500000, CAST(N'2023-02-02' AS Date))
```

```
INSERT [dbo].[FinishedProductInfo] ([FinishedProductId], [FinishedCatagory], [FinishedProductName],  
[FinishedQuantity], [FinishedCost], [FinishDate]) VALUES (N'F-5', N'Workwears', N'Chef uniforms', 10,  
100000, CAST(N'2023-01-01' AS Date))
```

```
INSERT [dbo].[FinishedProductInfo] ([FinishedProductId], [FinishedCatagory], [FinishedProductName],  
[FinishedQuantity], [FinishedCost], [FinishDate]) VALUES (N'F-6', N'Workwears', N'Work shirts', 20,  
12, CAST(N'2019-10-08' AS Date))
```

```
INSERT [dbo].[FinishedProductInfo] ([FinishedProductId], [FinishedCatagory], [FinishedProductName],  
[FinishedQuantity], [FinishedCost], [FinishDate]) VALUES (N'F-7', N'Bottoms weares', N'Shorts', 10,  
11111, CAST(N'2021-01-01' AS Date))
```

```
INSERT [dbo].[Manager_info] ([M_id], [M_Name], [M_Gender], [M_Address], [M_Role],  
[M_Joining_Date], [M_Salary], [M_Password], [A_Id]) VALUES (N'E-004', N'Raiyan', N'', N'Dhaka',  
N'Manager', CAST(N'2019-02-02' AS Date), 400000, N'123', N'E-001')
```

```
INSERT [dbo].[Manager_info] ([M_id], [M_Name], [M_Gender], [M_Address], [M_Role],  
[M_Joining_Date], [M_Salary], [M_Password], [A_Id]) VALUES (N'E-005', N'Fatema Khatun ',  
N'Female', N'Dhaka', N'Manager', CAST(N'2020-02-12' AS Date), 700003, N'4567', N'E-001')
```

```
INSERT [dbo].[Manager_info] ([M_id], [M_Name], [M_Gender], [M_Address], [M_Role],  
[M_Joining_Date], [M_Salary], [M_Password], [A_Id]) VALUES (N'E-007', N'Nabil Raiyan', N'Male',  
N'Dhaka', N'Manager', CAST(N'2021-11-03' AS Date), 20000, N'123', N'E-001')
```

```
INSERT [dbo].[Manager_info] ([M_id], [M_Name], [M_Gender], [M_Address], [M_Role],  
[M_Joining_Date], [M_Salary], [M_Password], [A_Id]) VALUES (N'E-008', N'Nabil Sultan', N'Male',  
N'Dhaka', N'Manager', CAST(N'2021-03-11' AS Date), 20000, N'1235', N'E-001')
```



```
INSERT [dbo].[RawMeterialInfo] ([RawId], [RawCategory], [RawProductName], [RawQuantity],  
[RawCost], [RawDate]) VALUES (N'R-12', N'Miscellaneous', N'Hangers', 40, 1222, CAST(N'2019-01-  
01' AS Date))
```

```
INSERT [dbo].[RawMeterialInfo] ([RawId], [RawCategory], [RawProductName], [RawQuantity],  
[RawCost], [RawDate]) VALUES (N'R-13', N'Fabrics', N'Wool', 50, 5000, CAST(N'2019-01-01' AS  
Date))
```

```
INSERT [dbo].[RawMeterialInfo] ([RawId], [RawCategory], [RawProductName], [RawQuantity],  
[RawCost], [RawDate]) VALUES (N'R-2', N'Threads', N'Yarn for knitted', 10, 100000, CAST(N'2023-09-  
06' AS Date))
```

```
INSERT [dbo].[RawMeterialInfo] ([RawId], [RawCategory], [RawProductName], [RawQuantity],  
[RawCost], [RawDate]) VALUES (N'R-4', N'Threads', N'Yarn for knitted', 10, 100000, CAST(N'2023-09-  
06' AS Date))
```

```
INSERT [dbo].[RawMeterialInfo] ([RawId], [RawCategory], [RawProductName], [RawQuantity],  
[RawCost], [RawDate]) VALUES (N'R-5', N'Miscellaneous', N'Hangers', 30, 33333, CAST(N'2023-09-  
08' AS Date))
```

```
INSERT [dbo].[RawMeterialInfo] ([RawId], [RawCategory], [RawProductName], [RawQuantity],  
[RawCost], [RawDate]) VALUES (N'R-7', N'Threads', N'Embroidery thread', 50, 10000, CAST(N'2019-  
10-06' AS Date))
```

```
INSERT [dbo].[RawMeterialInfo] ([RawId], [RawCategory], [RawProductName], [RawQuantity],  
[RawCost], [RawDate]) VALUES (N'R-8', N'Buttons', N'Jeans buttons', 30, 34, CAST(N'2019-03-03' AS  
Date))
```

```
ALTER TABLE [dbo].[Manager_info] WITH CHECK ADD CONSTRAINT  
[FK_Manager_info_Admin_info1] FOREIGN KEY([A_Id])
```

```
REFERENCES [dbo].[Admin_info] ([A_Id])
```

```
GO
```

```
ALTER TABLE [dbo].[Manager_info] CHECK CONSTRAINT [FK_Manager_info_Admin_info1]
```

```
GO
```