

# **TASK 1**

## **STEP 1**

**Employee**(EmployeeID, Name, Phone , Email, Address, Gender, DOB)

**Department**(DepartmentID, DepartmentTitle, NoOfEmployees)

**Store**(StoreID, StoreAdress, WeekdaysHours, WeekendHours)

**Account**(AccountNo, AccountName, Balance)

**Shareholder**(S.H.ID, Name, Phone, Email, Address, NoOfShares)

**Franchisee\_App**(AppNumber, AppDate, DecisionDate, Status )

**Team**(TeamID, TeamName)

**TeamMember**(MemberID)

**Local**(EFTPOSID)

**Central**(CANumber)

**Casual**(HourlyRate)

**PartTime**(WeeklyHours, Salary)

**FullTime**(LeaveDays, Salary)

## **STEP 2**

No weak entities.

## **STEP 3**

**Department**(DepartmentID, DepartmentTitle, NoOfEmployees, *AccountID*)

## **STEP 4**

**Department**(DepartmentID, DepartmentTitle, NoOfEmployees, *AccountNo*, *StoreID*, *TeamID*)

**Employee**(EmployeeID, Name, Phone , Email, Address, Gender, DOB,  
*DepartmentID*)

**Team**(TeamID, TeamName, *MemberID*)

**Franchisee\_App**(AppNumber, AppDate, DecisionDate, Status, *DepartmentID*,  
*TeamID*)

### **STEP 5**

**Includes**(*MemberID*,*TeamID*, PercentageOfShare)

### **STEP 6**

No Multivalued attributes

### **STEP 7**

No n-ary relationships

### **STEP 8**

8a

**Employee**(EmployeeID, Name, Phone , Email, Address, Gender, DOB,  
*DepartmentID*)

**Local**(EmployeeID , EFTPOSID)

**Central**(EmployeeID , CANumber)

**Casual**(EmployeeID , HourlyRate)

**PartTime**(EmployeeID, WeeklyHours, Salary)

**FullTime**(EmployeeID, LeaveDays, Salary)

## **STEP 9**

**Shareholder**(S.H.ID, Name, Phone, Email, Address, NoOfShares, TeamID)

**FullTime**(EmployeeID, LeaveDays, Salary, TeamID)

## **FINAL TABLES:**

**Employee**(EmployeeID, Name, Phone , Email, Address, Gender, DOB, *DepartmentID*)

**Department**(DepartmentID, DepartmentTitle, NoOfEmployees, *AccountNo*, *StoreID*, *TeamID*)

**Store**(StoreID, StoreAdress, WeekdaysHours, WeekendHours)

**Account**(AccountNo, AccountName, Balance)

**Shareholder**(S.H.ID, Name, Phone, Email, Address, NoOfShares, TeamID)

**Franchisee\_App**(AppNumber, AppDate, DecisionDate, Status, *DepartmentID*, *TeamID*)

**Team**(TeamID, TeamName, *MemberID*)

**TeamMember**(MemberID)

**Local**(EmployeeID, *EFTPOSID*)

**Central**(EmployeeID , *CANumber*)

**Casual**(EmployeeID , HourlyRate)

**PartTime**(EmployeeID, WeeklyHours, Salary)

**FullTime**(EmployeeID, LeaveDays, Salary, TeamID)

## **TASK 3**

### **UNF**

**FranchiseeAPF**(T\_Name, NoofTeamMembers, AppDate, StoreID, StoreAdress, Department)

**TeamMembers**(S.No, Name, S.H.ID/EmployeeID, PercnetageShare, Previous/existingFranchisee, Previous/ExistingFranchiseeID)

**ApprovalAndIDAssignment**(ApplicationNumber, DecisionStatus, DecisionDate, TeamID, Approver)

### **1NF**

NO repeating groups

**FranchiseeAPF** (T\_Name, NoofTeamMembers, AppDate, StoreID, StoreAdress, Department)

**TeamMembers** (S.H.ID/EmployeeID, Name, PercnetageShare, Previous/existingFranchisee, Previous/ExistingFranchiseeID)

**ApprovalAndIDAssignment** (ApplicationNumber, DecisionStatus, DecisionDate, TeamID, Approver)

### **2NF**

Partial dependency available only in FranchiseeAPF table

**FranchiseeAPF** (T\_Name, NoofTeamMembers, AppDate, Department, StoreID)

**Store**(StoreID, StoreAdress)

**TeamMembers** (S.H.ID/EmployeeID, Name, PercnetageShare,  
Previous/existingFranchisee, Previous/ExistingFranchiseeID)

**ApprovalAndIDAssignment** (ApplicationNumber, DecisionStatus, DecisionDate,  
TeamID, Approver)

### **3NF**

No transitive dependencies.

### **FINAL TABLES**

Partial dependency available only in FranchiseeAPF table

**FranchiseeAPF** (T\_Name, NoofTeamMembers, AppDate, Department, StoreID)

**Store** (StoreID, StoreAdress)

**TeamMembers** (S.H.ID/EmployeeID, Name, PercnetageShare,  
Previous/existingFranchisee, Previous/ExistingFranchiseeID)

**ApprovalAndIDAssignment** (ApplicationNumber, DecisionStatus, DecisionDate,  
TeamID, Approver)

