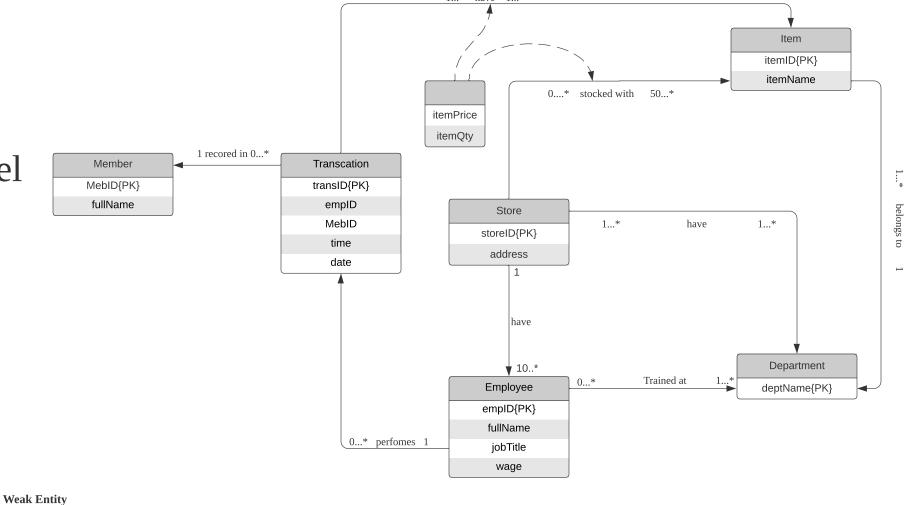
Chain Store ER-Model **CS331**

Cheng Shi 23375304



N/A 1To1 N/A 1ToMany relationship Basic Schema Store(<u>storeID</u>,address) Meb>Trans(add MebID into Trans) Store>Emp(add StoreID into Emp) Department(DeptName) Dept>Item(add DeptName into Item) Employee(empID,fullName,jobTitle,wage) Emp>Trans(add empID into Trans) Item(itemID,itemName) Transcation(transID, empID, time, date, MebID) Member(MebID,fullName)

Final Schema Store(storeID, address) Department(<u>deptName</u>) Employee(empID,fullName,jobTitle,wage,storeID) Item(itemID,itemName,deptName) Transcation(<u>transID</u>,empID,time,date,MebID) Member(MebID,fullName) StoreDept(<u>storeID,deptName</u>)

Employee(empID,fullName,jobTitle,wage,storeID)

Transcation(transID,empID,time,date,MebID)

Inventory(storeID,itemID,itemPrice,itemQty)

Updated Schema

Store(storeID, address)

Department(<u>deptName</u>)

Member(<u>MebID</u>,fullName)

Item(itemID,itemName,deptName)

EmpDept(empID,deptName) TransShopList(transID,itemID,itemPrice,itemQty)

Updated Schema

Store(storeID, address)

Department(<u>deptName</u>)

Employee(empID,fullName,jobTitle,wage,storeID) Item(itemID,itemName,deptName)

Transcation(transID,empID,time,date,MebID)

Member(MebID, fullName,)

StoreDept(storeID,deptName)

Inventory(storeID,itemID) EmpDept(empID,deptName)

TransShopList(transID,itemID)

Attributes on relationship

ManyToMany relationship

Store>Dept(+ StoreDept table)

Store>Item (+ inventory table)

Dept>Emp(+EmpDept table)

Item>Trans(+TransShopList table)

Inventory(+itemPrice,itemQty) TransShopList(+itemPrice,itemQty)

transID{PK} itemID{PK}

TransShopList

itemPrice

itemQty

itemID{PK} itemPrice itemQty

Inventory

storeID{PK}