District 區域					
Key	Attribute	Data Type	NN	Comments	
PK	distNo	Varchar(5)	YES	Primary key which is <i>generated by system</i> . Format is DST01, DST02 etc.	
	distName	Varchar(30)	YES	Valid values are: HK Island, Kowloon, New Territories	
Cate	egory 類別	•			
Key	Attribute	Data Type	NN	Comments	
PK	catNo	Varchar(5)	YES	Primary key which is <i>generated by system</i> . Format is CAT01, CAT02 etc.	
	catName	Varchar(30)	YES	Name of the category. E.g. Computer Equipment, Hard Disk, SATA Hard Disk.	
FK	catParent	Varchar(5)	NO	The category of the subcategory belongs to. E.g. CAT03 (Hard Disk) is a subcategory of CAT01 (Computer Equipment). Then fill in CAT03 in catNo, and fill in CAT01 in catParent. catParent is null if it is not a subcategory of another category.	
Sup	plier 供應商	1			
Key	Attribute	Data Type	NN	Comments	
PK	suppNo	Varchar(5)	YES	Primary key which is <i>generated by system</i> . Format is \$0001, \$0002 etc.	
	suppName	Varchar(30)	YES	Full name of the company (supplier). E.g. Trendy Shoes Mega Shop.	
	suppTel	Varchar(12)	NO	Office phone no. of the company (supplier). May include optional country code "nnn-", e.g. 852-	
	suppAddr	Varchar(60)	YES	Complete address of the supplier which includes the district (HK Island/Kowloon/New Territories). E.g. 7B, Block A, Happy Garden, 20 Nathan Road, Kowloon.	
Cus	tomer 顧客	•			
Key	Attribute	Data Type	NN	Comments	
PK	custNo	Varchar(5)	YES	Primary key which is <i>generated by system</i> . Format is C0001, C0002 etc.	
	custName	Varchar(30)	YES	Full name of the customer. E.g. Chan Tai Man	
	custGender	Varchar(1)	YES	Valid values are : M, F	
	custDOB	Date	NO	Birthdate of the customer.	
	custTel	Varchar(12)	NO	Contact phone no. of the customer. May include optional country code "nnn-", e.g. 852-	
	custAddr	Varchar(60)	YES	Customer's residental address which excludes the district (HK Island/Kowloon/New Territories). E.g. 7B, Block A, Happy Garden, 20 Nathan Road.	
FK	distNo	Varchar(5)	YES	Foreign key which indicates the district of the customer's residential address.	
Adn	nin 管理員				
Key	Attribute	Data Type	NN	Comments	
PK	adminNo	Varchar(5)	YES	Primary key. Format is A0001, A0002 etc. You should manually create at least one record in this table.	

De001, De002 etc.		adminTel	Varchar(12)	NO	Office phone no. of the administrator. May include optional country code "(nnn)-", e.g. 852-
PK drvID	Driv	ver 司機			
Deep01, Deep02 etc. Deep01, Deep02 etc. drvName	Key	Attribute	Data Type	NN	Comments
Movemed	PK	drvID	Varchar(5)	YES	Primary key which is <i>generated by system</i> . Format is D0001, D0002 etc.
User 用户		drvName	Varchar(30)	YES	Full name of the truck driver. E.g. Chan Tai Man
No		drvGender	Varchar(1)	YES	Valid values are : M, F
Varchar(5) YES Primary key which is generated by system. Format U0001, U0002 etc.	Use	r用户			
loginName Varchar(30) YES Username used for login. It must be unique and ican be changed by the user. The value is "admin" for the site administrator. loginPswd Varchar(30) YES Password used for login. The value is "secret" the site administrator. isLoggedIn Varchar(1) YES The value is 'Y" when logged in, and is 'N' who logged out. FK drvID Varchar(5) NO Foreign key which is not null if this record refers to a driver. Also a record should be added in Driver table before the corresponding record is added in the User table. FK custNo Varchar(5) NO Foreign key which is not null if this record refers to a customer. Also a record should be added in Customer table before the corresponding record is added in the User table. FK suppNo Varchar(5) NO Foreign key which is not null if this record refers to a supplier. Also a record should be added in Supplier table before the corresponding record is added in the User table. FK adminNo Varchar(5) NO Foreign key which is not null if this record refers to an administrator. Also a record should be added in Admin table before the corresponding record is added in the User table. FFK adminNo Varchar(5) NO Foreign key which is not null if this record refers to an administrator. Also a record should be added in Admin table before the corresponding record is added in the User table. Product E Rey Attribute Data Type NN Comments Primary key which is generated by system. Format PoodName Varchar(30) YES Primary key which is generated by system. Format PoodName Varchar(30) YES Primary key which is product. This value must Primary key which the product. This value must Primary key key key key key key key key key ke	Key	Attribute	Data Type	NN	Comments
can be changed by the user. The value is "admin" for the site administrator. loginPswd Varchar(30) YES Password used for login. The value is "secret" the site administrator. isLoggedIn Varchar(1) YES The value is 'Y' when logged in, and is 'N' who logged out. FK drvID Varchar(5) NO Foreign key which is not null if this record refers to a driver. Also a record should be added in Driver table before the corresponding record is added in the User table. FK custNo Varchar(5) NO Foreign key which is not null if this record refers to a customer. Also a record should be added in Customer table before the corresponding record is added in the User table. FK suppNo Varchar(5) NO Foreign key which is not null if this record refers to a supplier. Also a record should be added in Supplier table before the corresponding record is added in the User table. FK adminNo Varchar(5) NO Foreign key which is not null if this record refers to an administrator. Also a record should be added in Admin table before the corresponding record is added in the User table. FK adminNo Varchar(5) NO Foreign key which is not null if this record refers to an administrator. Also a record should be added in Admin table before the corresponding record is added in the User table. Product	PK	userNo	Varchar(5)	YES	Primary key which is <i>generated by system</i> . Format is U0001, U0002 etc.
the site administrator. isLoggedIn Varchar(1) YES The value is 'Y" when logged in, and is 'N' who logged out. FK drvID Varchar(5) NO Foreign key which is not null if this record refers to a driver. Also a record should be added in Driver table before the correspondi record is added in the User table. FK custNo Varchar(5) NO Foreign key which is not null if this record refers to a customer. Also a record should be added in Customer table before the correspon record is added in the User table. FK suppNo Varchar(5) NO Foreign key which is not null if this record refers to a supplier. Also a record should be added in Supplier table before the correspon record is added in the User table. FK adminNo Varchar(5) NO Foreign key which is not null if this record refers to an administrator. Also a record should be added in Admin table before the correspon refers to an administrator. Also a record should be added in Admin table before the correspon record is added in the User table. Product 產品 Key Attribute Data Type NN Comments PK prodNo Varchar(5) YES Primary key which is generated by system. Format P0001, P0002 etc. prodName Varchar(30) YES Full name of the product. This value must 0.		loginName	Varchar(30)	YES	Username used for login. It must be unique and it can be changed by the user. The value is "admin" for the site administrator.
Record Record		loginPswd	Varchar(30)	YES	Password used for login. The value is "secret" for the site administrator.
refers to a driver. Also a record should be added in Driver table before the corresponding record is added in the User table. FK custNo Varchar(5) NO Foreign key which is not null if this record refers to a customer. Also a record should be added in Customer table before the correspon record is added in the User table. FK suppNo Varchar(5) NO Foreign key which is not null if this record refers to a supplier. Also a record should be added in Supplier table before the correspon record is added in the User table. FK adminNo Varchar(5) NO Foreign key which is not null if this record refers to an administrator. Also a record should be added in Admin table before the correspon record is added in the User table. Product 產品 Key Attribute Data Type NN Comments PK prodNo Varchar(5) YES Primary key which is generated by system. Format P0001, P0002 etc. prodPrice Double(8,2) YES Full name of the product. This value must 0.		isLoggedIn	Varchar(1)	YES	The value is 'Y" when logged in, and is 'N' when logged out.
refers to a customer. Also a record should be added in Customer table before the correspon record is added in the User table. FK suppNo Varchar(5) NO Foreign key which is not null if this record refers to a supplier. Also a record should be added in Supplier table before the correspon record is added in the User table. FK adminNo Varchar(5) NO Foreign key which is not null if this record refers to an administrator. Also a record she be added in Administrator. Also a record she added in Administrator. Also a record she added in the User table. Product 產品 Key Attribute Data Type NN Comments PK prodNo Varchar(5) YES Primary key which is generated by system. Format P0001, P0002 etc. prodName Varchar(30) YES Full name of the product. prodPrice Double(8,2) YES Price per unit of the product. This value must 0.	FK	drvID	Varchar(5)	NO	added in Driver table before the corresponding
refers to a supplier. Also a record should be added in Supplier table before the correspon record is added in the User table. FK adminNo Varchar(5) NO Foreign key which is not null if this record refers to an administrator. Also a record she added in Admin table before the correspon record is added in the User table. Product 產品 Key Attribute Data Type NN Comments PK prodNo Varchar(5) YES Primary key which is generated by system. Format P0001, P0002 etc. prodName Varchar(30) YES Full name of the product. prodPrice Double(8,2) YES Price per unit of the product. This value must 0.	FK	custNo	Varchar(5)	NO	Foreign key which is not null if this record refers to a customer. Also a record should be added in Customer table before the corresponding record is added in the User table.
refers to an administrator. Also a record sh be added in Admin table before the correspon record is added in the User table. Product 產品 Key Attribute Data Type NN Comments PK prodNo Varchar(5) YES Primary key which is generated by system. Format P0001, P0002 etc. prodName Varchar(30) YES Full name of the product. prodPrice Double(8,2) YES Price per unit of the product. This value must 0.	FK	suppNo	Varchar(5)	NO	Foreign key which is not null if this record refers to a supplier. Also a record should be added in Supplier table before the corresponding record is added in the User table.
Key Attribute Data Type NN Comments PK prodNo Varchar(5) YES Primary key which is generated by system. Format P0001, P0002 etc. prodName Varchar(30) YES Full name of the product. prodPrice Double(8,2) YES Price per unit of the product. This value must 0.	FK	adminNo	Varchar(5)	NO	Foreign key which is not null if this record refers to an administrator. Also a record should be added in Admin table before the corresponding record is added in the User table.
PK prodNo Varchar(5) YES Primary key which is generated by system. Format P0001, P0002 etc. prodName Varchar(30) YES Full name of the product. prodPrice Double(8,2) YES Price per unit of the product. This value must 0.	Pro	duct 產品			
prodName Varchar(30) YES Full name of the product. prodPrice Double(8,2) YES Price per unit of the product. This value must 0.	Key	Attribute	Data Type	NN	Comments
prodPrice Double(8,2) YES Price per unit of the product. This value must 0.	PK	prodNo		YES	Primary key which is <i>generated by system</i> . Format is P0001, P0002 etc.
0.		prodName	Varchar(30)	YES	Full name of the product.
		prodPrice	Double(8,2)	YES	Price per unit of the product. This <i>value must be</i> > 0.
prodPhoto Varchar(30) YES It is the partial or complete filename of the image of the product.		prodPhoto	Varchar(30)	YES	It is the partial or complete filename of the image file of the product.
OrderLine record is created. This value must no negative.		stockQty		YES	customers. Decrease this value by the order quantity when a OrderLine record is created. This value must not be negative.
FK catNo Varchar(5) NO The value is null if the product cannot be categorized 不能被	FK	catNo	Varchar(5)	NO	The value is null if the product cannot be categorized 不能被歸

				類, otherwise it stores the value which
				represents its category.
FK	suppNo	Varchar(5)	YES	It shows which supplier provides the product information to the system.
Cus	tOrder 客戶言	丁單		
Key	Attribute	Data Type	NN	Comments
PK	ordNo	Varchar(5)	YES	Primary key which is <i>generated by system</i> . Format is OR001, OR002 etc.
	ordDate	Date	YES	The date the order is finally created by the customer. The ordDate must be the current system date.
	ordDiscount	Double(8,2)	NO	The value is either 0 or 10 (which means 10% discount will be given if the total order amount (before discount) is $> 1000).
	deliAddr	Varchar(60)	YES	The location where the ordered products will be delivered to. The delivery address should exclude the district (HK Island/Kowloon/New Territories). E.g. 7B, Block A, Happy Garden, 20 Nathan Road. The deliAddr & distNo values can be same or different to custAddr & distNo values of the Customer table.
FK	custNo	Varchar(5)	YES	The customer who creates this order.
FK	distNo	Varchar(5)	YES	The district where the ordered products will be delivered to.
FK	jobNo	Varchar(5)	NO	It is <i>null if no truck driver can deliver</i> the products of this order, otherwise stores the corresponding jobNo found in the Schedule table.
Ord	erLine		_	
Key	Attribute	Data Type	NN	Comments
PFK	prodNo	Varchar(5)	YES	Foreign key. The product is being ordered.
PFK	ordNo	Varchar(5)	YES	Foreign key. The CustOrder record this OrderLine record belongs to.
	actualPrice	Double(8,2)	YES	actualPrice=(1-ordDiscount%) x prodPrice.
	qty	Int	YES	It is the order quantity which $must\ be>0$ and less than or equal to the corresponding stockQty before this OrderLine record is created.
Scho	edule 時間表			
Key	Attribute	Data Type	NN	Comments
PK	jobNo	Varchar(5)	YES	Primary key which is generated by system. Format is J0001, J0002 etc. If the jobNo of this record is not assigned to any CustOrder record, this Schedule record can be deleted or the jobDate & distNo can be changed.
	jobDate	Date	YES	The date a truck driver is willing to work. When this record is created, this value must be at least 2 days after the current system date.
FK	drvID	Varchar(5)	YES	Each truck driver can only choose one district to serve for each day. Thus, jobDate+drvID must be unique.
FK	distNo	Varchar(5)	YES	The district where the truck driver is willing to deliver the products.