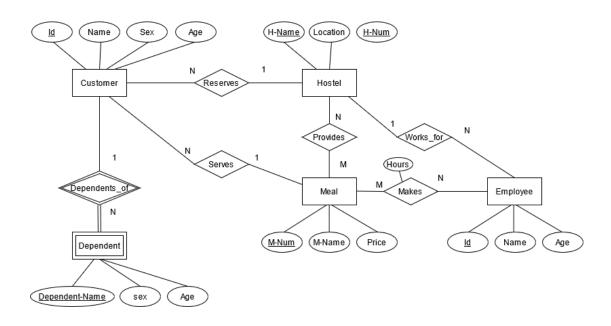
1. ER diagram



2. Relationship description

- A customer reserves a hostel
- · A hostel provides meals
- A meal serves a customer
- · An employee works in a hostel
- · An employee makes meals, which including production time.
- A customer has dependents

3. Entity description

(1) Customer

Attributes	Key attribute	Table			
<u>Id</u> , Name, Sex, Age	<u>ld</u>	1 Id Name Sex Age 2 2.44E+08 Suman Ha Male 25 3 7.11E+08 Gianni Gc Female 63 4 9.61E+08 Rocky Lot Male 38 5 9.2E+08 Patrycja Pt Male 54 6 1.68E+08 Moesha K Female 27 7 3.74E+08 Kason Sto Male 57 8 2.27E+08 Layla Dill Female 61 9 6.32E+08 Leja Devli Male 46 10 9.17E+08 Harry Jam Male 34 11 5.83E+08 Cai Power Female 68			

(2) Hostel

Attributes	Key attribute	Table				
<u>H-Name</u> , Location, <u>H-Num</u>	<u>H-Name,</u> <u>H-Num</u>	1 H-Num Name Location 2 1 Hostel1 Taipei 3 2 Hostel2 Kaohsiung 4 3 Hostel3 Taichung 5 4 Hostel4 Tainan 6 5 Hostel5 Taoyuan 7 6 Hostel6 Hualien 8 7 Hostel7 Taitung 9 8 Hostel8 Yilan 10 9 Hostel9 Nantou 11 10 Hostel10 Miaoli				

(3) Meal

Attributes	Key attribute	Table		
M-Num, M- Name, Price	M-Num	1 MNum Name Price 2 1 Meal1 300 3 2 Meal2 350 4 3 Meal3 400 5 4 Meal4 450 6 5 Meal5 550 8 7 Meal7 600 9 8 Meal8 650 10 9 Meal9 700 11 10 Meal10 750 12 11 Meal1 300 13 12 Meal2 350 14 13 Meal3 400 15 14 Meal4 450 16 15 Meal5 550 17 16 Meal6 550		

(4) Employee

Attributes	Key attribute	Table			
<u>Id</u> , Name, Age	<u>Id</u>	1 Id Name Age 2 7.69E+08 Ottilie Cli 36 3 3.74E+08 Kaylan Hi 42 4 8.96E+08 Ilyas Johns 64 5 4.85E+08 Darrel Ma 34 6 9.54E+08 Abubakar 27 7 8.41E+08 Nataniel K 51 8 8.94E+08 Benjamin 29 9 8E+08 Tayyab Je 53 10 6.69E+08 Lily-Ann J 46 11 1.31E+08 Anastazja 47			

(5) Dependent

Attributes	Key attribute	Table				
<u>Dependent-</u> <u>Name</u> , Sex, Age	<u>Dependent-</u> <u>Name</u>	1 CId Dependent Sex Age 2 2.44E+08 Casper Or Male 53 3 2.44E+08 Wesley M Male 25 4 2.44E+08 Maleeha F Female 12 5 7.11E+08 Osian Pritt Male 34 6 7.11E+08 Ria Franki Male 29 7 9.61E+08 Edan Estra Female 46 8 9.61E+08 Nathanael Male 52 9 9.61E+08 Samia Car Female 17 10 9.2E+08 Tasnia Me Female 65 11 9.2E+08 Mac Craw Male 56				

4. Relation Schema (After 3NF)

Customer

<u>Id</u>	Name	Sex	Age	H-Num	M-Num

Hostel

<u>H-Num</u>	<u>H-Name</u>	Location

Meal

M-Num			M-Name			Price	Price	
Employee								
<u>ld</u>	Name Age					H-Num		
Dependent	Dependent							
<u>C-Id</u>	<u>Dependent-Name</u>			Sex	x	Age		
Makes								
E-id M-Num				Hours				
Provides								
H-Num H-Na			Name N		M-Nu	<u>M-Num</u>		