

## Problem 2:

(a) Shipping Manifest: Below table is in 3NF which means there is **no** partial dependency and transitive dependency

**TABLE 1: Shipment**

Shipment ID	Origin	Destination	Shipment Number	Shipment Date	Expected Arrival
00-0001	BOSTON	BRAZIL	39	01/10/2008	01/14/2008

**TABLE 2: Shipment\_Captain**

Shipment ID	Captain ID
00-0001	002-15

**TABLE 3: Captain**

Captain ID	Captain Name
002-15	Henry Moore

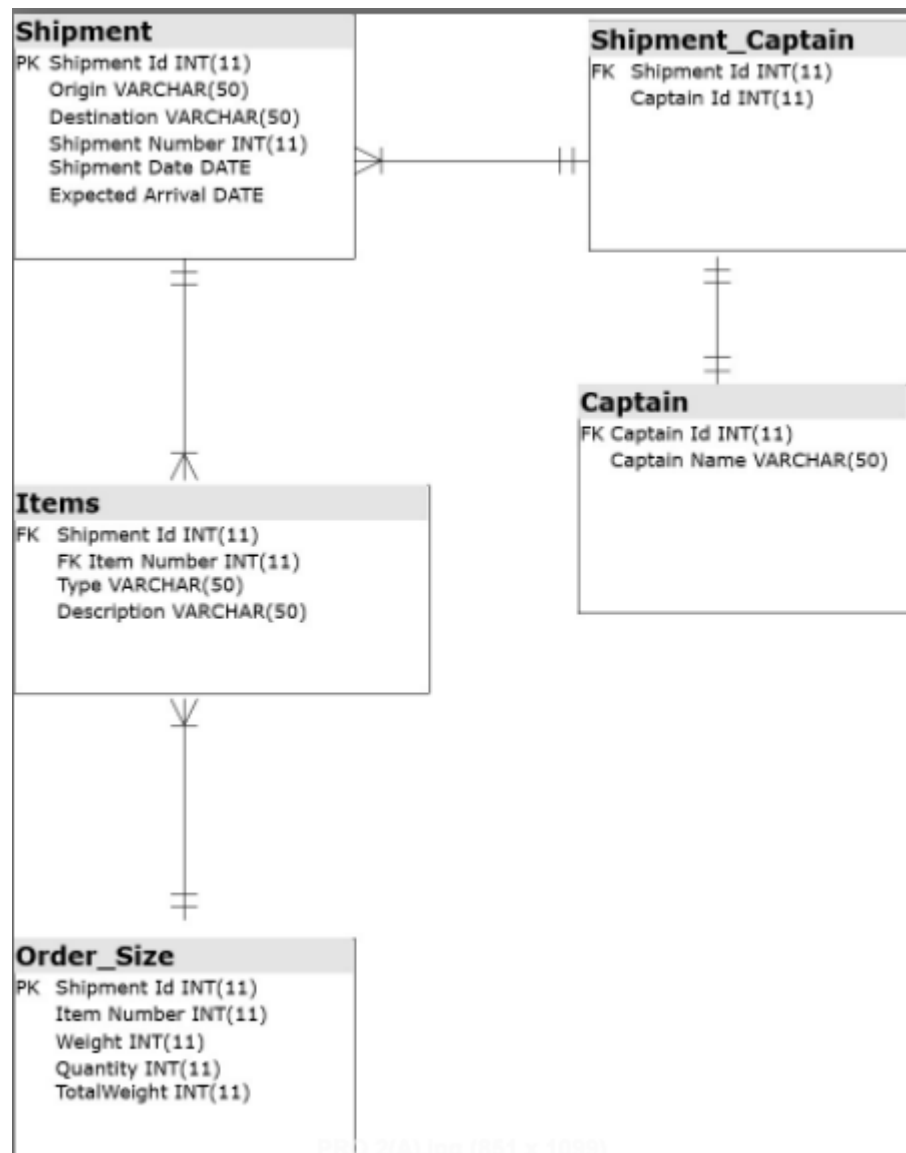
**TABLE 4: Items**

Item Number	Type	Description
3223	BM	Concrete Form
3297	BM	Steel Beam

**TABLE 5: Order\_Size**

Shipment ID	Item Number	Weight	Quantity	TotalWeight
00-0001	3223	500	100	50,000
00-0001	3297	87	2,000	174,000

## PROBLEM 2 (a): Relational Schema



PRO 2(A).jpg (851 x 1089)

(b)Parking Tickets: Below table is in 3NF which means there is **no** partial dependency and transitive dependency

**TABLE 1: St\_Info**

ST_ID	L_Name	F_Name	Phone Number	St_Lic	Lic_No
38249	Brown	Thomas	111-7804	FL	BRY 123
82453	Green	Sally	391-1689	AL	TRE 141

**TABLE 2: St\_Ticket\_Info**

ST_ID	Ticket	Date	Code
38249	15634	10/17/08	2
38249	16017	11/13/08	1
82453	14987	10/05/08	3
82453	16293	11/18/08	1
82453	17892	12/13/08	2

**TABLE 3: Ticket\_details**

Code	Fine
1	\$15
2	\$25
3	\$100

## PROBLEM 2 (b): Relational Schema

