Nicholas Carmello
Dr. Labouseur

1) I would say that this table has inconsistent data. There are 2 missing wp08 packages
   and one db32 package is missing a label.

2)

PackageID	TagNumber	InstallDate	SoftwareUSd
AC01	32808	09-13-2005	754.95
DB32	32808	12-03-2005	380.00
DB32	37691	06-15-2005	380.00
DB33	57772	05-27-2005	412.77
WP08	32808	01-12-2006	185.00
WP08	37691	06-15-2005	227.50
WP08	57222	05-27-2005	170.24
WP09	59836	10-30-2005	35.00
WP09	77740	05-27-2005	35.00

3) The primary key is the package ID and the tag number. It is a composite key.

Part Two

PackageID	TagNumber	InstallDate	SoftwareUSd	Model	SoftName
AC01	32808	09-13-2005	754.95	Apple	Cod2
DB32	32808	12-03-2005	380.00	Apple	Zork
DB32	37691	06-15-2005	380.00	Lenovo	Zork
DB33	57772	05-27-2005	412.77	Microsoft	Portal
WP08	32808	01-12-2006	185.00	Apple	WOW
WP08	37691	06-15-2005	227.50	Lenovo	WOW2
WP08	57222	05-27-2005	170.24	Microsoft	Cod
WP09	59836	10-30-2005	35.00	Hp	Runescape
WP09	77740	05-27-2005	35.00	IBM	Runescape

5) PackageID,tag number → installdate, softwareusd, softname,model

6) This table isn't in 3rd normalization form because the table isn't in second normalization form and software used is dependent on the softname.

Part Three

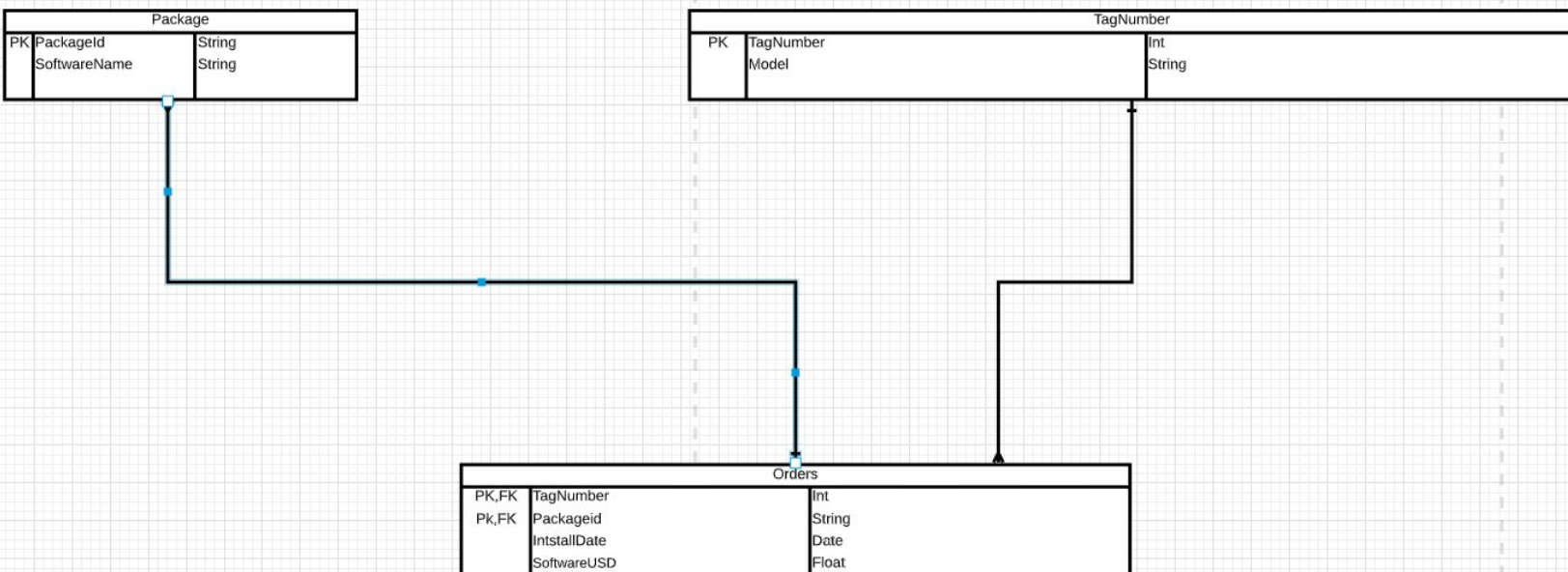7) Packageid, tagNumber, {packageid,tagnumber}

8) Packageid → softname
   TagNumber → model
   Packageid, tagnumber → installdate, softwareusd

9) These tables are in third normal form because they are in second normal form and none of the non-key attributes are dependent on other non-key attributes.

10)

Package		
PK	PackageId	String
	SoftwareName	String

TagNumber		
PK	TagNumber	Int
	Model	String

Orders		
PK,FK	TagNumber	Int
Pk,FK	Packageid	String
	IntstallDate	Date
	SoftwareUSD	Float

PackageId	SoftwareName
AC01	Cod2
DB32	Zork
DB32	Zork
DB33	Portal
WP08	WOW
WP08	WOW
WP08	WOW
WP09	Runescape
WP09	Runescape

PackageId	TagNumber	InstallDate	SoftwareUSD
AC01	32808	09-13-2005	754.95
DB32	32808	12-03-2005	380.00
DB32	37691	06-15-2005	380.00
DB33	57772	05-27-2005	412.77
08	32808	01-12-2006	185.00

wp08	37691	06-15-2005	227.50
wp08	57222	05-27-2005	170.24
wp09	59836	10-30-2005	35.00
wp09	77740	05-27-2005	35.00

TagNumber	Model
32808	Apple
32808	Apple
37691	Lenovo
57772	Microsoft
32808	Apple
37691	Lenovo
57222	Microsoft
59836	Hp
77740	IBM