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Database Management

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Lab 7

Part 1:

1. I would tell him that it has issues because it does not follow the first normal form and has repeating groups.

PkgId	TagNum	InstallDate	CostUSD
AC01	32808	09-13-2005	754.95
DB32-0	32808	12-03-2005	380.00
DB32-1	37691	06-15-2005	380.00
DB33	57772	05-27-2005	412.77
WP08-0	32808	01-12-2006	185.00
WP08-1	37691	06-15-2005	227.50
WP08-2	57222	05-27-2005	170.24
WP09-0	59836	10-30-2005	35.00
WP09-1	77740	05-27-2005	35.00

- 2.
3. The primary key is package id.

Part 2:

	PkgId	TagNum	InstallDate	CostUSD	Pkg Name	Comp. Model
	AC01	32808	09-13-2005	754.95	Zork	Samsung
	DB32-0	32808	12-03-2005	380.00	Zork	Samsung
	DB32-1	37691	06-15-2005	380.00	Portal	Apple
	DB33	57772	05-27-2005	412.77	Microsoft Office	Microsoft
	WP08-0	32808	01-12-2006	185.00	Zork	Samsung
	WP08-1	37691	06-15-2005	227.50	Portal	Apple
	WP08-2	57222	05-27-2005	170.24	Google Chrome	IBM
	WP09-0	59836	10-30-2005	35.00	Adobe Reader	HP
4.	WP09-1	77740	05-27-2005	35.00	Adobe Acrobat	Asus

5. The install date, cost, and software package name are all dependent on the package id.

The computer model is dependent on the tag number.

6. This table does not follow the third normal form because if the computer model were to change the tag number would need to be changed.

Part 3:

7. The primary keys for the table are package id and tag number.

8. The install date, cost, and software package name are all dependent on the package id.

The computer model is dependent on the tag number.

9. The tables are in third normal form because all the fields are related to the primary key and it follows the rules for first and second normal form.

Software	
PK	PkgId
	install date
	costUSD
	software pkg name

Computer	
PK	TagNum
	comp. model

10.