INLS 623 - Assignment 1: Normalization

Software issues:

If you feel there are mistakes in this assignment, check the web page and Sakai for corrections, and report them to us if they have not been made.

Instructions:

We are creating a database of the children in a class and the pets that they have. Figure 1 shows a Student table that is **not** in normal form.

1. Put the database in first normal form and label the primary key(s). You **may** create a new table and add primary key(s) and/or columns to the Students table (Figure 1). **Draw the table in first normal form and label the primary key(s).**

2. Put the database in second normal form. You **may** add column(s), drop column(s), and add primary key(s) to the table(s) from #1. You may also **create** new tables as needed. a. **Draw the table(s) in second normal form, label the primary key(s), and label the foreign key(s). b. Draw the relationship between the foreign key(s) and primary key(s).**

3. Put the database in third normal form. You **may** add column(s), drop column(s), and primary key(s) to table(s) from #1. You may also **create** new tables. a. **Draw the**

table(s) and label the primary keys and foreign keys. b. Draw the relationship between the foreign key(s) and primary key(s).

Name	Age	Pet	Pet Name
Heather	10	Dog	Rex
Heather	10	Cat	Thomas
Jimmy	10	Dog	Sally
Sheila	11	Cat	Fluffy
Vanessa	11	Cat	Thomas

Figure 1: Student Table

Getting Help

If you have trouble, please post a question on Piazza before contacting me. Before posing a question, please check if this question has been asked before. This will reduce post clutter and reduce our burden. Repeat questions will be ignored by the instructors.

Piazza allows anyone to respond. So if you see a question that you think you can respond to, please do so, as that will reduce our burden and help you "teach" your fellow students.

Good luck!