**Prac Sac for Year 12 IT Apps – this is a tougher one than the last example!**

Sunnydale High runs a PASE program for its year 7 & 8 students (ages 12-14). They want a Relational Database Management System to look after their teams, sports and sporting equipment.

Student information needed: name, house (e.g. Lonsdale, Murray etc), injured (Yes/No), age, gender.

Sport information: Name, equipment needed, quantity needed

There will also be Teams of students which list every player on every team.

The school also wants to keep a record of each type of sporting equipment there is and the quantity they have.

In addition to the sporting equipment information they will also have a record of what team borrowed how much equipment and when.

**Example**

The Year 7 Girls Softball team has 5 girls, (Emma, Caitlyn, Alana, Nicole and Gwyn). They require 3 softballs and the school has 15 softballs. They have a game on the 27/4/12 so will need to borrow 3 softballs then.

**Required**

1. Create an entity-relationship diagram for the RDBMS above
2. Create a Data Structure Table for the RDBMS above
3. Create a Data Structure Diagram for the RDBMS above
4. If time, start creating the tables for the PASE teams above and enter in some data.