# Lab07 – Entity Attribute List Student Transcript application

Start with a simple case

**STUDENT TRANSCRIPT APPLICATION SYSTEM**

The entire system consists of only one report, the STUDENT TRANSCRIPT. Two samples of the report are shown below.

SENECA COLLEGE DATE: 2011 12 31



CAMPUS: Don Mills STUDENT NO. 1234567



STUDENT NAME: G.P.A. 2.7



Mary Kim



123 This Street (416) 925-2861



No City, ON



A9A 9A9

COURSE DESCRIPTION GRADE FACULTY NAME OFFICE PHONE



PAS145 PASCAL 2.0 CS245 TOM JONES 135 7229

COM223 COMMUNICATIONS 3.6 AP142 SALLY ALI 139 7201

MAT111 MATHEMATICS 2.4 CS153 KRIS GOLLY 130 7255

SENECA COLLEGE DATE: 2011 12 31



CAMPUS: Don Mills STUDENT NO. 7654321

STUDENT NAME: G.P.A. 2.6

John Doe

345 That Street (905) 491-5050

My City, ON

X1X 1X1

COURSE DESCRIPTION GRADE FACULTY NAME OFFICE PHONE

PAS145 PASCAL 2.0 CS245 TOM JONES 135 7229

COM223 COMMUNICATIONS 2.7 AP142 SALLY ALI 139 7201

MAT111 MATHEMATICS 3.0 CS153 KRIS GOLLY 130 7255

IMPORTANT NOTE:

The system is restricted to producing this one form or report. This was done to keep the process needed to develop a database as simple as possible for the first go through.

**Submission:** Produce a semi final Entity Attribute list for the above system. It can show repeating groups

Put the attributes within the entity in a sensible business order.

Example STUDENTS[stid, fname, lname, …. (phone), …]

and not STUD[fname stid, lname, postcode, phone, street …]

Hint: Process you might want to use to solve the requirements …

STEP 1 -- IDENTIFY ATTRIBUTES

1. College Name

2. Date

3. Campus Name

4. Student Number

5. GPA

6. Student name

7. Address

8. City

9. Province

10. Postal Code

11. Phone number

12. Course Code

13. Course Description

14. Grade

15. Faculty Number

16. Faculty Name

17. Faculty Office

18. Faculty Phone

**STEP 2 -- IDENTIFY ENTITIES**

1. College Name does not need to be printed (due to preprinted paper)
2. Today’s date does not need to be printed
3. 7-10 does not need to be stored
4. There can be more thana 1 phone number

STEP 3 -- LIST ATTRIBUTES WITH THE ENTITIES and show repeating data within the entities

STUDENTS[STID, NAME, ADDRESS, CITY, PROV, PCODE, (phone), (ccode, cdsc, grade)]

FACULTY[FACNO, FACNAME, FOFFICE, FPHONE]