Sujay Kallamadi

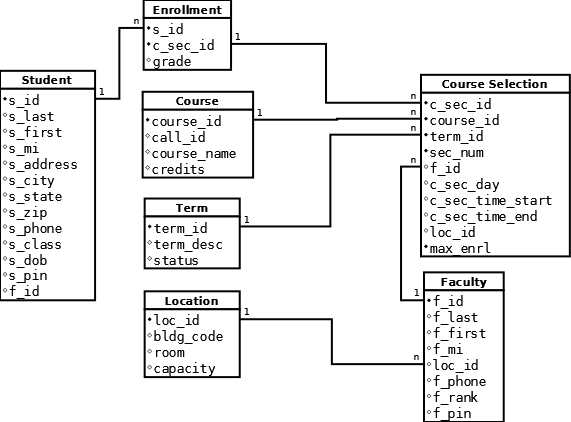
IST 210- Lab 01

Due: 9/20/15

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Table Name** | **Attribute Name** | **Contents** | **Type** | **Format** | **Required** | **PK/ FK** | **FK Referenced Table** |
| Course | course\_id  call\_id  course\_name  credits | Course ID  Call ID  Course name  Credits | numeric  varchar(10)  varchar(25)  numeric | 999  Xxxxxxxx  Xxxxxxxx  999 | Y | PK |  |
| Course Section | c\_sec\_id  course\_id  term\_id  sec\_num  f\_id  c\_sec\_day  c\_sec\_time\_start  c\_sec\_time\_end  loc\_id  max\_enrl | Course Section ID  Course ID  Term ID  Section #  Faculty ID  Course Section Day  Course Section start time  Course Section end time  Location ID  Maximum enrollment | numeric  numeric  numeric  numeric  numeric  varchar(10)  datetime  datetime  numeric  numeric | 999  999  999  999  999  Xxxxxxxx  yyyy-mm-dd 00:00:00:000  yyyy-mm-dd 00:00:00:000  999  999 | Y  Y  Y  Y  Y | PK  FK  FK  FK  FK  FK | Course  Term  Course Section  Faculty  Location |
| Enrollment | s\_id  c\_sec\_id  grade | Student ID  Course Section ID  Grade | numeric  numeric  char(1) | 999  999  X | Y  Y | PK/FK  PK/FK | Student  Course Section |
| Faculty | f\_id  f\_last  f\_first  f\_mi  loc\_id  f\_phone  f\_rank  f\_pin | Faculty ID  Faculty last name  Faculty first name  Faculty middle initial  Location ID  Faculty phone #  Faculty ranking  Faculty PIN | numeric  varchar(30)  varchar(30)  char(1)  numeric  varchar(10)  varchar(8)  numeric | 999  Xxxxxxxx  Xxxxxxxx  X  999  Xxxxxxxx  Xxxxxxxx  999 | Y | PK  FK | Location |
| Location | loc\_id  bldg\_code  room  capacity | Location ID  Building code  Room #  Rm Capacity | numeric  varchar(10)  varchar(6)  numeric | 999  Xxxxxxxx  999  999 | Y | PK |  |
| Student | s\_id  s\_last  s\_fist  s\_mi  s\_address  s\_city  s\_state  s\_zip  s\_phone  s\_class  s\_dob  s\_pin  f\_id | Student ID  Student last name  Student first name  Student middle initial  Student address  Student city  Student state  Student zip  Student phone #  Student class  Student DOB  Student PIN  Faculty ID | numeric  varchar(30)  varchar(30)  char(1)  varchar(25)  varchar(20)  char(2)  varchar(10)  varchar(10)  char(2)  datetime  numeric  numeric | 999  Xxxxxxxx  Xxxxxxxx  X  Xxxxxxxx  Xxxxxxxx  XX  Xxxxxxxx  Xxxxxxxx  XX  yyyy-mm-dd 00:00:00:000  999  999 | Y | PK  FK | Faculty |
| Term | term\_id  term\_desc  status | Term ID  Term Description  Status | numeric  varchar(20)  varchar(20) | 999  Xxxxxxxx  Xxxxxxxx | Y | PK |  |

\* I followed the table example in the book, minus Range because there were no specific ranges I found.

2.



\*\*I used the program called Dia to make this. Don’t mind the descriptions (1, n) for each reference. Also, to signify which are required, a black dot has been placed to the left of each name, instead of an empty circle.

3.

1. Select \* from uc\_course /\* 5 \*/
2. Select \* from uc\_course\_section where c\_sec\_id = '2' /\* Tuesdays and Thursdays \*/
3. select \* from uc\_enrollment /\* 8 -- Counted the NULL values \*/
4. select \* from uc\_faculty /\* rank is ASST - which I believe is Assistant \*/
5. select \* from uc\_location where room = '211' /\* Max capacity = 55 \*/
6. select \* from uc\_student where s\_state = 'ME' /\* 6 records are shown for students belonging to Maine \*/
7. select \* from uc\_term where status = 'open' /\* 1 \*/

Results: (Will be easier to read on Notepad)

course\_id call\_id course\_name credits

--------------------------------------- ---------- ------------------------- ---------------------------------------

1 MIS 101 Intro. to Info. Systems 3

2 MIS 301 Systems Analysis 3

3 MIS 441 Database Management 3

4 CS 155 Programming in C++ 3

5 MIS 451 Web-Based Systems 3

(5 row(s) affected)

c\_sec\_id course\_id term\_id sec\_num f\_id c\_sec\_day c\_sec\_time\_start c\_sec\_time\_end loc\_id max\_enrl

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2 1 4 2 3 TR 1900-01-01 09:30:00.000 1900-01-01 10:45:00.000 7 35

(1 row(s) affected)

s\_id c\_sec\_id grade

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1 1 A

1 4 A

1 6 B

1 9 B

2 1 C

2 5 B

2 6 A

2 9 B

3 1 C

3 12 NULL

3 13 NULL

4 11 NULL

4 12 NULL

5 1 B

5 5 C

5 9 C

5 11 NULL

5 13 NULL

6 11 NULL

6 12 NULL

(20 row(s) affected)

f\_id f\_last f\_first f\_mi loc\_id f\_phone f\_rank f\_pin

--------------------------------------- ------------------------------ ------------------------------ ---- --------------------------------------- ---------- -------- ---------------------------------------

1 Cox Kim J 9 7155551234 ASSO 1181

2 Blanchard John R 10 7155559087 FULL 1075

3 Williams Jerry F 12 7155555412 ASST 8531

4 Sheng Laura M 11 7155556409 INST 1690

5 Brown Philip E 13 7155556082 ASSO 9899

(5 row(s) affected)

loc\_id bldg\_code room capacity

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8 BUS 211 55

(1 row(s) affected)

s\_id s\_last s\_first s\_mi s\_address s\_city s\_state s\_zip s\_phone s\_class s\_dob s\_pin f\_id

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1 Miller Sarah M 144 Windridge Blvd. Portland ME 04102 2075559876 SR 1985-07-14 00:00:00.000 8891 1

2 Umato Brian D 454 St. John's Place Bath ME 04530 2075552345 SR 1985-08-19 00:00:00.000 1230 1

3 Black Daniel NULL 8921 Circle Drive Port Clyde ME 04332 2075553907 JR 1982-10-10 00:00:00.000 1613 1

4 Mobley Amanda J 1716 Summit St. Augusta ME 04332 2075556902 SO 1986-09-24 00:00:00.000 1841 2

5 Sanchez Ruben R 1780 Samantha Court Rockland ME 04841 2075558899 SO 1986-11-20 00:00:00.000 4420 4

6 Connoly Michael S 1818 Silver Street Bar Harbour ME 04609 2075554944 FR 1986-12-04 00:00:00.000 9188 3

(6 row(s) affected)

term\_id term\_desc status

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6 Summer 2009 OPEN

(1 row(s) affected)