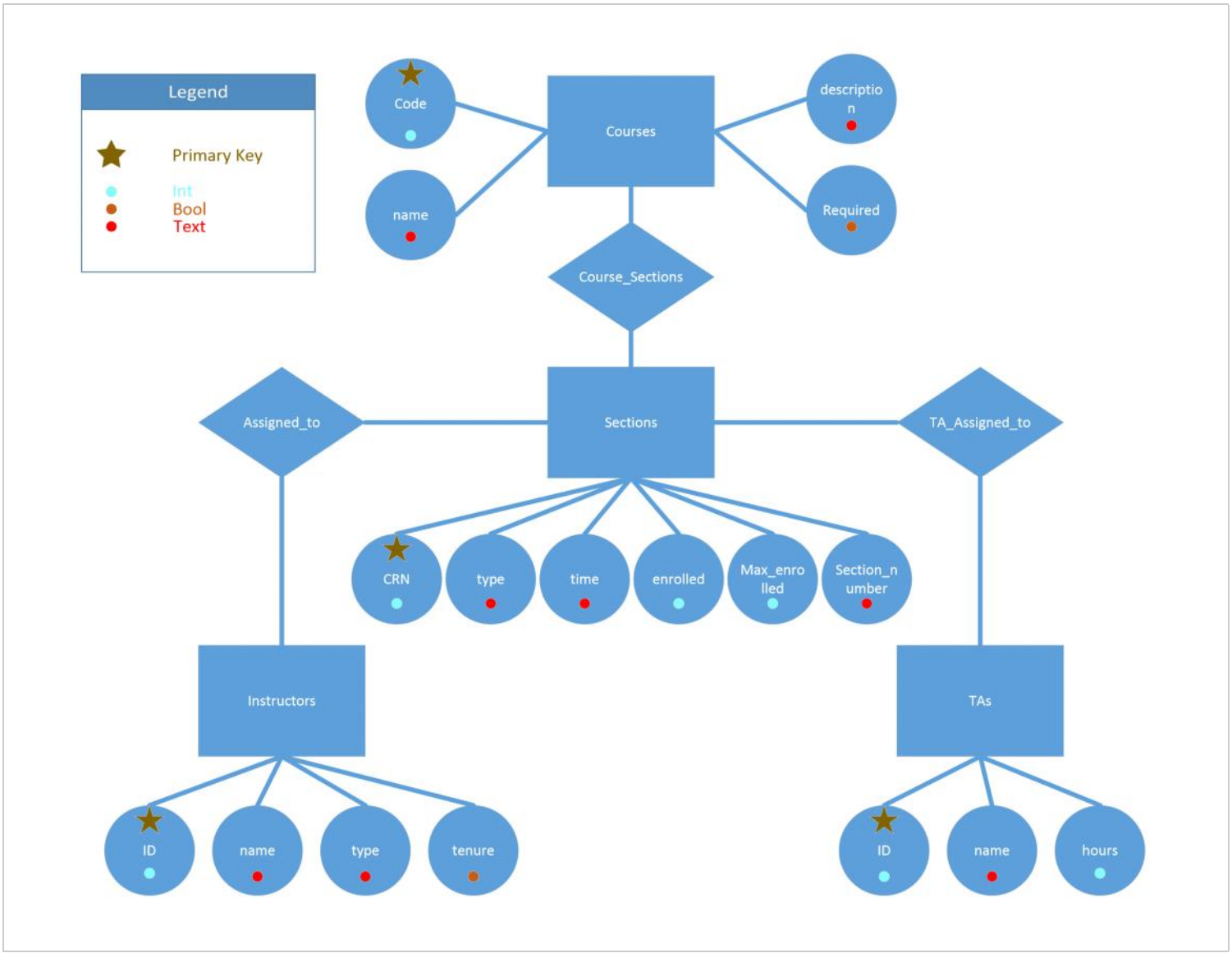
ER Diagram

Saturday, April 18, 2015 6:12 PM



Schema

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Instructors(ID, name, type, tenure)

ID is the primary key. It is an integer.

name is the name of the instructor. It is text.

type refers to if the instructor is a Professor, GPTI, or FTI. It is text.

tenure is a boolean, representing whether the instructor has tenure.

Courses(Code, required, name, description)

Course Codes are unique integers given as a primary key.

required is a boolean type, indicating if the course is required curriculum

name is text giving the name of the course EX: “CS4345”

description is text giving a brief description of the course

Sections(CRN, type, time, enrolled, max_enrolled, section_number)

CRN is a unique identifier given to every section

type is text, telling if the section is a lab section or regular section

enrolled is an integer indicating the number of students currently enrolled in the section

max_enrolled is an integer indicating the maximum number of student that may be enrolled

section_number is text. Ex: “L02” would indicate Lab Section 2.

TAs(ID, name, hours)

ID is an integer and is the primary key.

name is text giving the name of the TA

hours is an integer indicating the number of hours the TA works per week?????

hours is text giving the office hours of the TA??????????

Assigned_To(Instructor_ID, Section_CRN)

Instructor_ID is an integer, foreign key to the ID for an instructor

Section_CRN is an integer, foreign key to the CRN for a section

TA_Assigned_To(TA_ID, Section_CRN)

TA_ID is an integer, foreign key to the ID for a TA

Section_CRN is an integer, foreign key to the CRN for a section

Course_Sections(Course_Code, Section_CRN)

Course_Code is an integer, foreign key to the Code for a course

Section_CRN is an integer, foreign key to the CRN for a section