1. Following diagram illustrates a partial class diagram for a property management company. Using the data in the class diagram, draw its database schema. (Include any required attributes) (20 Pts.)

Diagram

Description automatically generated

1. Given the below database table of university course and sections offered do the followings:

* Normalize the table so that it is in third normal form. Hint: Look for functional dependencies. (15 Pts.)
* Draw its database schema. (15 Pts.)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course | Section | Course Name | Room# | #Chairs | #Enrolled | Time | Teacher | Students |
| IS205 | 001 | Intro to IS | TB105 | 55 | 46 | 3:00 MWF | B. Jones | R. Smith  H. Black  P. Harris  A. Wells |
| IS401 | 001 | Systems Analysis & Design | TB223 | 45 | 30 | 1:00 MWF | R. White | M. Tams  N. Rich  T. Neils |