1. The primary key should be a unique value to a table. The primary key for the EMPLOYEE table should be email as all other values could be shared by other employees at the company. The location(zip,adress,state ect) could be shared by a single office building. Phone and fax could be delegated to a secretary. While all employees are assigned a unique email and what we are interested in for in this table is locating an individual employee.

The primary key for the EMPLOYMENT table should be company\_name since we are

Interested in employment history and incorporated companies don’t share names.

The primary key for COMPANY should be phone number or fax number since we are

interested in an individual company although a company might have a main number and

a directory for more specific branches, we are only interested in finding the company. So

The primary key should be the phone or fax number.

2. Prescription/Medication there is only one prescription for every one medication and only one medication for every one prescription. You can't use generic medication for a prescription. One to One

Student/Course there is many students in many courses and there are many courses for many students. M:N

Student/Academic advisor there are many students for one academic advisor and there is one academic advisor for one student. M:1

Bank Account/Customer There is one bank account per customer and one customer per bank account 1:1

Rental/renter there is one renter for many rental cars and there is one rental car for one renter. 1:M

Animal/food there are many Animals for many foods and there are many foods for many animals. M:N

The student application database is setup so a university can manage its student applications. The three main attributes universities look for in students are academic rigor, student involvement and recommendations.

The relationship is 1:1 except for recommendations. One student can have many recommendations. So 1:M relationship for those tables