

Database Requirement Specifications

The data stored for a student includes their matriculation number (aka mnumber), first and last name, permanent address (number, street, city, state, zipcode, and apartment number, if any), date of birth, gender, nationality, category (UG or G), special needs, additional comments, current status (placed or waiting), and academic department.

The academic department has a unique department number and a faculty member who serves as the student's academic advisor. Each student has a year in the department (1, 2, 3, 4, or 5). Each student is associated with a single department, and the department designates one person to serve as the advisor. The advisor's contact information is stored.

Students may rent a room in a residence hall. Each residence hall has a name, address, telephone number, and hall manager. A room may be a single room or it can be room that is part of a suite. A suite can have 3, 4, or 5 students. Each suite lists how many bedrooms are available (one per student). Each suite has a unique number (across all residence halls) and each room has a unique place number across all residence halls. A suite or a single room also has a door number. For example, one hall has a room 100 and another hall may also have a room 100, but each has a unique place identifier as well. Each room has a monthly rental rate.

A student may lease a room for 1, 2, or 3 semesters (fall, spring, and summer). Each lease agreement has a unique number. A lease agreement contains the student's mnumber, duration (number of semesters), which semesters, suite (if any) and place number, residence hall and door number, move-in date, and move-out date.

The staff information includes a university employee number, first and last name, home address, date of birth, gender, job title (e.g., hall manager, administrative assistance, director, housekeeper) and location (residence hall and office number).