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Project 1A Documentation

Assumptions:

All Admins work for Bellevue College
Family Heads can attend colleges other than Bellevue College
Whether or not a unit will be vacant for a given quarter can be derived from vacant_date
A Resident's unit can be derived from the Resident's address
A bunk bed counts as two separate beds
The # of maintenance requests for a unit can be derived from Maintenance_Requests
In Person, major holds data for both the major a person is in and a persons intended major.
No two Departments have the same name
Only students may be Residents
Employees responsible for maintenance requests are separate from admins
Maintenance employees are identified in requests simply by name

Design Choices:

Resident and Applicant had enough common attributes to combine into a Person superclass.
This also allows Person to have self-reference relationships (i.e. married, family head)
Created a strong College entity that can relate to person and hold college name and department attributes for person
Created Admin as a subclass of employee to handle explicit admin attributes and leave employee free to handle maintenance.
Created unit_type table to hold room style options and make preference handling smoother.
Year_of_Study holds the Alumni flag

Missing/Incomplete Requirements:

Family_Head is not defined