

## SWEN-220 Relational Modeling Activity

### Entities

ACME  
Employees  
departments  
projects

### Attributes

Department - have projects, employees, a building, a floor  
ACME - has departments, products, buildings, employees, departments  
Employees - ID Number, Start/End date, department, email, name  
Projects - Priority, Priority Description

### Relationships

ACME has products (1:N)  
ACME pursues desert inhabitants (1:1)  
ACME has departments (1:N)  
ACME has buildings (1:N)  
Departments have a designated floor in a specific building (1:1)  
Departments have employees (1:N)  
Projects have a priority number (1:1)  
Project priorities have a priority description (1:1)  
Projects can have multiple departments (1:N)  
Employees have a department (1:1)  
Employees can move between departments (1:N)

### Relational Modeling Diagram

