

## Class Entity

### Attributes:

1. Name
2. Department
3. Course Number
4. Key: Name and Course Number
5. Teacher (User) (Relationship is One to many)
6. Students (One to many)
7. Assignments (Many to one)

## Teacher Entity

### Attributes:

1. Name
2. Department Number
3. Username (key)
4. Birthdate
5. Age (Calculated from birthdate)
6. Password
7. Classes (One to many)
8. Assignments (One to many)

## Student Entity

### Attributes:

1. Name
2. Username (key)
3. Password
4. Birthdate
5. Age (Calculated from birthdate)
6. Classes (One to many)
7. Assignments (One to many)

## Admin Entity

### Attributes:

1. Display Name

2. Username (key)
3. Password
4. Teachers (One to many)
5. Students (One to many)
6. Classes (One to many)

## Assignments Entity

### Attributes:

1. Name (key)
2. Class (One to one)
3. Teacher (one to one)
4. Student
5. File (?)

## Relationships between Entities

Students are taking Classes

Students are given Assignments

Admins administrate ALL

Teachers are teaching Classes

Teachers are giving Assignments