

1. **Person** class with attributes:

- Name
- Age
- Address
- Phone number
- Email
- Gender
- Occupation
- Date of Birth
- Nationality
- Blood Type

2. **Student** class that inherits from **Person** with additional attributes:

- Student ID
- GPA
- Major
- Year of Enrollment
- Graduation Date
- Student Status (e.g., active, graduated)

3. **Teacher** class that inherits from **Person** with additional attributes:

- Employee ID
- Subject
- Years of Experience
- Certification
- Office Location
- Teaching Load
- Research Interests

4. **Book** class with attributes:

- Title
- Author
- ISBN
- Genre
- Publication Year
- Publisher
- Number of Pages
- Language
- Availability (e.g., available, checked out)
- Shelf Location

5. **Car** class with attributes:

- Model
- Year

- Color
- Manufacturer
- Mileage
- Engine Type
- Registration Number
- Insurance Status
- Fuel Type
- Transmission Type

6. **Dog** class with attributes:

- Breed
- Age
- Color
- Weight
- Height
- Health Status
- Microchip ID
- Training Level
- Diet Plan
- Owner Information

7. **Rectangle** class with attributes:

- Length
- Width
- Area
- Perimeter
- Color
- Border Style
- Corner Radius
- Border Color
- Fill Pattern
- Transparency Level

8. **Computer** class with attributes:

- Brand
- RAM
- Processor
- Storage Capacity
- Operating System
- Screen Size
- Battery Life
- Weight
- Graphics Card

- Warranty Period

9. **Employee** class with attributes:

- Name
- Employee ID
- Department
- Position
- Salary
- Hire Date
- Employee Type
- Employee Status
- Supervisor
- Office Location