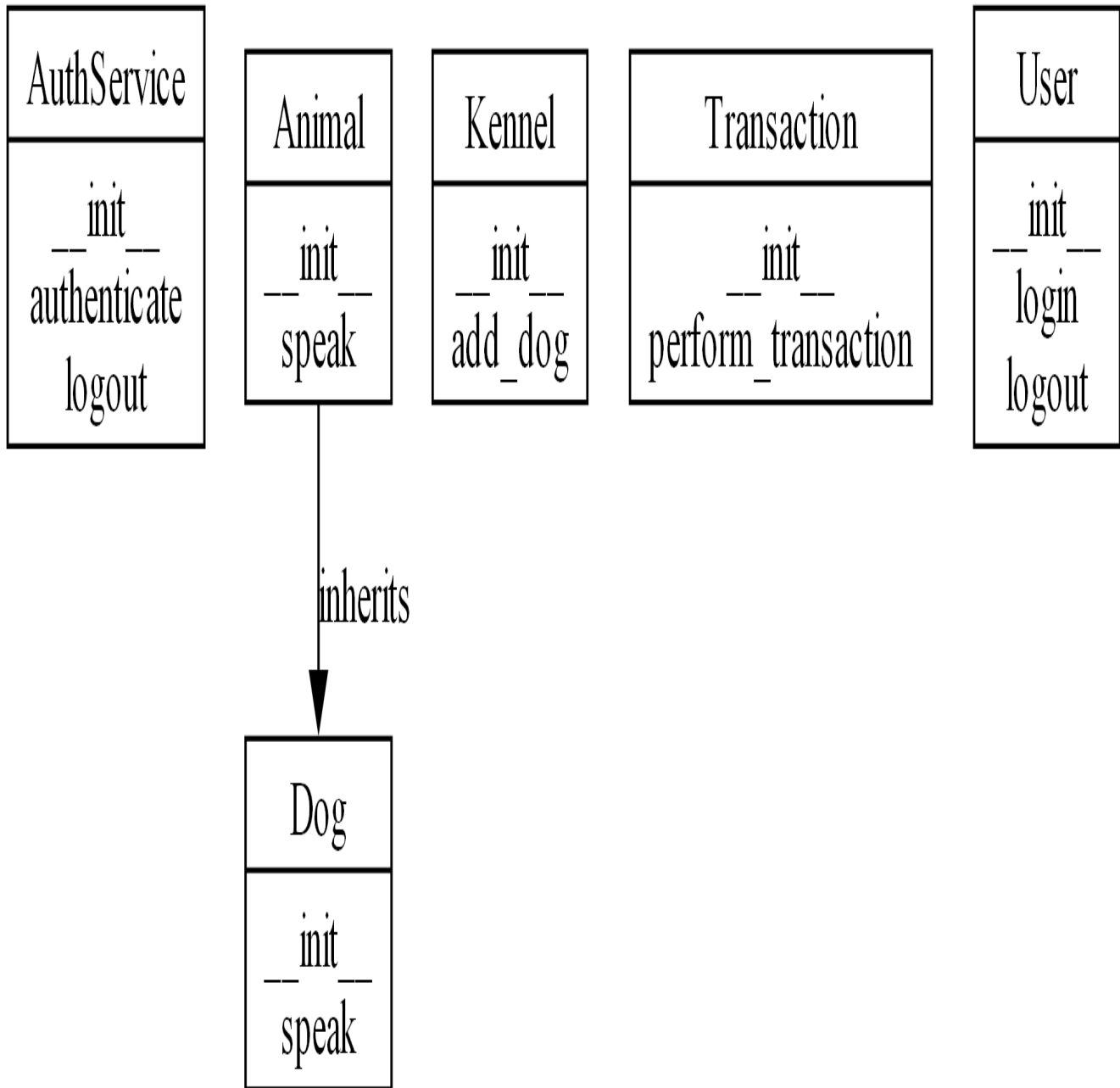


Class Diagram

This is a UML class diagram representing the structure of the analyzed Python code. It shows classes, their attributes, methods, and relationships.



Class: AuthService

Methods: `__init__`, `authenticate`, `logout`

Class: Animal

Methods: __init__, speak

Class: Dog

Methods: __init__, speak

Base Classes: Animal

Class: Kennel

Methods: __init__, add_dog

Class: Transaction

Methods: __init__, perform_transaction

Class: User

Methods: __init__, login, logout