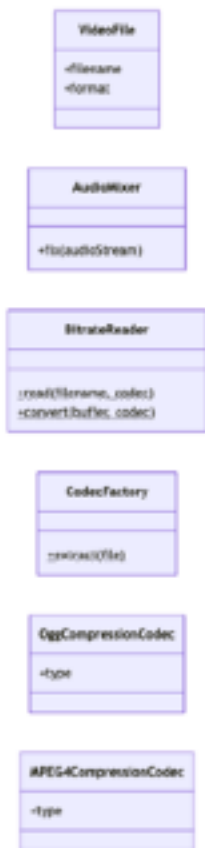


- We'll implement the **Facade Pattern** to simplify interacting with a complex video processing system. The facade class offers an easy interface for converting videos, hiding the subsystem's multiple classes.

# Step 1: Define the Subsystem Classes



- First, let's define the classes of our video processing subsystem. These classes (AudioMixer, VideoFile, BitrateReader, CodecFactory, OggCompressionCodec, and MPEG4CompressionCodec) will each have specific roles, but for simplicity, they'll have basic, hypothetical methods.