ADAPTER DESIGN PATTERN

|  |
| --- |
| MediaApp |
| -source:Source  +playMedia() |

|  |
| --- |
| Source |
| +connect(name):void |

CLIENT INTERFACE

Uses

Implements

|  |
| --- |
| LocalSource |
| +connect(name) |

|  |
| --- |
| StreamSource |
| +connect(name) |

|  |
| --- |
| APISource |
| +connect(name) |

CONCRETE ADAPTERS

DECORATOR DESIGN PATTERN

CLIENT

|  |
| --- |
| MediaController |
| -player:Player  + startPlay() |

Uses

INTERFACE

|  |
| --- |
| Player |
| + play(): void |

Implements

|  |
| --- |
| BaseMediaPlayer |
| - fileName: String  - renderer: Renderer  + play() |

|  |
| --- |
| PlayerDecorator |
| - wrappee: Player  + play() |

Implements

<<extends>>

|  |
| --- |
| Subtitle Decorator |
| - fileName: String  - renderer: Renderer  + play() |

|  |
| --- |
| EqualizerDecorator |
| - fileName: String  - renderer: Renderer  + play() |

|  |
| --- |
| WatermarkDecorator |
| - fileName: String  - renderer: Renderer  + play() |

CONCRETE DECORATORS

COMPOSITE DESIGN PATTERN

CLIENT

|  |
| --- |
| PlaylistManager |
| - root: MediaItem  + showAll() |

Uses

INTERFACE

|  |
| --- |
| MediaItem |
| + showInfo():void |

Implements

LEAF COMPOSITE

|  |
| --- |
| Track |
| - title: String  + showInfo() |

|  |
| --- |
| Playlist |
| - items: List<MediaItem>  + add(MediaItem)  + showInfo() |

BRIDGE DESIGN PATTERN

CLIENT

|  |
| --- |
| MediaApp |
| - player: MediaPlayer  + playMedia() |

Uses

ABSTRACTION

|  |
| --- |
| MediaApp |
| + play(): void |

Implements

REFINED ABSTRACTION

|  |
| --- |
| BaseMediaPlayer |
| - renderer: Renderer  - fileName: String  + play() |

Delegates to

IMPLEMENTOR(INTERFACE)

|  |
| --- |
| Renderer |
| + render(name):void |

Implements

|  |
| --- |
| HardwareRenderer |
| + render(name) |

|  |
| --- |
| SoftwareRenderer |
| + render(name) |

CONCRETE IMPLEMENTORS

PROXY DESIGN PATTERN

CLIENT

|  |
| --- |
| StreamController |
| - stream: RemoteMedia  + playStream() |

Uses

SUBJECT(INTERFACE)

|  |
| --- |
| RemoteMedia |
| + playStream(name):void |

Implements

REALSUBJECT PROXY

|  |
| --- |
| RealRemoteMedia |
| + playStream(name) |

|  |
| --- |
| RemoteMediaProxy |
| - realMedia: RealRemoteMedia  - cache: String  + playStream(name) |