**ADAPTER**

**Target Interface**

**<< interface >>**

**Client** (ImprovedMediaPlayer)

**MediaSource**

+ load(fileName: String)

**Adaptee** (Internal media logic)

**Adapter(s)**

LocalFilePlayer

HLSStreamPlayer

RemoteAPIPlayer

+ load(fileName): String

**Client** (ImprovedMediaPlayer)

**BRIDGE**

**concrete**

**implementation**

**SoftwareRenderer**

- renderer(fileName: String)

**HardwareRenderer**

- renderer(fileName: String)

**implementation**

**<< interface >>**

**abstraction**

**BaseMediaPlayer**

- fileName: String

- renderer: Renderer

+ play()

**Renderer**

- renderer(fileName: String)

**component**

**DECORATOR**

**concrete component**

**concrete decorator**

**base decorator**

**<< interface >>**

**WatermarkDecorator**

+ play()

**SubtitleDecorator**

+ play()

**PlayerDecorator**

+ play()

- decoratedPlayer: Player

**BaseMediaPlayer**

- fileName: String

- renderer: Renderer

+ play()

**Player**

+ play()

**Client** (ImprovedMediaPlayer)

**EqualizerDecorator**

+ play()

**COMPOSITE**

**component**

**<< interface >>**

**composite**

**leaf**

**Client** (ImprovedMediaPlayer)

**PlaylistComponent**

+ showDetails()

+ showDetails()

**Song**

+ name: String

**Playlist**

- name: String

- components: List<PlaylistComponent>

+ add(PlaylistComponent)

+ showDetails()

**PROXY**

**subject**

**<< interface >>**

**RemoteMedia**

+ playStream(fileName: String)

**Client** (ImprovedMediaPlayer)

**real subject**

**proxy**

+ playStream(fileName: String)

**RemoteMediaProxy**

- realRemoteMedia: RealRemoteMedia

- cache: String

+ playStream(fileName: String)

**RealRemoteMedia**