Video Streaming Class Diagram

Stream

-streamingVideo:Video
-numViewed:int

+Stream(const Video& video, int occurrences)
+viewings():int
+video():Video
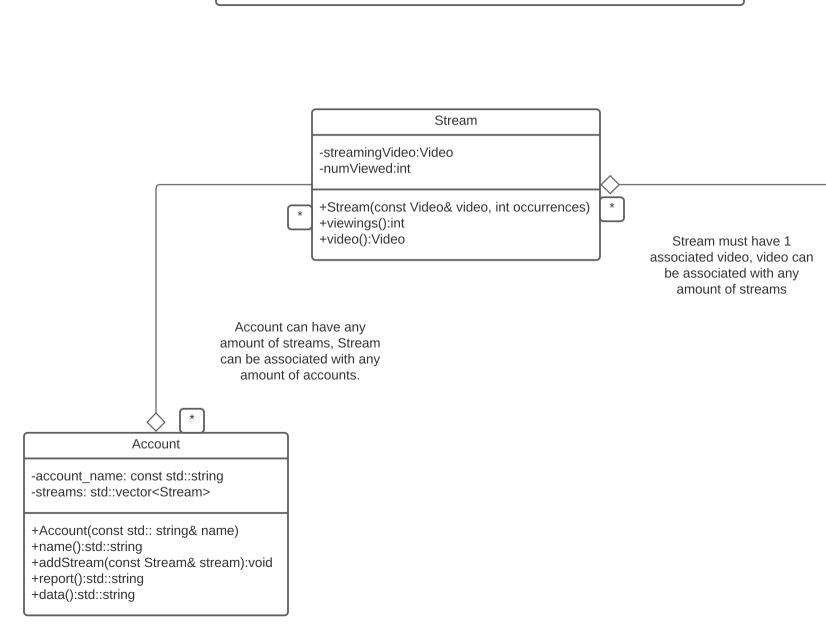
Video

-videoTitle:std::string
-videoType:int
-lengthHours:int
-lengthMinutes:int
-numEpisodes:int
+MOVIE:static const int=0
+TVSHOW:static const int=1
+ORIGINAL:static const int=2

+Video(const std::string& title, int type, int hours, int minutes, int episodes)
+title():std::string
+type():int
+hours():int
+minutes():int
+episodes():int
+setLength(int hours, int minutes):void

Stream must have 1 associated video, video can be associated with any amount of streams

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Account

-account_name: const std::string
-streams: std::vector<Stream>

+Account(const std:: string& name)
+name():std::string
+addStream(const Stream& stream):void
+report():std::string
+data():std::string

Account can have any amount of streams, Stream can be associated with any amount of accounts.

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