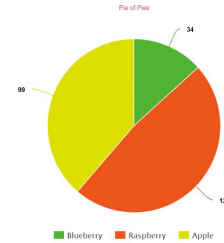
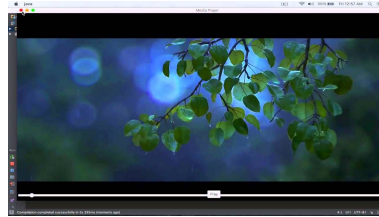


# Framework for Entertainment Data Collection and Visualization

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Any media that has a title, videos and reviews/comments such as movies, tv shows, video games and music.

- Example visualization plugins:

**Web page** that introduces the media with a video and other information.

**Wordcloud** of most frequent words in the review/comment.

## Pie chart with sentiment analysis.



# Generality and Specificity of Framework

## Abstractions:

- The data and visualization plugins are not coupled; the framework and framework GUI controls the flow of the project
- The data is represented as an abstract class (MediaInfo)

## Reusability:

- Framework can be reused for a variety of data and visualization plugins
- Sentiment analysis can be conducted for all media

## Flexibility of plugins:

- Data plugins can take in data from any source, given that the data represents some form of entertainment with a title, reviews/comments, and an associated video
  - For instance, a song typically has a title and a music video with comments
- Visualization plugins can visualize any data processed by the data plugin

# Project Structure



## Main class

### Core

- MediaFramework
- MediaInterface

### GUI

- FrameworkGUI

### Plugins

- Data Plugins (extend MediaPluginInterface):
  - MovieIMDBPlugin
  - MovieRottenTomatoPlugin
  - VideoGameIGNPlugin

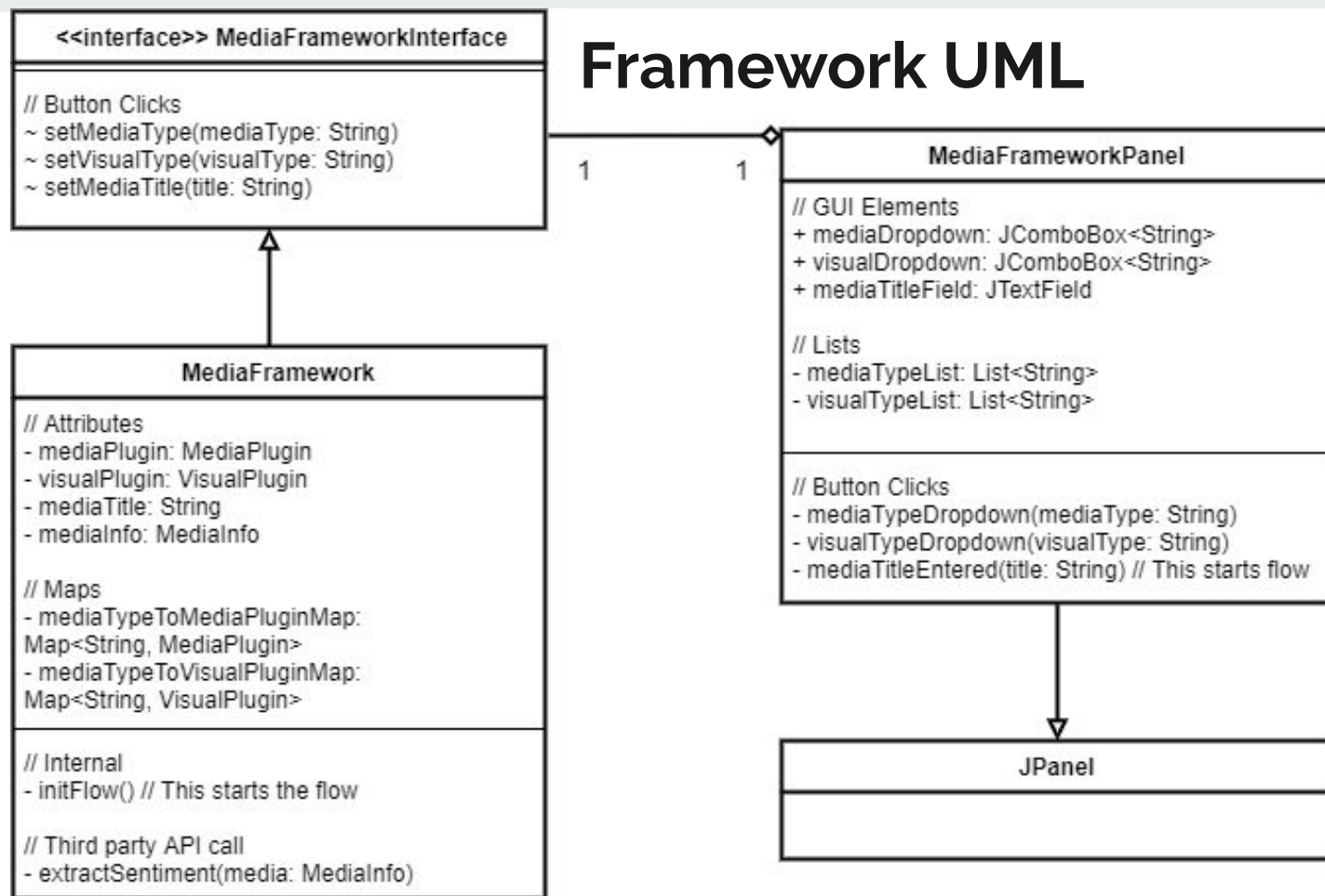
## Plugins

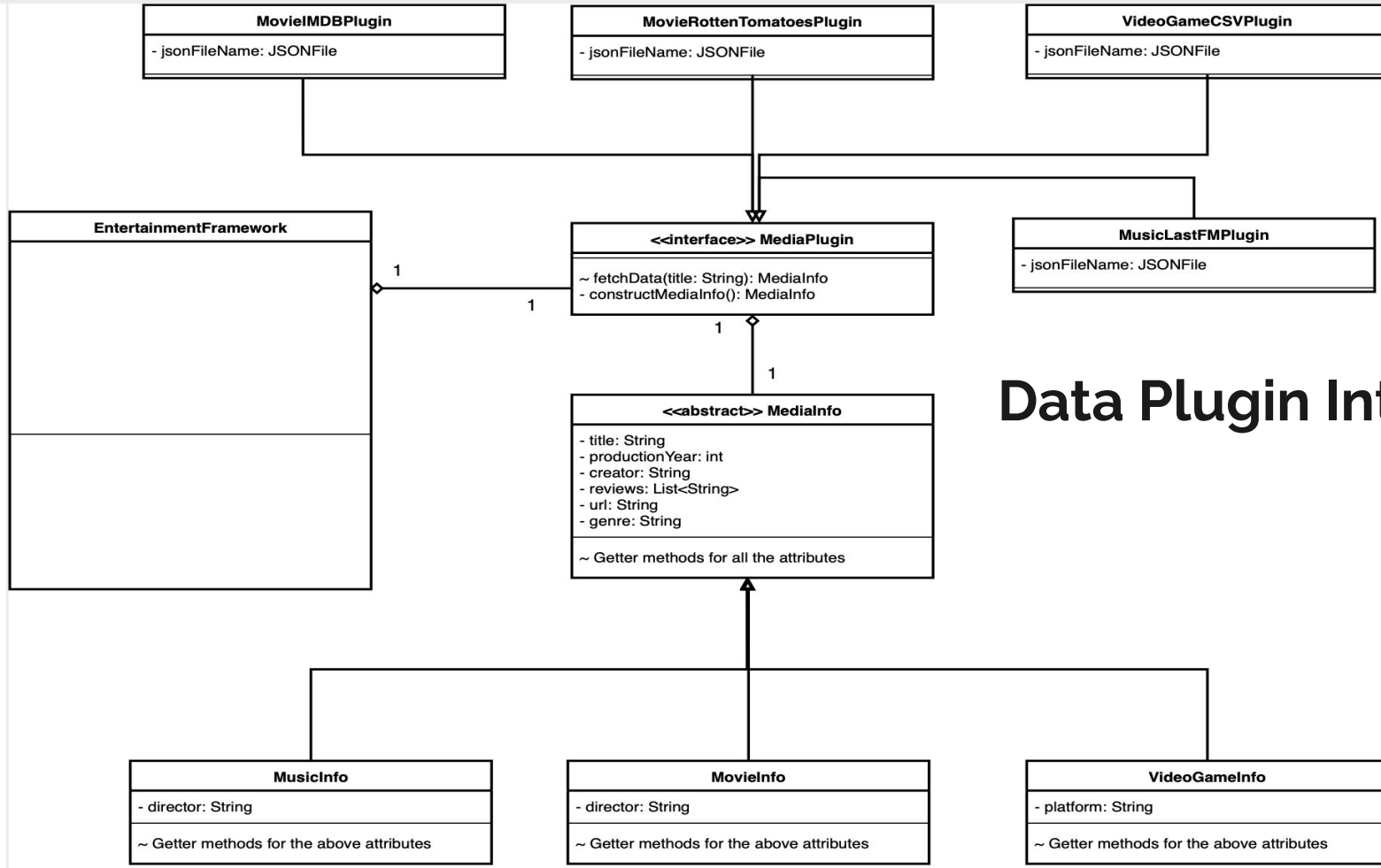
- Visual Plugins (extend VisualPluginInterface):
  - SentimentPlugin
  - WebpagePlugin
  - WordCloudPlugin

## Test

- FrameworkTest
- PluginTest

# Framework UML





# Data Plugin Interface

# Visualization Plugin

