

Options: (may appear before or after arguments)

```
{-v | --volume} VOLUME
    set the volume for playback of the file
{-h | --help}
    print help
{ --leaks}
    run leaks analysis
{-t | --time} TIME
    play for TIME seconds
{-r | --rate} RATE
    play at playback rate
{-q | --rQuality} QUALITY
    set the quality used for rate-scaled playback (default is 0 - low
quality, 1 - high quality)
{-d | --debug}
    debug print output
```

Linux Music Player

For Linux, I recommend installing mpg123 from its official web site, www.mpg123.de. It is a sleek, decent music player utility like `afplay`. You can run `mpg123` by entering the following command in your console:

```
$ mpg123 'something.mp3'
```

Doing so plays the music file you specify.

Module Workflow

First you need to find all the MP3 files present in the path specified by the user as well as in its subdirectories, and make a list. Next, you either choose a random music file to play and send it to the music player or search the music list to find the song the user requested. Then, you fingerprint the OS to determine which music player to summon (see Figure 5-1).