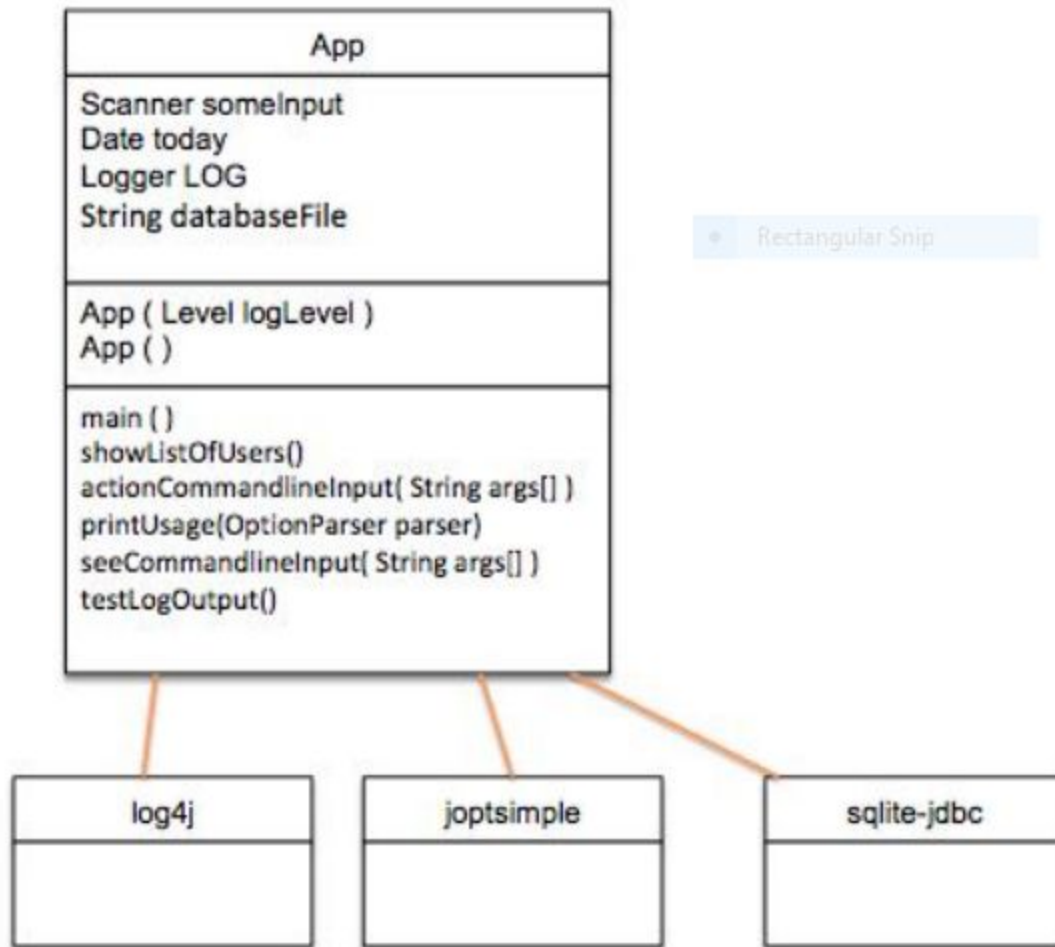# Requirements

Requirements outlined in the brief:

An application is required which allows for a user generated playlist to be submitted into a database.

The users names will not be revealed so a login must be created for online submission.

Another database for collecting descriptions of the playlists must also be included.

The songs submitted in the playlist must be able to store the following details: song name, artist name and year published. A link to where the song can be played online must also be included.

Functions of the program:

App
Scanner someInput Date today Logger LOG String databaseFile
App (Level logLevel) App ( )
main ( ) showListOfUsers() actionCommandlineInput(String args[]) printUsage(OptionParser parser) seeCommandlineInput(String args[]) testLogOutput()

Rectangular Snip

log4j	

joptsimple	

sqlite-jdbc	

Above is a basic diagram of the functions of the App. Log4j will store any logs taken by the app.
SQLite will store the playlists, music and users.

Three Additional Functions:

A rating system could be introduced to see which playlists proved to be the most popular.

A user could share a playlist with themselves or others. Possibly be downloading or forwarding a copy of the playlist.

If the database was expanded the users could submit playlists or songs on a daily basis while keeping a diary about their day and why they chose that song.

Proof of Concept Scope:

- Start new project in eclipse - Create github repository
- Add Library Log4j2 -
- Setting up v2 branch
- Create Jar File
- v3 branch
- Adding sqlite
- creating database folders
- merge with v4 branch
- Create menus
- Add Factory Class
- Finish User folders
- Create music viewer
- Create music playlist viewer
- Add parameters
- Final changes to main App

MVC Functionality Scope for CA4

- Allow users to be edited
- Allow playlist to be edited
- Allow music to be edited
- Allow users to be removed
- Allow playlist to be removed
- Allow music to be removed
- Add Login function