aTunes

A semestral work for A4M35OSP

Radovan Murin

17.5.2012

Table of contents

- Recap
 - a Tunes?
 - My work
- Work done
 - Buxfix
 - Betatester
 - Enhancement
- 3 Lessons learnt

Recapitulation

Let's recapitulate what was said earlier.

Atunes is an open source alternative to iTunes/Windows Media Player.

Features of aTunes.

- Auto lyrics fetcher
- Auto cover fetcher
- Music organised into a library

From a technical and project standpoint

- Written in Java
- Uses Mayen for libraries
- Actively developed, commits are done almost daily

What I wanted to do

- Verify and possibly fix ID: 3478913 : Picture of the song is fixed
- Testing new releases and reporting bugs
- Find some enhancement and implement it

Verify and possibly fix ID: 3478913

Instaled both stable and beta.

- Windows bug not reproduced
- Ubuntu bug not reproduced
- Fedora bug not reproduced

Asked bug record creator on his system details to find and reproduce the bug, but he did not respond. Bug assumed invalid.

Testing new releases and reporting bugs

Installed the beta version. Did not actively use the application. No bugs found

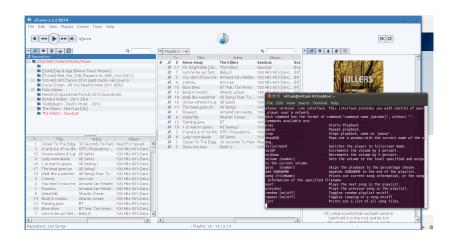
The feature enables the user to connect to the app via telnet, and remotely control what is played and browse the repository.

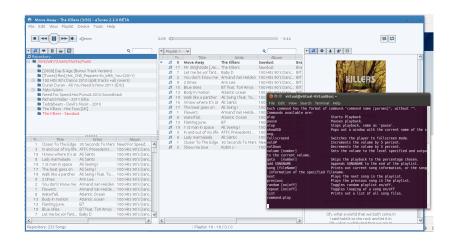
- Listens on port 7777
- Uses a system that has been there previously, just not very functional
- Sample commands: play, next, previous, list songs, song info jump to....
- Implementation not trivial, had to refactor a few classes

Status of patch: As of 15.5.2012, the patch has been accepted, tested and merged to the project repo.

The patch can be found at

http://sourceforge.net/tracker/?func=detailaid=3522596group;*d* = 161929*atid* = 821814





```
virtual@virtual-VirtualBox: ~
 File Edit View Search Terminal Help
show0SD
                                Pops out a window with the current name of the s
ona.
fullscreend
                                Switches the player to fullscreen mode.
volUP
                                Increments the volume by 5 percent.
volDown
                                Decrements the volume by 5 percent.
                                Sets the volume to the level specified and output
volume [number]
ts the current volume.
aoto [number]
                                Skips the playback to the percentage chosen.
add SONGNAME
                                Appends SONGNAME to the end of the playlist.
song [fileName]
                                Prints out current song information, or the song
information of the specified filename.
                                Plays the next song in the playlist.
next
previous
                                Plays the previous song in the playlist.
random [on|off]
                                Toggles random playlist on/off.
                                Toggles looping of a song on/off
repeat [on|off]
list
                                Prints out a list of all song files.
command:play
command:song
Name: Move Away
Artist: The Killers
Album: Sawdust
Year:2007
```

My experience

- Communication with the dev was suprisingly quick.
- Communication with the bug reporter terrible.
- Took me a month to make the patch, after the one month an important part of the code was refactored and rendered my code unusable
- Patch accepted. :)

Summary

- Reaction from a project member
- Change is in my personal repo as well as official
- Change tested by owner
- Change is documented in the ticket and on my project web
- Work covers initial goals.

Thank you

Thanks for listening!