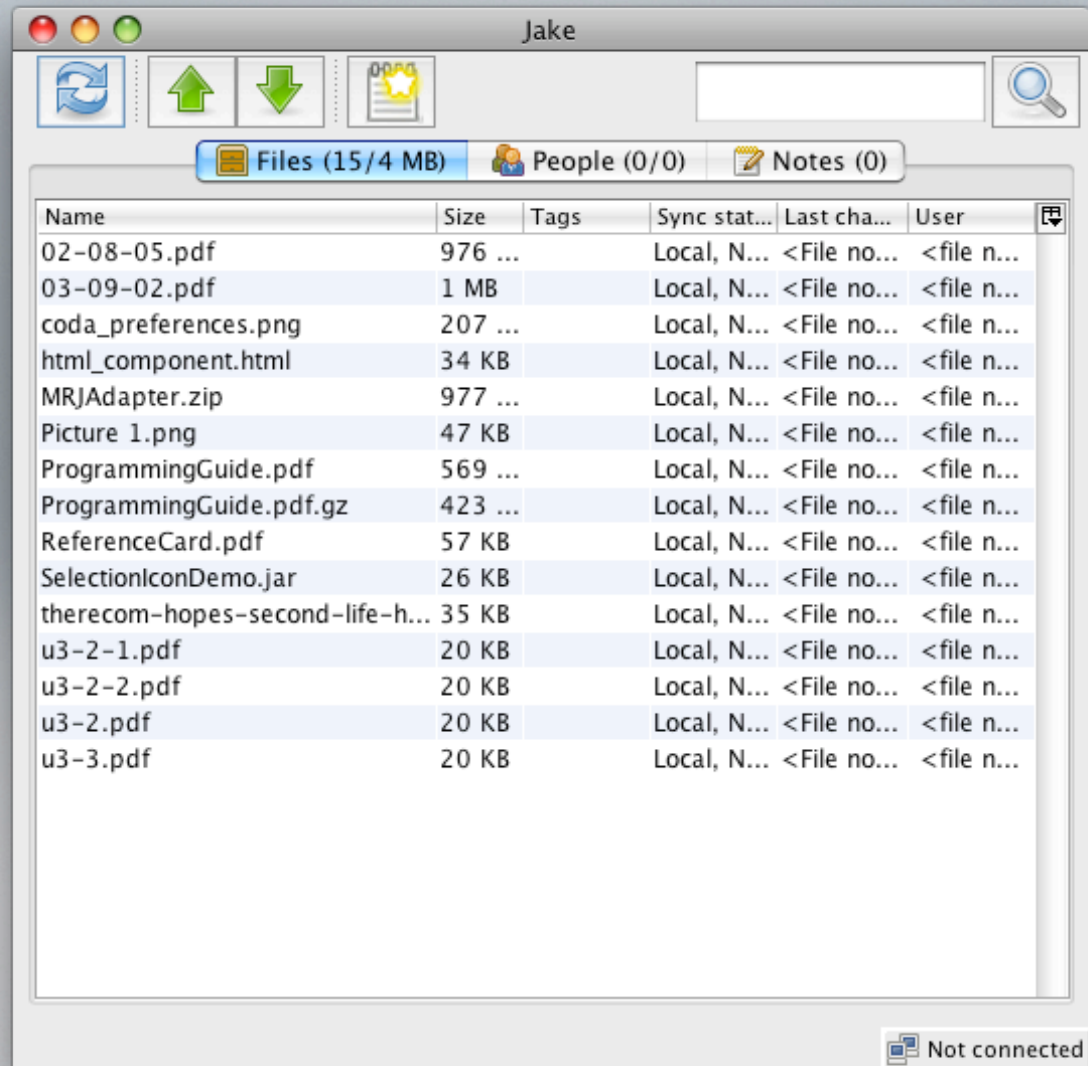




JAKE

the tale of ase team 04
january 2008

THE PAST





SUCCESS!

but...

it was just a mock...

and the gui sucked, badly!

THE PRESENT

“PROJECT ASSIGNMENT”

- phase 2 of our collaboration client
- replace mock with xmpp-implementation
- replace gui
- system integration with mac, linux and windows

THE PRESENT

ADDITIONAL REQUIREMENTS

(NOBODY ASKED FOR)

- replace plain-jdbc with hibernate
- do not reuse current daos
- triggered redesign of all internal components
- r&d daos: **> 100h!**

THE PRESENT

ADDITIONAL REQUIREMENTS & THEIR RAMIFICATIONS

- delay and problems documented since mr2 & status quo
- why?
 - hibernate unsuitable for dynamic loading of linked data
 - complex domain

THE PRESENT

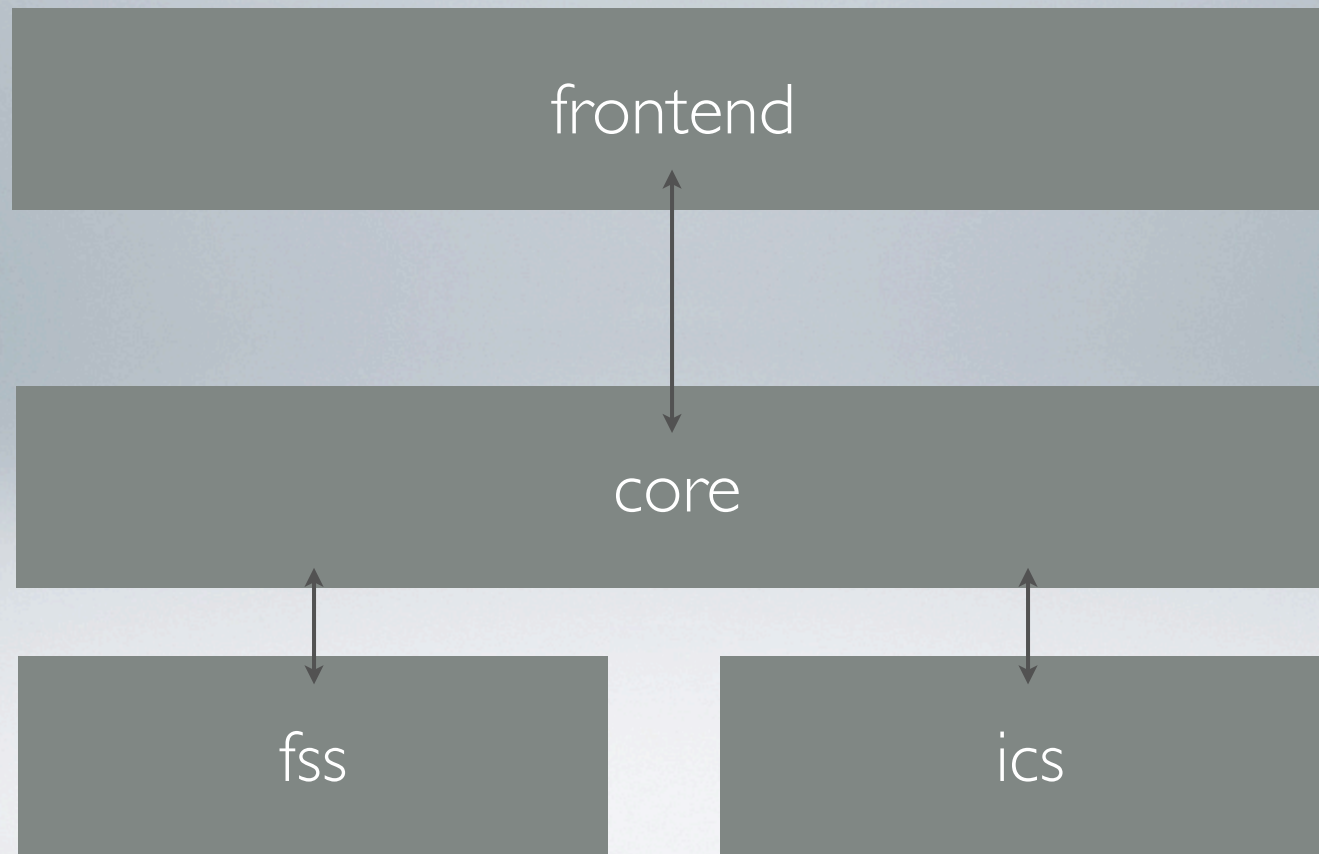
ADDITIONAL REQUIREMENTS & THE FALLOUT

- finished daos on january, 17th
- recoding of sync module could not be finished
- but:
 - the project will be continued!
 - 200-300 h until feature complete
 - beta Q1 2009

OTHER OBSTACLES

- did we mention hibernate already?
- too long evaluation (coding-start: late november)
- problems with multithreading
- gold-plating
(or: we just wanted to get it right from the beginning)

ARCHITECTURE



CORE

- highly extensible architecture
- multi-user
- multi-protocol
- multi-project
- multi-frontend

GUI DEVELOPMENT, RELOADED

- evaluation of our users
- development of demo ui
- massive usability tests “on first hand”
- look native & gorgeous
(= do not look like java)

GUI DEVELOPMENT

- evaluation of our users
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PERSONAS

- “**stefanie**” uses msn messenger, word, has an iPod, only knows windows - wants to share her holiday photos, “it should just work”
- “**alex**” student @ tu vienna. very experienced using software. uses linux or mac os. likes open-source stuff. wants an easier workflow than sending emails for sharing files in group work situations. wants full control over his files; service should be free, fast and reliable.
- “**frank**” architect. usually works on files that are way to large to send via email. finds it cumbersome to send those files to his boss every day. cares about security and does not want to use servers in the cloud to store his work.

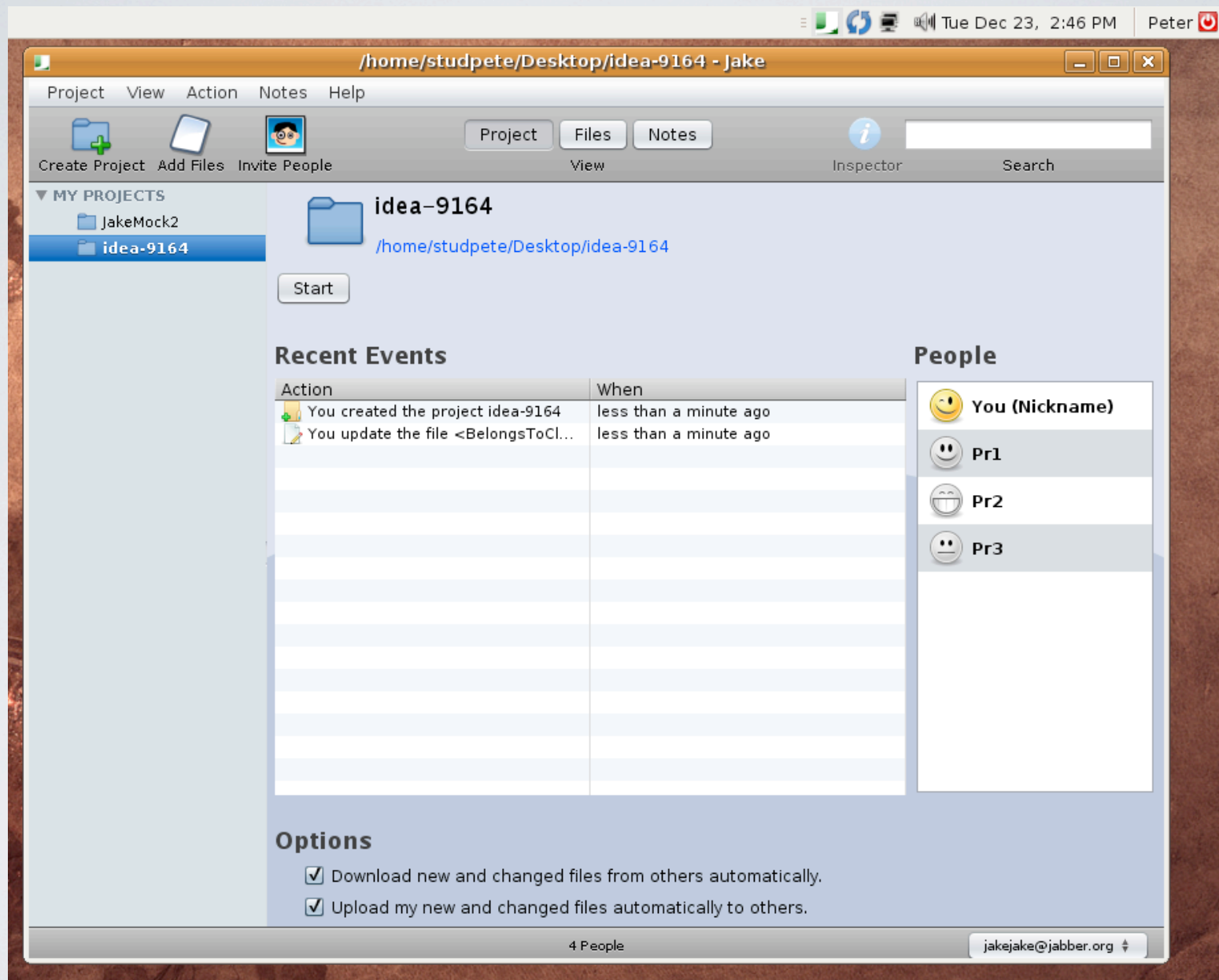
GUI DEVELOPMENT, RELOADED

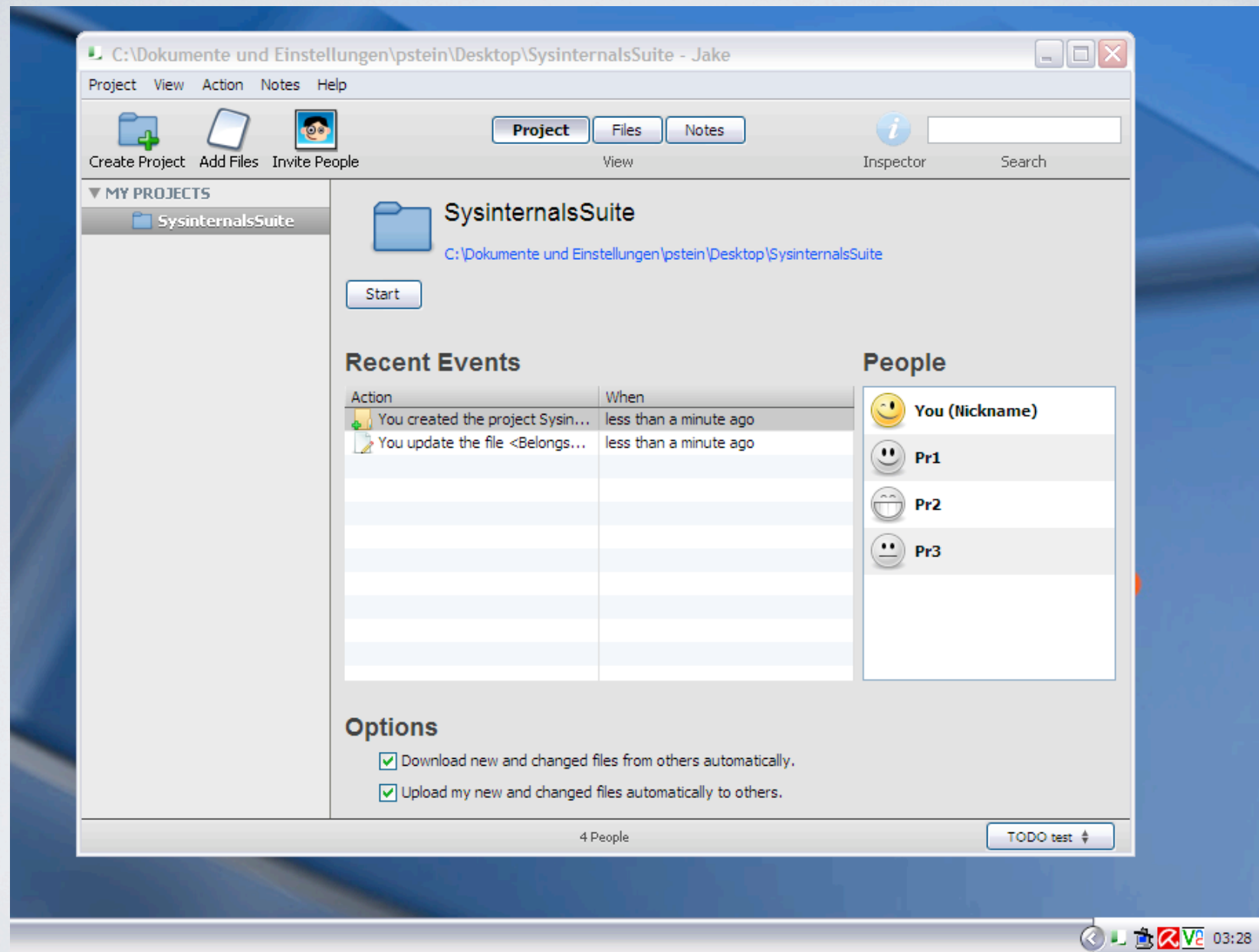
- became #1 contributor of macwidgets
- massive use of modern libs
- do it like iTunes
- look native & gorgeous (= do not look like java)

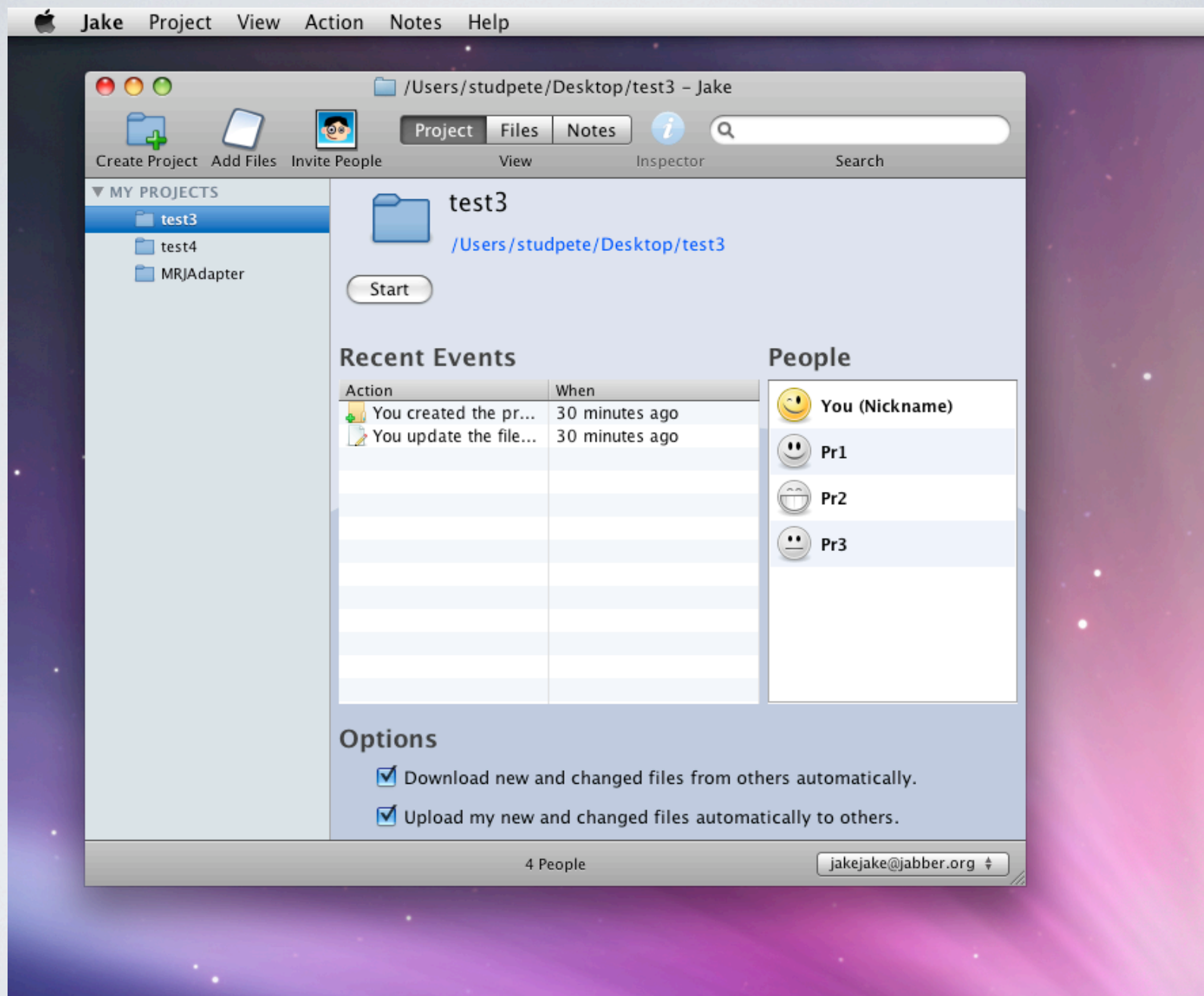
DETAILS, ITS ALL ABOUT THE DETAILS

- “why does the menu look so weird?”
- why i can't just drag my files into the application?
- what's xmpp? is it expensive? do i have to get that?
- what does red mean in the file table?
- i want to see when someone accepts my invitation!
- What to do next? (Status Bar info)

SHOWTIME







LIVE DEMO

XMPP / ICS

- Ersetzbare Komponentenarchitektur des ICS
- ICS bietet:
- Login/Logout
- Verwenden einer Nutzergruppe
- Onlinestatus anzeigen
- Nachrichten verschicken

XMPP / ICS

- Die XMPP-Implementierung bietet darüberhinaus
 - Login an beliebigen XMPP-Servern
 - Auch Google Talk, GMX, etc (tw. Unterschiede in Authentifizierung)
- Benutzergruppe wird in Roster abgelegt
- Dateitransfers per XEP-0047 (In-band)

ADDITIONAL ICS FEATURES

- In-Band oft langsam (Bandbreitenbegrenzung)
- Fallback-Architektur für Datentransfers

1. Socketadressen austauschen → P2P

- Schnell, z.B. in Firmennetzen

2. Inband

- Angedacht ist dazwischen:
 - ICE, mittels uPNP durch NATs

SHOWTIME II

STATISTICS

- core/ 13757
- fss/ 2547
- gui/ 22271
- ics/ 3655
- ics-xmpp/ 3108
- sum / **45338 lines of code**
- revision 1333+

THE FUTURE

- finish development
- go private beta
- release
- get on slashdot
- get rich & famous ;)



thank you!

we had a great time

.... and this is just the beginning!