

www.freemedforms.com



FreeMedForms: Managing drug-drug interactions. An open source model.



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FreeMedForms



- FreeMedForms is a suite of medical applications (EMR, prescriber, drugs interaction checker...)
- Community of medical doctors and computer workers/scientists over the pulse of a french team.
- Applications are freely available with full source code (GPLv3).
- Supported by OpenSuse Medical and Debian Med Team (Fedora Medical in progress).



FreeMedForms and DDI



- When FreeMedForms [1] was started (2008) a special attention was paid to DDI management
- DDI source data were identified [2-4]
- As the Open Source community lacked a free standalone prescribing software
- the prescriber plugin was therefore built into a standalone application: FreeDiams
- FreeDiams allows users to create complex prescriptions and test DDIs
- [1]: http://www.freemedforms.com
- [2]: Thésaurus des interactions médicamenteuses. AFSSAPS, France
- [3]: Drug Interactions: Cytochrome P450 Drug Interaction Table. Flockhart DA. Indiana University School of Medicine
- [4]: P-glycoprotein Table the Effect of Drugs and Foods. Oesterheld Jessica.



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FreeMedForms and DDI

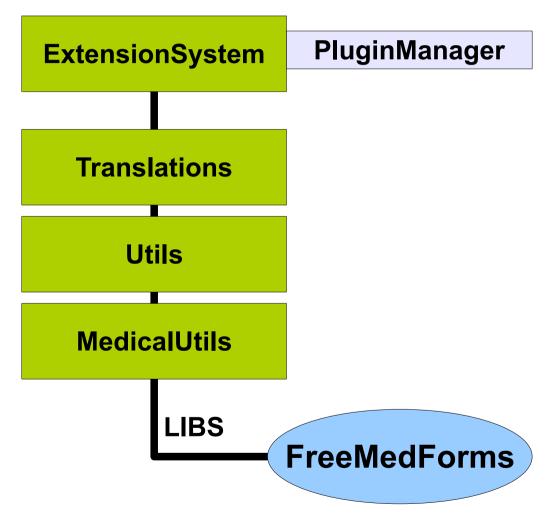


- Linux, MacOsX, Win32, Win64, (FreeBSD)
- C++ using Nokia's Qt libs
- Code is documented using Doxygen
- Massive usage of MVC architecture
- Builded using dynamic librairies with plugins architecture
- Using SQLite for local databases
- Possible interoperability
- Roadmap/Issues defined on the wiki web site



FreeMedForms App structuration



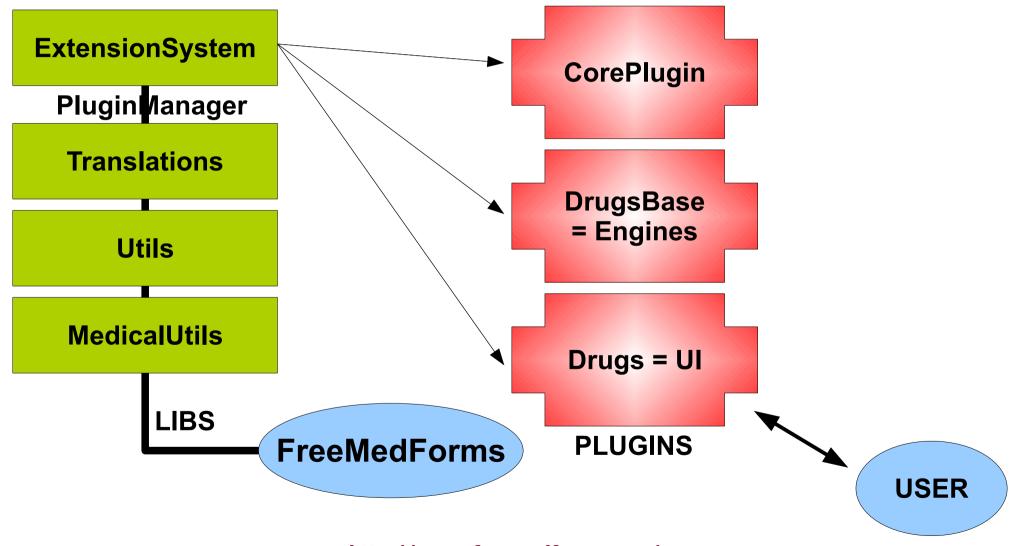


USER



FreeMedForms App structuration

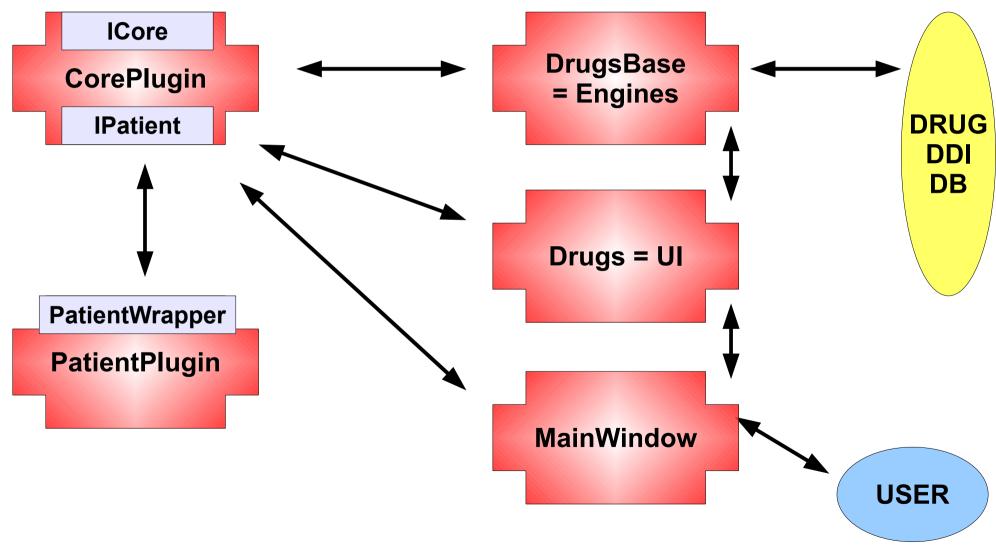






FreeMedForms Plugins interrelations







FreeMedForms DDI engine



Drug 1

ATC

Active substance 1.1

Active substance 1.2

Active substance 1.3

TO ATC

TOATC

Dynamic



IA Database

DDI Engine



Static



Active substance 2.1

Active substance 2.2

Active substance 2.3

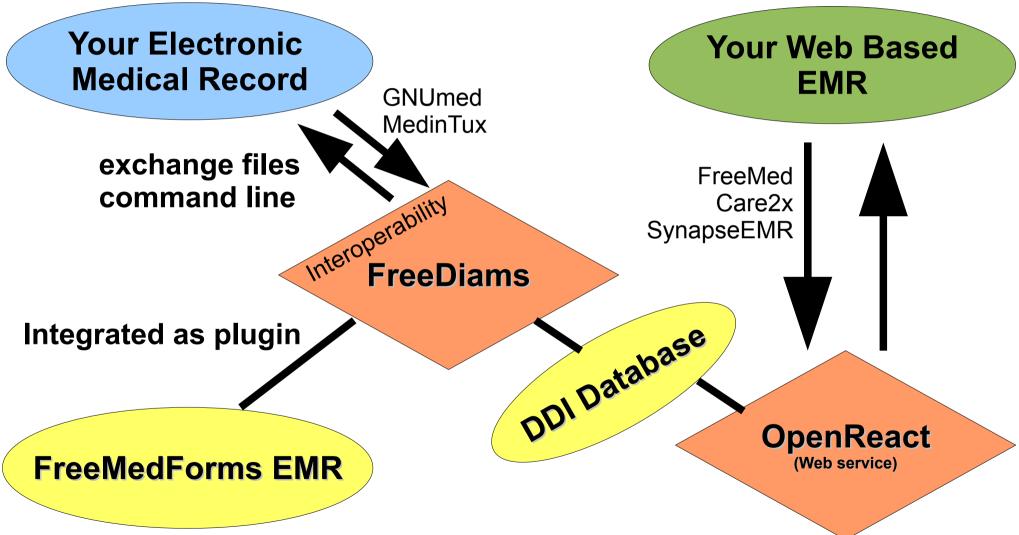
ATC

Drug 2



Sharing the DDI engine

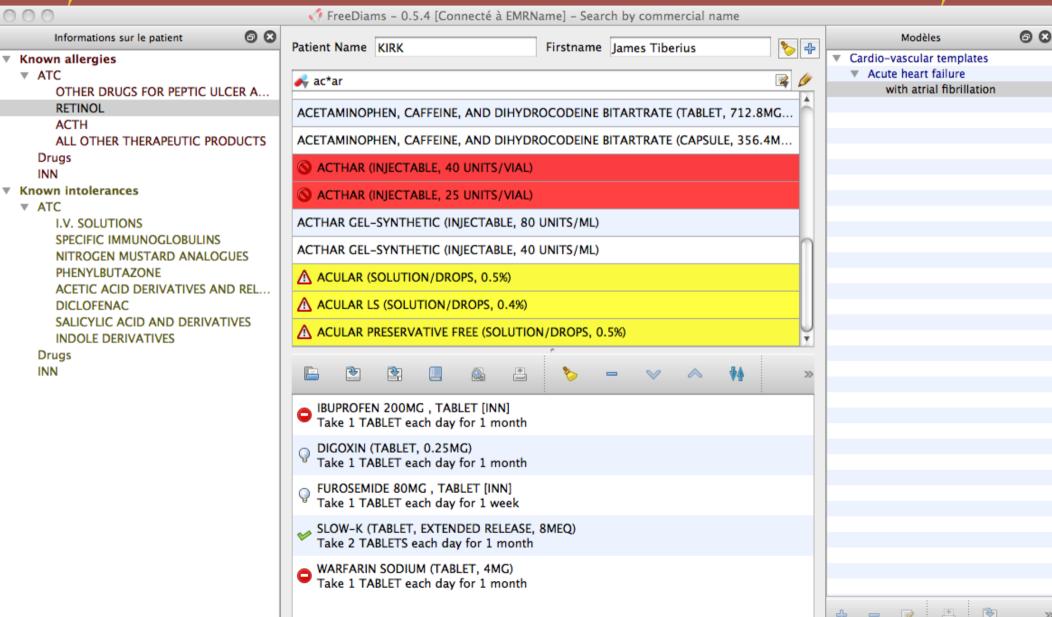






FreeDiams full Ul

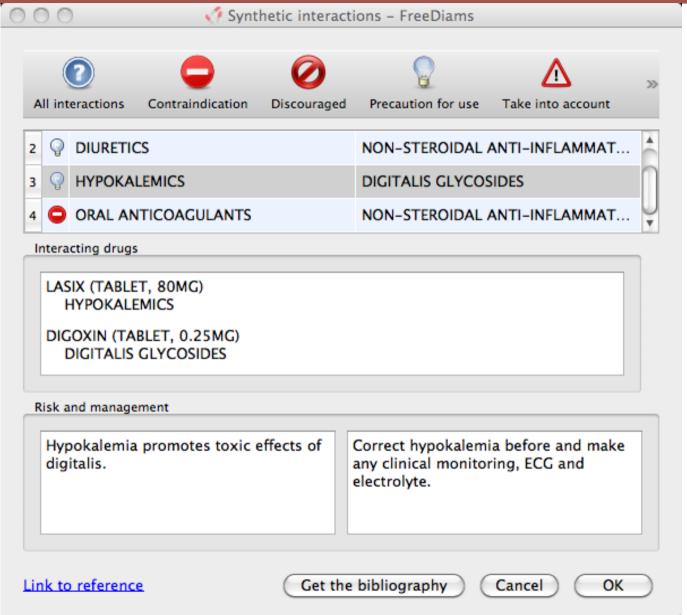






DDI synthesis dialog







FreeMedForms Needs you!



- FreeMedForms is a great and big project
- Actually unfunded
- Need devs and funds
- Code is available as package with each releases or @SVN: http://code.google.com/p/freemedforms/source/checkout
- Main web site: http://www.freemedforms.com/
- Mailing list: freemedforms@googlegroups.com
- Kisses to my wife and children (who support my devs...)
- Thanks, The FreeMedForms Team