Openser - Scaling the development

Welcome!

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OpenSER project

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Outline

1. overview

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Overview

Code base

196 KLOCs, mostly written in C
83 modules
Many different use cases, small office up to enterprise

Community

26 developers, different areas of interest and activity level
many more regular contributors, testers and bug reporter
subscribers: more than 1000 people at user list, more than 400 people at developer list
usually more than 600 messages per month written
a few modules contributed per major release

This is not a small project anymore

more structure is necessary
non-coding issues are getting more and more important
growing is not possible without healthy community

Project challenges

Documentation

varying quality both for users and developers
nobody like to write them
quality were not enforced

Tests

most tests are done privat, bugs get reported
new code don't work at all sometimes

Code structure and consistency

little motivation to improve core APIs
most cares only about the functionality
code duplication, complicated APIs

User interface

recent activities

Tests

smoke test suite was introduced into the core
mostly database related, only a few modules are more strict tested

Documentation

iniative started to get a openser introduction guide
structural improvements and cleanups
add doxygen code documents

core APIs

database support refactored
new fixup functions introduced

Setup tools

database schemes generation from one common source
structural improvements and cleanups

Ideas

establish development guidelines

to increase quality
get better maintainability

complete test coverage for modules

catch easy errors, save developer and user time for
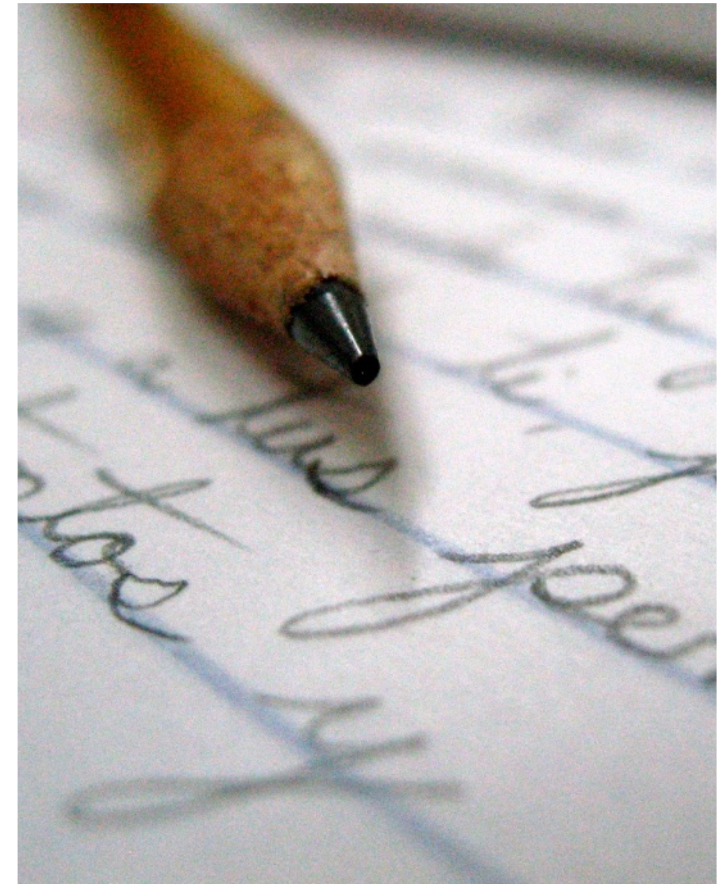the complicated ones

writing a beginners guide

as the complexity keeps growing
keep developer sanity

improve documentation quality

because features that nobody finds or understand are
useless

How you can help

Why should we care about documentation?

because developers should fix bugs and write code, not documentation
developers sometimes don't really understand the problems of users
writing documentation and tests is a great oppertunity to learn
shorten the training phase for new colleagues

Why should we care about tests?

because developers should write code, not fix bugs over and over again
to decrease the number of bugs that must be found from the QA
shorten the time from release to production

What can you do?

make this issues a priority for you
participate on the openser-docs and developer list
sponsor somebody to work on documentation and tests

Thank you very much!

Contact:

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