Collaborative text editing

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Allow multiple users to collaboratively edit documents in KTextEditor.

What for? Imagine you want to . . .

- ...quickly take some notes with friends
- ...review a text (e.g. in \LaTeX) somebody wrote
- ...have someone look at a programming problem you have
Technical circumstances

We have near optimal technical circumstances for doing this.

- *libinfinity*: Back-end library for collaborative editing
- *KTextEditor*: KDE’s extensible text editor interface
- *telepathy*: Instant messaging library, allows for easy networking

Just plug those together, and . . .
Collaborative editing KTextEditor plugin

The plugin can be used in kate, kwrite, kile, KDevelop, ...
Opening files: KIO slave

inf:// protocol for adding and opening files
Establishing connections: Stream Tubes + kde-telepathy!

Clicking a contact is all you need to do.
Future work

- some work is needed on the text plugin (e.g. Undo/Redo)
- stabilization
- tighter integration with kde-telepathy
- eventually integrate text-ui into editor?
if last_failed:
    getLocation = re.match(r"s*Loc:s*\[(.*)\]\[\(d*\)], line
    filename = "./" + '/'.join(getLocation.groups()[0].split('/')[2:])
    lineno = getLocation.groups()[1]
    self.failed_tests[-1].filename = filename
    self.failed_tests[-1].lineno = lineno
last_failed = False
print last_failed # Hi from me!
# Hi from me, too!

fail = re.match(r"FAIL:s*:s*(.*)\s*.\s", line)
if fail:
    function = fail.groups()[0]
    self.failed_tests.append(FailedTest(function))
    last_failed = True

passed, failed = len(self.passed_tests), len(self.failed_tests)
percent = (float(passed) / (failed+passed)) * 100
percent = green(percent) if percent == 100 else yellow(percent) if percent > 8

total = white(passeed+failed)
passed, failed = green(passed), red(failed)
print 'Done. Summary: %s tests total, %s passed, %s failed (%s%% passed)\n' % (total, passed, failed, percent)