

OEW Case Tool

QA Analysis, 8/26/94

Summary

OEW is a complex application that is fairly stable, although not up to our standards for fit and finish.

There are no existing tests for the product, only a rudimentary test outline that will need to be translated from German. One full-time and one part-time tester work on the project. Those testers are neither trained nor particularly experienced. The vendor's primary strategy for quality assurance is a fairly extensive beta test program.

We suggest a minimum of one tester to validate the changes to OEW. We also suggest that the developer of OEW work onsite with our test team under our supervision.

Feature Analysis

Complexity

This is a complex application.

8 interesting menus
68 interesting menu items
40 obvious dialogs
5 kinds of windows
27 buttons on the speedbar

120 thousand lines of code

Functionality

This application has substantial functionality.

Code Generation
Code Parsing
Code Diagramming
Build Invocation

Volatility

The changes in the codebase will be minor.

Bug fixes.
Smallish U.I. tweaks.
Disable support for various things, including build invocation.

Operability

The application is ready for testing immediately.

It operates like a late beta or shipping application.
The proposed changes will be unlikely to destabilize the app.

Customers

We expect that large codebases will be generated, parsed or diagrammed with this application.

About 25% of our beta testers have codebases larger than 200,000 lines.
The parsing capability will encourage customers to import their apps.

Risk Analysis

- The risk of catastrophes occurring due to changes in the codebase is small.
- The risk that the much larger and probably more demanding Borland market will be dissatisfied with OEW is significant.

QA Strategies

- Get this into beta 2, or send a special beta 2B to our testers who have large codebases.
- Find beta bangers with large codebases and have them import into OEW.
- Perform rudimentary performance analysis with big codebases.
- Bring the existing OEW testers from Germany onsite.
- Hire a dedicated OEW tester (contractor, perhaps).
- Participate in a doc. and help review.
- Translate existing test outline from German.
- Perform at least one round of compatibility testing.

Schedule

- The QA schedule will track the development schedule.
- It may take a little while to recruit a tester.

Issues

- Are there international QA issues?