

## Testing JComa

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### Timeline

- main work
- till 200412 Own specification and toolresearch
- 200412-200501 Integrating myself into the Java group
- 200412-End system installation & upgrade work due to changing requirements by the java people
- 200501 own unittests (manually not aided by jUnit)
- 200501-End installation work & "click" tests
- 1.1.2005-End Click tests
- (8.2.2005-SS2005 Testing the Beta)

### jUnit

as described before, jUnit provides

- "test framework"
- (some) GUIs
- techniques to organize and manage a whole lot of tests

The big advantage is that jUnit helps organizing tests and provides sorts of libraries. Integrated into eclipse single tests can be chosen and solely performed. Results are visually presented. But the disadvantage is, that setting up and creating these libraries and catalogues of tests is too complex to be compared to the use of it.

### own Unittests

To check the integrity of the database access routines of the java group i wrote simple java programmings similar to jUnit tests. Since this part relies only on databank-access these tests could be carried out as well as platform independent (Java) as with non-installable Coma versions.

### Click Tests

(Users View of Coma) As soon as the java group had something to be tested online i started with "click tests". All possible features of coma were being frequently tested since that time. jComa was tested on different (access-)platforms like sun workstations and PC and on different OS like Linux, Sun OS and Windows using as many different browsers as possible, mainly IE, Mozilla clones and Opera.

### W3C Tests

One week after the Click tests I started to carry out W3C Tests to check W3C conformity. Since the java group uses clever techniques via XML & XSL to produce the output the results were never worse than 4 errors.

### BrowserCheck

Since all browsers behave differently some displaying errors were not covered by W3C tests. I discovered them albeit.

### Problems

Additionally to the nown problems that all testers had in general I had too much to do with installation and special systemsettings and system updates. In the last weeks of the project I had really a lot to do, but all the installation and system related stuff was too much spilled time.

That underlines that the java group has chosen the wrong or simply too new techniques/strategies/tools for their project or that they spent too little (or too late) attention on installation and platformindependency.