

Off-Line Documentation template:HLEvents application

**1) Operational Goals**

- exercise all the IAC channels to Benchmark the throughput of each channel
- provide performance stats on the messaging alternatives
- to create a step-by-step log of how I create applications using DinkClass
- maybe implement a throughput optimization with respect to the size of the data sent.

**2) Fundamental, "key", or cornerstone architectural requirements (POSTMORTEM)**

- Need to implement a message sending scheme with an IAC channel independent API
- need to implement a message receiving scheme
- need to do some kind of profiling on the schemes.
- need a user interface to the message protocol used and the size of the messages sent.

**3) Programming paradigm and language independent model of the implementation fulfilling FOR EACH key requirements (POSTMORTEM)**

- stub out the profiling and user interface using a dummy function call to do the messaging.
- place all the messaging code in the DApplication subclass and use the DDocument and DWindow subclasses just for display of the tests.
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**4) Impact/scope of the implementation on the existing body of code FOR EACH key requirement. (POSTMORTEM)**

use lots of details

**5) Coding notes (gotchas, warnings, process thoughts, items to revisit later...)**

**6) Testing notes( bug types, what made a bug hard to fix, what could have been done to catch it sooner....)**

**7) Process notes ( what process did you follow, could it be improved)**