identifying events

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some analytics events

PAGE LOAD

HTTP POST /123/visit (sent)

HTTP POST (receive)

visit() (call)

@site.save() UPDATE SITES...

visit() (return)

HTTP STATUS 200 (sent)

HTTP STATUS 200 (receive)
reality

abstraction

event not at system interface
classification by context
include or exclude?

internal implementation step
eg, object saved to database

user interface event
eg, press ‘next’ button

event outside scope of functionality
eg, class registration in financial aid system

event not controlled by user
eg, loan app sends reminder

event not at system interface
eg, package is mailed to customer
airbus A320, warsaw 1993

aircraft landed on wet runway
aquaplaned, so brakes didn’t work
pilot applied reverse thrust, but disabled

why?

airborne ⇔ disabled

simplified; for full analysis, see [Ladkin 96]
machine, spec, requirement

identify events for a library
identify events for a voting system
identify events for an MP3 song