

Draft

Ouroboros4

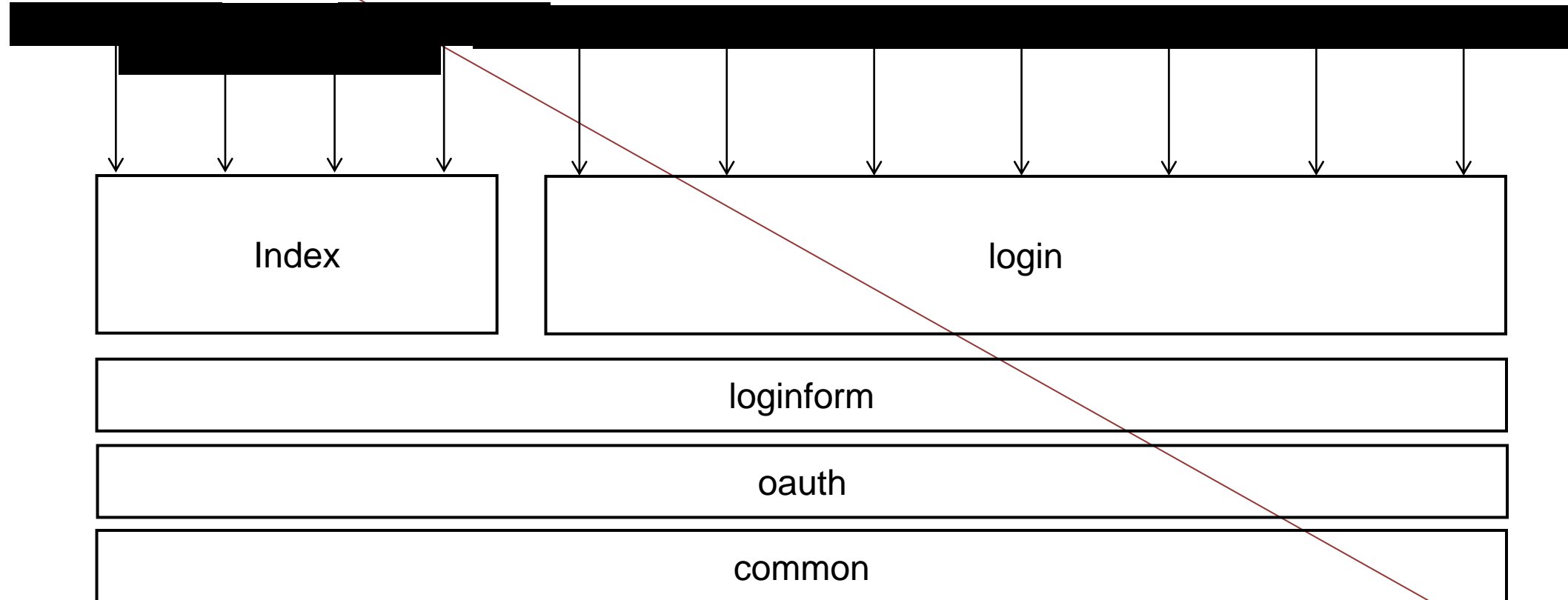
Sign-in and OAUTH process specification rev1.0

2020/11/17

- I. Software Structure**
- II. Sign-in and OAUTH Process**
- III. Next-generation Initialization Process**
- IV. Appendix:**

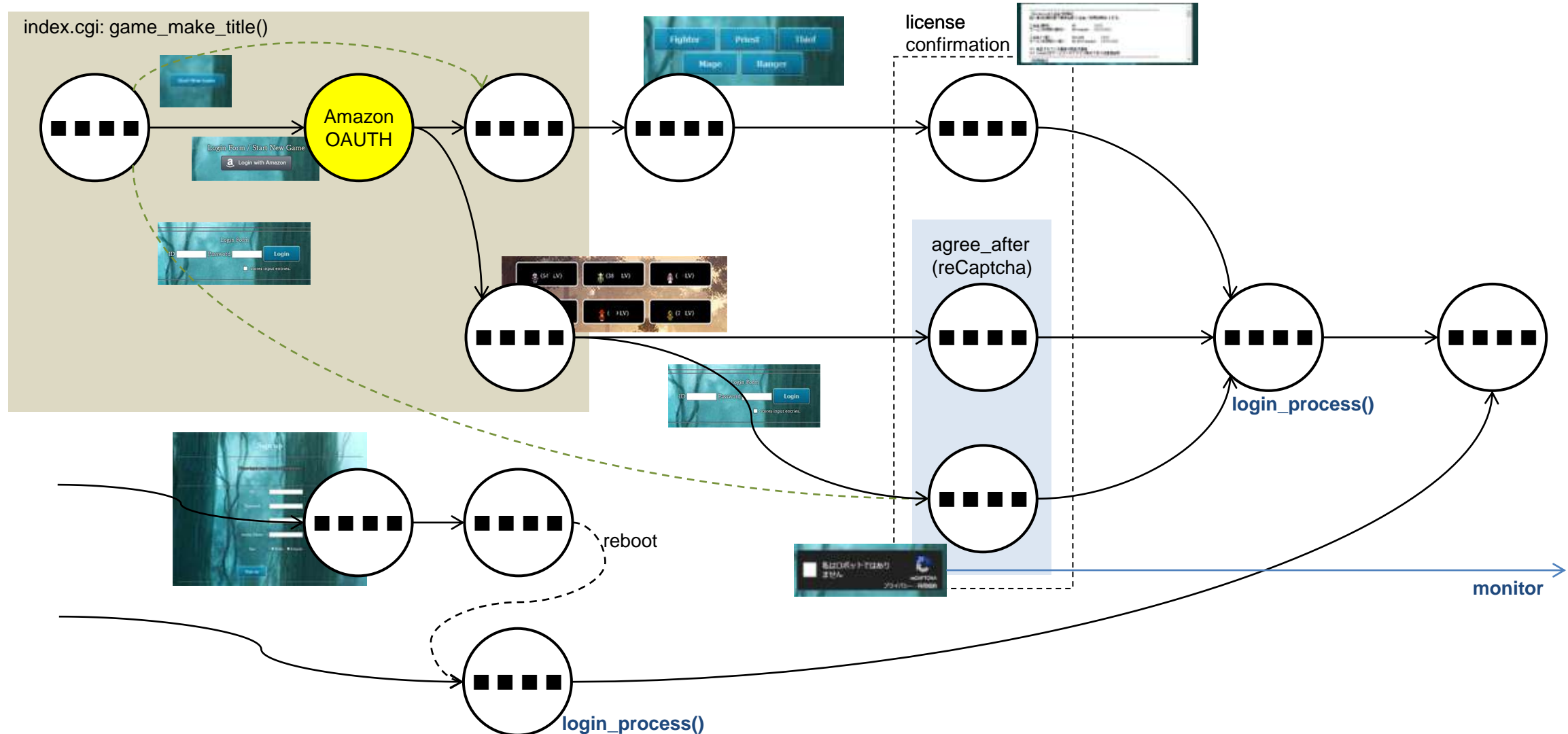
1.1. Software Structure

■ The entire software structure is as follows:



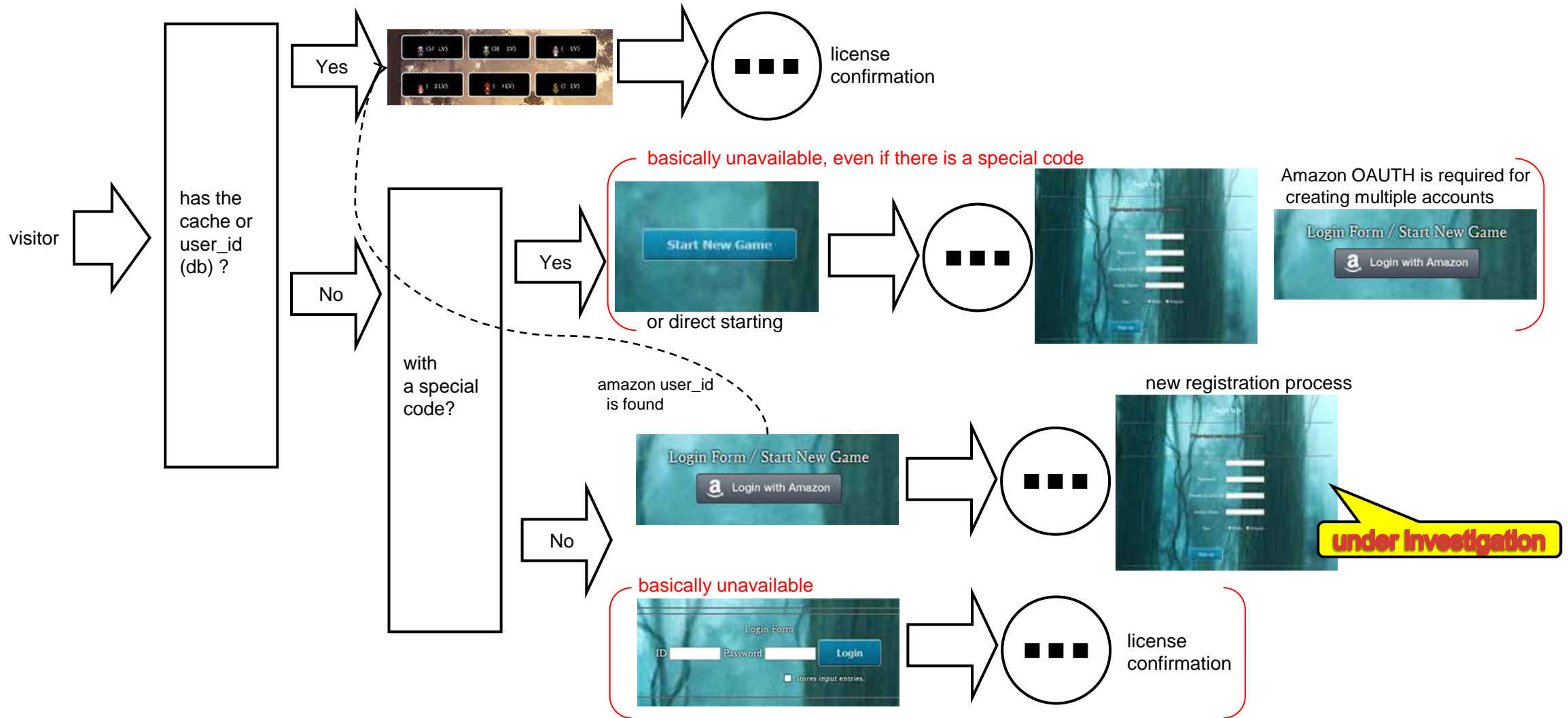
2.1. Sign-in and OAUTH Process

- The entire Sign-in and OAUTH process is as follows:



3.1. Next-generation Initialization Scheme

■ The Next-generation Initialization scheme is as follows:



3.2. Next-generation Initialization Process

■ The Next-generation Initialization process is as follows:

1. Unified registration process, including Amazon sign-in and ouroboros user ID/PASS.
2. Fast language, OAUTH cache, mobile type and window size/depth detection.
3. Non-OAUTH test play mode.
4. Unified login process(print_login_process()), including o4login process and normal sign-in process. ?(try)
5. Eliminate all o3 iframe initialization from sign-in process.

† Regarding #1, both ID/PASS are required.

→next generation login scheme as described at 3.1.

† Regarding #3, a kind of protection from malicious users is required.

→secret arguments, cache check and db check.

Appendix

■ User Account Filters

✓ The definition of “Malicious user”

- using dummy accounts that have not purchased any products
- using many dummy accounts, especially use two or more Amazon accounts
- attempt to spam, scam, and phish other users
- attempt to automate by using a kind of robots

✓ The definition of “Users without contribution”

- not spent at least \$100.00 USD on Amazon Marketplace yet
- not purchasing paid points at least \$10 USD or more
- no authority
- no recorded achievements, tasks, sophisticated something or volunteer

✓ The definition of “Anonymous user”

- using a free mail address
- invalid profile information, including fake name, address and post code

✓ The definition of “Inappropriate user”

- no honesty
- many reports are received, including such as liar, vulgar, or rude

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