Table 1: Coding Guide

Note: A task should be coded if at least one of the criteria is fulfilled.

Step	Activities / Criteria
S1. Get program information	• Gathers information to prepare for testing • Seeks out additional sources of information to understand the program (e.g. specs, documentation, asking an expert)
S2. Get expected behavior	• Reads program information or source code • Moves cursor between test suite and program code • Runs initial unmodified test suite & reviews results • Asks questions regarding expected behavior
S3. Select scenarios to test	• Specifies cases to test (verbal or text) • Specifies boundaries/ranges/types to test
S4. Update test suite	• Adds/removes/edits test cases • Edits input and output values Note: These modifications may be performed automatically by the tool
S5. Run test suite	• Presses run test button or runs terminal command to test
S6. Get observed behavior	• Generates results of running PUT against test cases • Reads/scrolls through results
S7. Select interesting results	• Notes an interesting or unexpected test case (e.g. test fails when expected to pass) • Pins test (if applicable, e.g. NaNofuzz) • Compares test case outputs to PUT description • Edits test parameters by passing surrounding values from the input space • Experiences change in emotional state (verbal cues)