

Code review

CHECKLIST

Use this form to help you perform a code review.

About the code

Module name: Login

Version reviewed: _____

Code author: _____

Reviewed by: Pritam Panda

Date: _____

Language: _____

Number of files: _____

Automated inspection

- ☒ The code compiles without errors
- ☒ The code compiles without warnings
- ☒ There are unit tests
 - ☐ They are sufficient (include all boundary cases, etc.)
- ☒ The code passes them

- ☒ The code is kept under source control
- ☒ The code has been tested with inspection tools

Tool name

Results

mocha

test case pass

☐ Continue to next section

☐ Stop review here

Design

- ☒ The code is complete (against its specification)
- ☐ There is a good choice of algorithms
- ☒ Optimizations are necessary and appropriate
- ☐ Any missing functionality is marked clearly in the code

General observations about the code's design

- ☒ The code is well structured
- ☐ There is design documentation
- ☐ The code matches the documentation

☐ Continue to next section

☐ Stop review here

General code comments

Style

- ☒ The code layout is clear
- ☐ It follows project style guidelines
- ☐ There is a good (unambiguous) public API
- ☐ There is a good choice of names

Defensive programming

- ☐ Array access is guarded and safe (C/C++)
- ☐ There is a correct choice of types
- ☐ All input is validated
- ☐ There is no use of compiler-specific features

General comments

General comments about the quality of the written code

Error handling

- ☐ Error conditions are routinely handled
- ☐ Assertions are used to validate logic
- ☒ The code is exception safe
- ☒ Errors are propagated, not hidden
- ☐ There are no resource leaks

The code uses multiple threads

- ☐ It is thread safe
- ☐ There isn't potential for deadlock

Structure

- ☐ There is no redundant code
- ☐ There is no cut-and-paste programming

☐ Continue to next section

☒ Stop review here

Statement-level review

Fill out the table below, and move on to a new sheet as required. Rate issues on a scale from 0 (cosmetic/nice to have) to 5 (must fix).

File	Line	Issue	Rating
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Continue on a separate sheet (or mark up a paper copy of the code)

Follow-up

Conclusion:

- ☒ Code OK
- ☐ Rework and verify
- ☐ Rework and re-review

Record the outcome of the review here

Complete work by: Chayan Asif Khan

Assigned verifier: Pritam Pandai