

Supplemental Notes for Lecture 13 of CS 5001
(Foundations of CS) for the Fall, 2018 session
at the Northeastern University Silicon Valley
Campus.

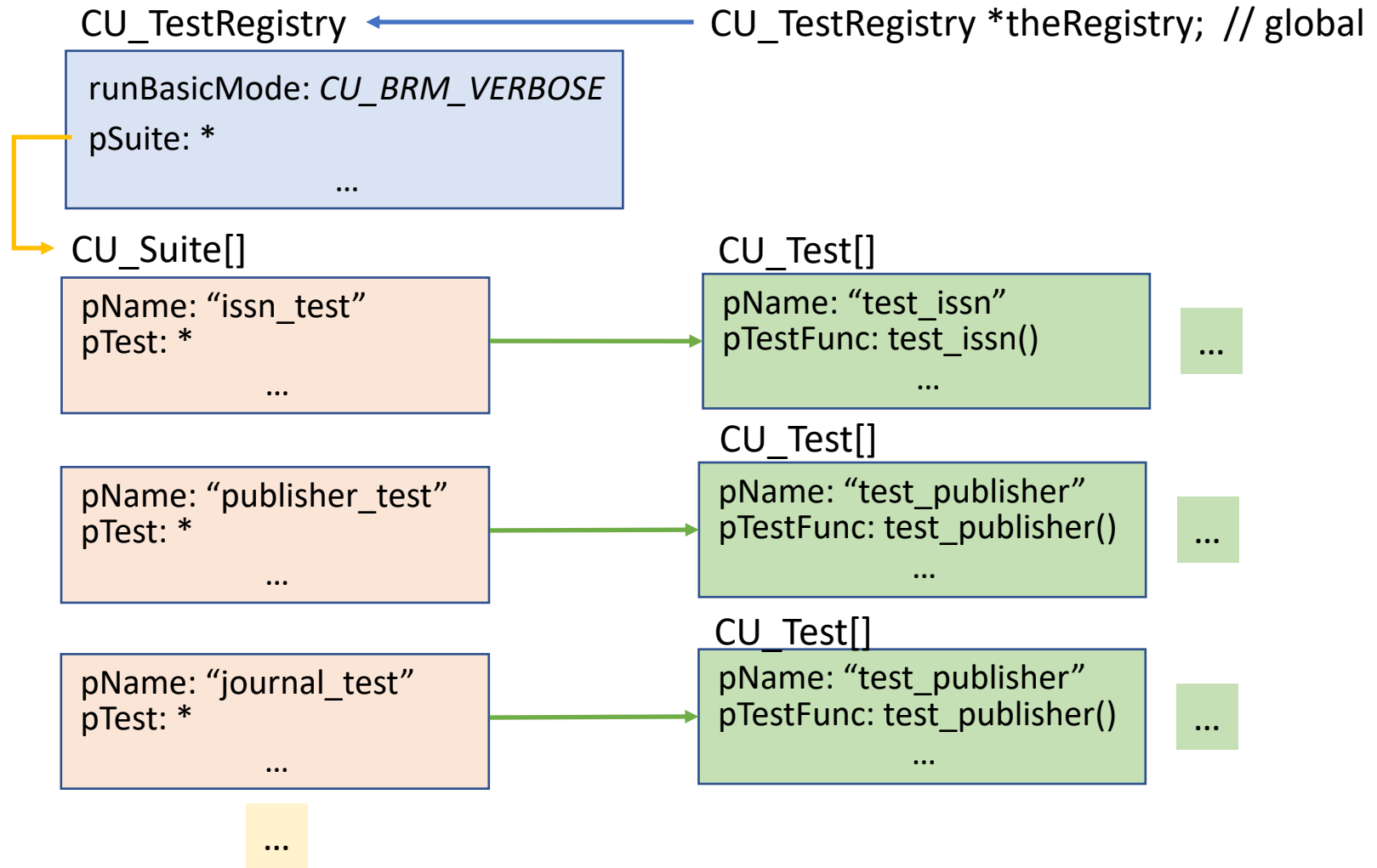
Supplement: The CUnit Data Model

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The CUnit Data Model

- The CUnit framework has a static global pointer to a `CU_Framework` struct that is statically initialized to `NULL`.
- When *`CU_initialize_registry()`* is called, a `CU_TestRegistry` struct is allocated, initialized, and assigned to the global pointer. Pointer is typedef'd as `CU_pTestRegistry`.
- When *`CU_cleanup_registry()`* is called, all allocated storage for the registry, suites, and tests is freed, and the static global pointer is reset to `NULL`.
- The following diagram shows the storage allocated for suites and tests for the multi-suite test configuration shown in class.
- `CU_Suite` is the struct for a suite, and `CU_Test` is the struct for a test. Pointers to these structs are typedef'd as `CU_pSuite` and `CU_pTest`.

The CUnit Data Model



Note: see CUnit include files for struct definitions