Unit Tests

Σέργιος - Ανέστης Κεφαλίδης Κωνσταντίνος Νικολέτος Κώστας Πλας

What is unit testing?

- A software testing method by which individual units of source code are tested.
- A test is a piece of code that tests some other code.
 - Each test should be independent.
 - Each test should test some specific functionality.
- Benefits:
 - Detect regressions.
 - Test-driven development.
- We will use a simple, header-only library for unit testing, acutest.

How does it work?

- TEST CHECK: tests a boolean condition and fails if the condition evaluates to false.
- TEST_LIST: the list specifies name of each test (it has to be unique) and pointer to a function implementing the test.