

CE340 Note

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Test Driven Development

- Software Development Methodology that is relied on testing of all required functionalities to advance the pace or stage of development.
- Prior to any advance of the project, all required milestone must be thoroughly testing until there is no error left.

Mocha for Dapp Development

- Two phases of testing
 - Smart contract functions
 - Solidity testing script
 - Javascript Interface
 - Javascript testing script

Solidity Steps

- Create “.sol” test contract
 - Create a test contract with name that starts with “Test” + <contract name>
 - Function with name start with “test” + <function name>
 - Assert to check whether that function is correctly perform its task.
- Start block simulator
 - truffle develop
- Run test
 - truffle test (all files will be executed)
 - E.g. truffle test -g Basic