Unit test ~ Function or Method Level (smallest unit)

1. Phan biet test type, test level

Test type: basically there are 3 types of test: black box, white box, gray box

* Dynamic: phai thuc su chay phan mem tren may (black box, white box: based on experience of designers)
* Static: ko phai execute (ko phai load code vao mach) ma chi phai review tren he thong
* functional test, regression test, smoke, sanity, load, etc.

Test level: phase of testing activity are going on: unit level, integration level, system level, (user acceptance) production level.

Unit test 🡪 a single program, module, or unit of code.

Integration 🡪 related programs, modules, or units of code

System 🡪 entire system with respect to functionality and performance

UAT (user) 🡪 regardless of various system requirements

Uu nhuoc diem cac loai test type

1. Phan biet regression test,confirmation test

Confirm: xac dinh bug A sau khi sua xem con co bug A hay khong

Regress: moi khi co 1 su thay doi nao 🡪 co anh huong den cac component khac hay ko? (no side effects)

1. The nao la stub, driver trong testing

Stub and driver both are dummy modules, are only created for test purposes.

1. Cac loai input cua ham bao gom cai gi?

LanBT: 0978 175 808

SRS: Software Requirement Specification

Mod1\_Test10m()

- Phai biet ham do lam gi (chuc nang) --> phai viet description

Function Description

Test Code

Test Result

**Assignment 6: Unit Test**

Test functions in file: TestMod1.c

Review code and record error

Modify code + create project and main.c to make it compliable

Create EQ class file for TestMode1.c functions as template in TestMode1\_API\_EC.xlsx

Write test code; execute test and reporting the result as template: TestReport\_template.xlsx

New update requirements:

-          Viết mô tả chức năng của hàm: Mod1\_Test10mTask

-          Viết test code,

+ chạy test

+ report kết quả test

cho hàm : Mod1\_Test10mTask

Compilable code at file attach.

Deadline nộp bài: today.