

The structure of this plan file is copied from the design file (but this one is more detailed)

File distribution plan

- practical-09-11
 - Readme (the design, plan and test log file)
 - markdown_picture (the picture for all of the md file)
 - src (final version of project will store into it)
 - test (the Test file and each increment will do in this one)
 - txt (the Ascii text, Question.txt file will store in this one)
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Testing Plan

Since the user input is uncertain, my testing will be performed manually.

Component test

for each Function in a class I will keep track of them then collect functions into its Class.

1. for using create a windows class, I create a functionTest.cpp and ncursesTest.cpp just try how the ncurses windows works.
2. LetterTest.cpp also not for any class, just for the title or some letters I want to use ncurses show on screen.
3. MainTest.cpp is my prototype for whole project, the first it will not include any class or function, only include the logic of my project.
4. re_questionTest.cpp this one is based on lofile class, only test in ncurses form.
5. add_questionTest.cpp will test the add question function in subject class using iostream then change it to ncurses form and test it again.

Unit test

for each Class I will write a single Testfile coordinate to each of them.

1. lofileTest.cpp: test the lofile class
2. OopTest.cpp: Test Oop class
3. QuestionTest.cpp: Test Question Class
4. ReadQAfromfileTest.cpp: Test both lofile class and the Question class, implement io questions to or from a file.

System test

once a Unit test finish, I will collect them into final System test file and test whether it will works.

1. SystemTest.cpp is the real main test file for my whole prject.

Schedule Plan

add code into my Makefile when the new Test file created.

there are two Makefile, one in src directory for the final version, another one in test directory for all test version.

Week 8

draw a bluepoint for the whole project, and delect some of features that is difficut to implement.

Break Week 1

Create a project prototype to achieve the final look of the project.

Break Week 2

implement the Iofile, Windows and Question class.

Week 9

Finish one of the Subject which is Oop, and make the whole program excutable.

Week 10

Finish LFS and ISE Subject, add all tested code into Main file also make it excutable.

Week 11

Since the time is limted, in this week, I only double check if my main program works fine and if time is enough i will add some user prompt and color in my final version.