

PROJECT MANAGEMENT COURSE

Report for the fourth iteration

Hospital management system –HMS

Author: NGUYEN Huu Phat

In the fourth iteration, I keep my role is “Developer” and my responsibilities are

- Redesign all user interface
- Refactor exist test class
- Implement functions related to doctor role
 - o Insert Diagnosis
 - o Update Diagnosis
 - o Manage schedule

Redesign all user interface

In last iteration, user interface is not well design, so I redesign all user interfaces, it become more clearly and easier to catch input value.

For each interface, in constructor has a sequence of code

- Initialize UI components
- Fill in combo box (if necessary)
- Add action listener

Refactor exist test class

As client suggested in last iteration, most of methods are refactored to meet up JAVA coding styles, not C++ styles. For example, method should raise exception when an error occur, not return a integer number

Implement functions related to doctor role

With doctor role, user can insert new diagnosis for patient or update exists diagnosis, which is made by nurse; and manages their schedule

For each function, I tried to apply XP practices to

- Define mock object for real object which is not implemented
- Test behaviors of mock object

Difficult in my tasks

When I change some method from C++ style to JAVA style, I have a problem with create a test for void method.

Event I apply a structure of test method which I found in Easymock tutorial, many times I meet a `IllegalStateException`, but I did not find a solution for it

I hope Prof. Emilie Balland can help us solve these problems