

# **Hospital Management System Project**

Report for iteration 3

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# Introduction

- In iteration 3, we planed:
  - Develop functions relate to nurse role: generic diagnostic, assign doctor
  - Design test for all functions
  - Refactor : exist code, database wrapper, new code
  - Configure GitHub understands CloudBees

# Roles

- Coach: Ms. Emillie Balland
- Project manager: Ngo Minh Anh Thu
- Tracker: Tran Le Nhu Quynh
- Programmer: Nguyen Huu Phat
- Programmer: **Le Xuan Hoan**

# Applying XP methodology

- Design unit testing for input values, verify valid data and check function behaviors before coding
- Apply pair programming
- Keep coding standards
- Standup meeting more frequency
- Use automation tools

# Advantages

- All members familiar with XP programming better than previous iterations
- The schedule suitable for all members to follow.
- Automation built system

# Issues and Solutions

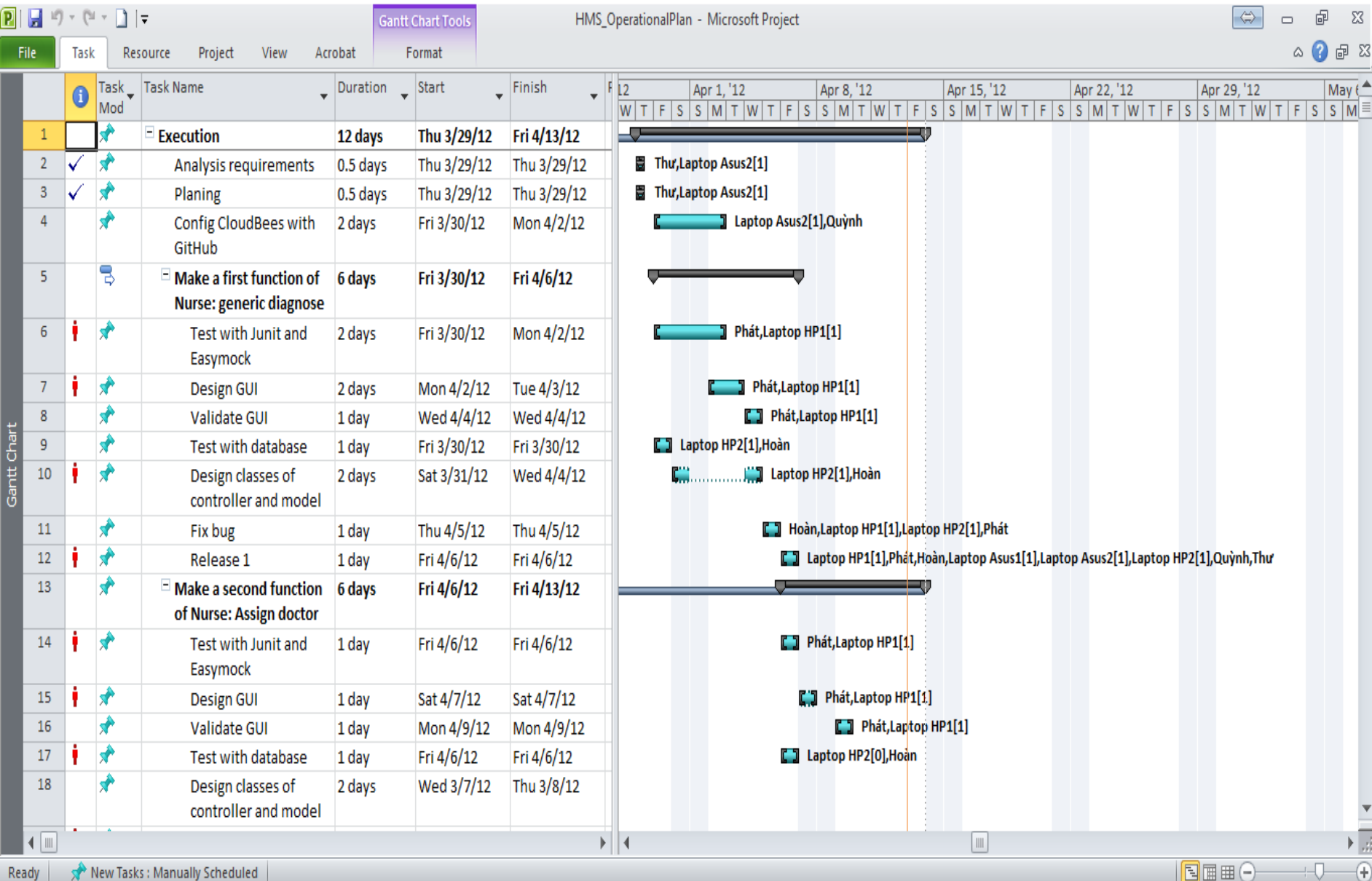
- Sometimes have problem when commit code to GitHub:
  - **Github raise error “git did not exit cleanly”**
    - solutions:
      - Pull new code from github, merge it with local version
      - Pull new code to another workspace in local PC, manual compare
  - **Sometime when we push new code to Github, raise an error: non-fast-forward**
    - Solutions: not yet
  - **Event if we give correct username and password of our repository in Github, then try upload new code, It's said that “Authencation failed”**
    - Solutions: not yet

# Issues and Solutions

- **Problem with using Unit test and Easymock:** Eclipse raise error about cglib and objenesis
  - Solution: download and install Objenesis 1.2 instead of Objenesis 1.0. Besides that, install new package for cglib by using cglib-nodep-2.2.2.jar from instead of cbglib-2.2.jar to avoid platform dependent  
*(more detail in Nguyen Huu Phat's report)*
- Sometimes we have some conflicts in submitting code
  - Solution: Each programmer just commit files which are modified by himself, do not commit all files in project  
*(more detail in Quynh's report)*



# Task have been done



# Task have been done

- Finish implement and test for nurse's functions: generic diagnostic, assign doctor
- Finish configure GitHub understands CloudBees : the submit implement code and test has automatic merge and built
- Refactor all code in this iteration and previous iteration
- Commit code frequency into small time slot

# Planning for next iteration

- Change team members' role
- Develop two more functions relate to doctor role
- Improve in applying XP methodology