



BBM487 -Software Engineering Laboratory

Library Book Loan System Change Management Report

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1.Purpose :

This document describes our project team's way to handle changes, changing decisions, limitations and other semblances of development process.

Changes in design constraints or any other part of the project in the middle of the development process can be hard to handle if decisions didn't made wisely. This subject need a structured approach to decide what to change and what to keep.

2.Our Approach to Change Management :

In the last 2 release we provided so far, we changed some parts of our development project.

We got 2 way to start a change process. One of them is feedbacks by ourselves by using and inspecting program. The other way is on Git version control system. For continuous integration we use Travis CI but PyQt framework is not quite familiar with this approach so we will use Travis CI to test minor parts of our software.

By using Github's issue system, we can give formal feedbacks to think and work on. All pull requests and issues are well-considered by our project team.

We changed Ui looks and several minor elements of the program but the biggest change was our architectural design. At the start we decided to use PyQt's model-view architecture but we noticed that doesn't satisfy our needs. For more code reusability and modularity we changed our architecture to MVC. It is rare on PyQt community but we tried our best to convert it to our new model-view-controller project structure.