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Transition Phase Status Assessment

ITC309 – Pharmacy Error Tracker (PET)

**Version 1.0**

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# Status assessment of overall project against aims

## summary of overall project

Team Pharmacon has met the aim of the Transition Phase by demonstrating that all critical and significant project risks have been eliminated and that there is complete confidence that the project will succeed. The team has completed all deliverable items designated to demonstrate this, including:

* A deployment of the ‘beta ready’ of Pharmacy Error Tracker (PET) that is intended for the deployment environment.
* Conducting user acceptance tests
* The rectification of any defects or issues uncovered during the acceptance tests.
* Completion of any programmer documentation to the ‘handoff’ stage.

This Status Assessment will cover the risks and issues that have been addressed, discuss the delivered artefacts including the Executable Architecture, Beta Testing and Sign Off, and final documentation, as well as touch on the team status and any other concerns.

## A deployment of the ‘beta ready’ software to the intended deployment environment.

During the development of PET the team have been continuously merging features into the development branch. These features have been then cloned on to the cloud server environment and tested. This has allowed the team to ensure that not only is the product working, but also that it can be consistently deployed and configured to work on a different environment to that of the developers’ work stations. This testing has also allowed the team to be able to create several handy scripts and deployment options to ensure that the software solution can be deployed easily in a new environment and that the configuration of the system is the same from one deployment to the next. Finally, as this solution is being hosted in the cloud, it is already in a state that is available to the user community.

## The conducting of user acceptance tests.

Each member asked friends or relatives if they would be able to complete beta testing of PET. In total, six beta testers completed the initial round of tests and provided important information on areas of PET that did not work as expected. The results of the testing can be found here: [results](https://bitbucket.org/itc303teampharmacon/pharmacy_app/src/master/documents/Beta%20Test%20documents/Beta%20Testing%20Survey%20Results.docx).

# The rectification of any defects or issues uncovered in the acceptance tests.

A summary of the issues and defects found in PET through beta testing was completed and can be found [here](https://bitbucket.org/itc303teampharmacon/pharmacy_app/src/master/documents/Beta%20Test%20documents/Beta%20Testing%20Issues.docx). Each issue was assessed, and defects added to Iteration Plan 2. Work items were created and delegated to team members. As each defect was completed, testing was completed by the team member assigned to the task to ensure PET worked as required. Once all defects were completed, the Beta Testers were asked to check that the defects highlighted during the first round of testing have been rectified. A sign off document was received from each tester and these can be located [here](https://bitbucket.org/itc303teampharmacon/pharmacy_app/src/master/documents/Beta%20Test%20documents/Sign%20Offs/).

# The completion of any programmer documentation to the ‘hand off’ stage.

All initial documentation was checked and, where necessary, updated. Updated documents included the EER diagram of the PET database, the System-Wide Function Requirements, and System Architecture Documentation. These documents are located [here](https://bitbucket.org/itc303teampharmacon/pharmacy_app/src/master/documents/PRM%20updated%20documents/).

## Specific deliverables

At the start of this project, Team Pharmacon set out to deliver an application that allowed the user to record errors that occurred during the dispensing of medication in a hospital pharmacy. Another aim was to allow the user to run various reports on the recorded data. Team Pharmacon has been able to deliver a single page webpage that enables the user to:

* Log errors
* Maintain error types
* Maintain user logins
* Maintain workers
* Maintain medication types
* Maintain patient details
* Maintain patient types
* Maintain physician details
* Connect to Metabase and run various reports and visualisations
* Access to the User Guide (Manual) via a help function

## status of issues

All known issues have been dealt with during the Transition Phases. At this point, there are no known issues outstanding.

## Status of risks and risk mitigation strategies

A review of the risks surrounding the ability of Team Pharmacon to deliver a beta ready implementation model at the end of the Construction Phase had found that all risks have been attended to. Consequently, all risks were closed at the end of the Construction phase. No new risks have been identified since.

# Transition Iteration 1 review

### High-level objectives

During this iteration there were two high-level objectives to complete:

* Complete 1st round of beta testing
* Update User Manual

### Hours worked

Estimated time: 17 hours

Actual hours worked: 18 hours

Estimated time left: 0 hours

### Work items

Total work items: 3

Work items complete: 3

Work items incomplete: 0

### Remarks

In this iteration the team reached out to various contacts and found enough appropriate beta testers to conduct a round of beta testing. Additionally, some adjustments to the format of the user manual recommended in the previous phase’s feedback were made. Project Status: Green.

# Transition Iteration 2 review

### High-level objectives

During this iteration there were two high-level objectives to complete:

* Resolve issues identified during the first round of testing (Transition Iteration 1)
* Update documentation to reflect current project and allow passing on to a separate development team.

### Hours worked

Estimated time: 65 hours

Actual hours worked: 39 hours

Estimated time left: 10 hours

### Work items

Total work items: 9

Work items complete: 8

Work items incomplete: 2

### Remarks

Our beta testers were able to identify a number of issues. Fixing some of these issues turned out to be simpler than expected, while other issues were a lot harder. The team decided to extend this iteration by a few days to give more time to resolve issues and to allow the completion of iteration documentation to occur during a day when a team meeting was scheduled for better communication.  
  
Two work items were incomplete as of the end of this iteration. The first was the demonstration video which proved to be more difficult to produce than initially anticipated. The second was the beta tester sign-offs, as some of our beta testers were unable to conduct their second round of testing between the date of the last issue being fixed and the end date of the iteration. All beta tests have been successfully signed off as of the writing of this Project Status Assessment, however. Project Status: Green

# Transition Iteration 3 review

### High-level objectives

During this iteration there were two high-level objectives to complete:

* Update all documentation to reflect final project
* Successfully submit the PRM milestone.

Estimated time: 53 hours

Actual hours worked: 26 hours

Estimated time left: 0 hours

### Work items

Total work items: 3

Work items complete: 3

Work items incomplete: 3

### Remarks

This iteration was spent organising the remainder of the beta test sign-offs and updating the rest of the required documentation for the Project Release milestone. By far the biggest work item this iteration was the creation of the demonstration video, and so our team members supported Lenny (who volunteered to be responsible for the demonstration video) as he completed the task. Unfortunately, due to exams he felt he was unable to satisfactorily complete the video by the due date, so we made use of the lecturer’s previously offered extension. During this time the other team members also completed any remaining documentation tasks for PMS submission. Project Status: Green.