Pharmacy Error Tracker

Iteration Plan – Elaboration Iteration 2

# 1. Key milestones

|  |  |
| --- | --- |
| **Milestone** | **Date** |
| Iteration start | 24/04/2018 |
| Oversight Meeting | 24/04/2018 |
| Team Meeting 1 | 27/04/2018 |
| Team Meeting 2 | 3/05/2018 |
| Iteration End | 7/05/2018 |

# 2. High-level objectives

1. Mitigate risk of not having a local test environment
2. Test and document the architecture’s capability of supporting the “Add an Error” Use Case.

# 3. Evaluation criteria

1. Have each team member having a local test environment on their development computer.
2. Add an Error Use Case documented through successful UAT.

# 4. Work Item assignments

The following Work Items will be addressed in this iteration:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Work Item ID** | **Name or key words of description** | **Outcome** | **State** | **Assigned to (name)** | **Estimated Hours** | **Hours worked** | **Estimate of hours remaining** |
| 3.1 | Develop instructions to set up local test environments | A set of instructions has been developed that will allow each team member to have a working local test environment to test various aspects of the application. | [Complete](https://bitbucket.org/itc303teampharmacon/pharmacy_app/commits/7d15a78e874a3cd705efa31510669236112e332b) | Lenny | 10-12 | 20 | 0 |
| 3.2b | Create User Interface for Add an Error use case | The remote server has a user interface that will allow the user to complete the Add an Error use case. | [Complete](https://bitbucket.org/itc303teampharmacon/pharmacy_app/src/dev/code/client/src/components/Error.vue) | Ryan | 12 | 11 | 0 |
| 3.3 | Update NodeJS server to be in line with conventions | The server code split up into two sections. One for the serving of static webpages and API, the second for developing the UI | Incomplete | Lenny | 15 | 15 | 10 |
| 3.4 | Complete UAT for “Add an Error” use case. | User Acceptance Tests have been written for the "Add an Error" use case. | [Complete](https://bitbucket.org/itc303teampharmacon/pharmacy_app/src/master/documents/UAT%20Test%20Scripts/) | All | 5 | 5 | 0 |
| 4.1 | Create Unit Tests for "Add an Error" use case. | Unit tests created for the "Add an Error" use case | Incomplete | All | 10 | 2 | 8 |
| 4.2 | Finalise Data Model | To have the data model in a state that is ready to use, with regards to the change made to the scope of editing the error submission form. | [Complete](https://bitbucket.org/itc303teampharmacon/pharmacy_app/src/master/documents/PET%20Database%20Tables.pdf) | Beau & Jette | 3 | 6 | 0 |
| 4.3 | Create Integration Tests for "Add an Error" use case. | Integration tests created for the "Add an Error" use case | Incomplete | All | 14 | 0 | 14 |
| 4.4 | Update Documentation | Update the existing documentation within One Drive and Bitbucket | Complete | Beau | 3 | 5 | 0 |
| 5.1 | Create User Interface for Login Screen | The remote server has a user interface for the user to login. | [Complete](https://bitbucket.org/itc303teampharmacon/pharmacy_app/commits/70d5d96dab93782826339dfe579d97512a2c958a?at=dev) | Jette | 12 | 10 | 0 |
| 5.2 | Create Unit Tests for Login Screen. | Unit tests created for the Login Screen | Incomplete | Jette | 10 | 8 | 2 |
| 5.3 | Create Integration Tests for Login Screen. | Integration tests created for the Login Screen. | Incomplete | Jette | 10 | 0 | 10 |

# 5. Issues

[List any issues to be solved during the iteration. Update status when new issues are reported during the daily meetings]

|  |  |  |
| --- | --- | --- |
| **Issue** | **Status** | **Notes** |
| Data Model Incorrect | Resolved | The data model was incorrect and was missing some foreign keys required to make the database work effectively. A discussion was held and a revised data model was created. |
| Metabase Incompatibility with MySQL | Resolved | An issue was discovered when installing the development environment locally that Metabase is unable to communicate with MySQL past version 5.7. The documentation was updated to reflect this and team members advised to change their current working MySQL versions. |

# 6. Assessment

[Use this section for capturing and communicating results and actions from assessments, which are typically done at the end of each iteration. If you don’t do this, the team may not be able to improve the way they develop software.]

|  |  |
| --- | --- |
| Assessment target | Have the initial Add an Error Use Case Interface, Unit, Integration and User Acceptance Testing implemented |
| Assessment date | 07/05/2018 |
| Participants | Beau Johnson, Leonard Meerwood, Jette McKellar, Ryan Smith |
| Project status |  |

## Assessment against objectives

For this iteration we planned to have the following tasks completed in order to meet our assessment target of having the initial use case "Add an Error" implemented and working:

* + Add An Error User Interface complete
  + Login Screen User Interface complete
  + Unit Testing complete
  + Integration Testing complete
  + User Acceptance Tests documented
  + Update Documentation
  + Finalise Data Model

Out of the listed items above, the user interfaces, UAT documentation, finalisation of the data model, and updating the documentation have all been completed for this iteration and are available for review in our bitbucket repository located [here](https://bitbucket.org/itc303teampharmacon/pharmacy_app/src/master/). Unit testing has been started and the remaining Integration testing will be moved to the following iteration. All items have been reviewed before being allowed to be merged into the Master branch.

## Work Items: Planned compared to actually completed

Due to the previous iteration not being completed we had to carry a couple of work items across to this iteration which were work items 3.1 & 4.2. This has meant that this iteration more work has been done than would have otherwise been required for this iteration. Further to this we front loaded a lot of work for this iteration in an attempt to get ahead. Whilst we did make good progress for this iteration and have caught up to where we are supposed to be, we did not manage to complete all of the tasks we had listed in the iteration plan. However, these tasks were the ones we brought forward from the next iteration in an attempt to get ahead and by not completing them we are not behind on the project deadline.

Task 3.1 - Task completed satisfactorily, issue relating to an incompatibility between MySQL and Metabase was discovered, however as shown under the issues section this was rectified.

Task 3.2b - Task completed satisfactorily, files have been pushed to bitbucket.

Task 3.3 - Task had to be added because the current state of the server was not up to standards. This needed to be addressed before any serious work was started on the server. While the frontend (Vue) has been set up correctly the backend (Express) still need to be finished.

Task 3.4 - Task completed satisfactorily, files have been pushed to bitbucket.

Task 4.1 - Task has not been started at this stage. This task is a future task and was a nice to have for this iteration.

Task 4.2 - Task completed satisfactorily, data model has been updated and SQL file has been created and added to bitbucket.

Task 4.3 - Task has not been started at this stage. This task is a future task and was a nice to have for this iteration

Task 4.4 - Task completed satisfactorily.

Task 5.1 - Task completed satisfactorily, files have been pushed to bitbucket.

Task 5.2 - Task has been started and after some difficulty in establishing unit testing, one [unit test](https://bitbucket.org/itc303teampharmacon/pharmacy_app/commits/77b19e236bcbb4ad214f4b8257b71f5acc94c247#chg-test%20docs/Login.spec.js) is working. This task however is a future task and was a nice to have for this iteration.

Task 5.3 - Task has not been started at this stage. This task is a future task and was a nice to have for this iteration

## Assessment against Evaluation Criteria Test results

## Other concerns and deviations

There are some concerns around the allowing the user to update the field names on the form, this has led to the discussion on how this will be implemented (using a config file, database table, or in the code) and a decision has not yet been made. Due to this the team still needs to come to an agreement on how this will be implemented moving forward so that it can be addressed in future iterations.