
Pathways: Bi-Weekly Report 2

George Pîrlea, Shivam Shah

February 12, 2016 – February 26, 2016

1 Overview

In the last two weeks, we have set-up the tools to help us with Agile (Trello boards; re-wrote requirements as user stories and assigned difficulties to each) and have started working on a few easy tasks to get familiar with the existing codebase before we start working on the more difficult tasks in later sprints.

It is taking us longer than expected to understand the existing code, as we have very little experience with Ruby and Ruby on Rails and the current code is very poorly documented.

2 Meetings

Feb 16: Discussed security feedback received from Alan Fish

Attendees: George Pîrlea, Shivam Shah

- Forgot password goes to registered e-mail; health professionals act as admin only in extreme circumstances
- Sensitive data should not be stored on device and instead reside on servers which are N3 compliant (for production, not dev)
- May want to think about banking apps and their protocols for being on a registered device, requesting a PIN and letters from a memorable word

Feb 19: Quick chat with Sarah

Attendees: George Pîrlea, Sarah Payne

- Updated Sarah on our work: not much done during Reading Week; trying to understand code
- Macmillan meeting on Feb 23rd
- Will have to reschedule meeting on Feb 25th; mix-up with Sarah's work

Feb 19: Discuss Sarah chat with Shivam

Attendees: George Pîrlea, Shivam Shah

- Informed Shivam of meeting on Feb 25th being cancelled
- Set-up team meeting for Feb 23rd

Feb 23: Discuss lab times, agree to meet at both labs

Attendees: George Pîrlea, Shivam Shah

- Realised we have our app labs scheduled at different times
- Agreed to meet on both days (Wednesday and Thursday) from 11 am to 1 pm from now on
- **Further action:** rewrite requirements as user stories, set-up Agile tooling, pick tasks for first sprint

Feb 24: Set-up tooling and support for Agile

Attendees: George Pîrlea, Shivam Shah

- Set-up Agile dashboard on Trello
- Rewrote requirements as user stories, added to dashboard and estimated difficulty for each
- Picked tasks for first sprint
- Overviewed database structure and high-level app architecture (MVC)
- **Further action:** bring completed and printed IP assignment tomorrow, start working on tasks

Feb 25: Further explore the code to understand how to tackle tasks

Attendees: George Pîrlea, Shivam Shah

- Completed IP assignment form and handed it in
- Tried to understand how the authentication code works, so we can make the change of users logging in with their NHS numbers rather than their e-mail
- **Further action:** start implementing tasks selected for this sprint

3 Completed tasks

1. Rewrote requirements as user stories
2. Estimated difficulties for each requirement
3. Set up Trello for project management
4. Chose tasks for first sprint
5. Overviewed the database structure
6. Signed IP assignment and handed it in
7. Found out date of the demo/final presentation: April 27th

We were originally planning on starting work during Reading Week, but we have started actual work on Monday, February 22nd. Currently, we are having trouble understanding the existing code so we can extend it. We are slightly behind where we anticipated we would be, but confident we can make up.

4 Plan for the next two weeks

Over the next two weeks, we will be working on completing the tasks we have chosen for the first sprint (spanning the two weeks which will be covered by Biweekly Report 3). We will meet during our scheduled app labs (it remains to be seen whether the schedule is going to change) and also work on tasks independently.

There are going to be two main meetings over the next two weeks: a meeting with Stephen Whelan (works on Code4Health PEACH; Dean Mohamedally introduced us to him) on Monday, February 29th to discuss Pathways, and a Skype call with Sarah on Friday, March 4th to discuss project status and recent developments.

Since the meeting we were supposed to have on the 25th of February with the clinical team was cancelled, we have not yet researched formal software evaluation methodologies. When it is rescheduled, we have to keep in mind to do the research before the meeting.

5 Individual reflection

George: Over the last two weeks, I have mostly been trying to understand the existing code-base. Comments in the code are close to non-existent and there is no documentation of another kind, so we are progressing more slowly than expected. When meeting Shivam, we went together through the database structure, so we understood how data within the app is represented. Other than that, I have handled most communication with the client and other parties.

Shivam: Over the past two weeks, I have been trying to get more familiarised with the code used for the already existing application. The main issue has been that there is a lack of substantial documentation. Moreover, we also began planning how to approach the requirements in the Agile methodology, and planned our next sprint.