Pathways: Bi-Weekly Report 1

George Pîrlea, Shivam Shah

January 21, 2016 – February 12, 2016

1 Overview

In the last two weeks, we have completed the code and asset handover from previous year's team, set up our development environment, went through an initial testing phase, and uploaded the current version of the application on Microsoft Azure (making it easier for the client and shareholders to offer feedback). Additionally, we have gone through the requirements process together with our client and came up with a finalised set of requirements.

While testing the app, we discovered a few outstanding issues: bugs and unmet requirements. We have taken note of these and will be addressing them in the development phase. We also had some difficulties with installing the app on Azure, but we did manage to sort these out with the help of Alan Fish and David Jobling from NHS England.

2 Meetings

Jan 21: Prep for first client contact

Attendees: George Pîrlea, Shivam Shah

- · Addressed scheduling issue for first contact
- · Drafted interview structure
- · Reviewed code and documentation from last year

Jan 22: First contact with client

Attendees: George Pîrlea, Sarah Payne, Alan Fish, Peter Coates

- Pathways: support oncology patients (which have complex needs) with information personal to them; generic bank of information cards, maps, contacts, videos, personalised treatment pathway
- Aim: take apps to production, hand over to software development house
- Clinical on Wednesday mornings: Sarah will arrange us meeting clinicians sometime in the next few weeks

- Solution must be generic, so it can also be used by other NHS trusts
- Opportunity for Macmillan funding: might transition project to commercial software house
- Further action: set up and test system (against previous year's requirements), think about improvements

Jan 23: Review first client contact and next steps

Attendees: George Pîrlea, Shivam Shah

- Summarised client discussion for Shivam
- Selected time slot for first requirements meeting with Aisling
- **Further action**: set up dev environment, write documentation on building/testing/deploying (currently missing)

Jan 26: Set-up GitHub accounts and dev environment

Attendees: George Pîrlea, Shivam Shah

- Set up GitHub account and permissions for Shivam
- Demonstrated how to set up dev environment
- Further action: e-mail draft requirements to Sarah, set up system on Azure

Jan 28: Put Pathways on Microsoft Azure

Attendees: George Pîrlea, Shivam Shah

- Received Azure access from Alan Fish and David Jobling. Managed to set up Pathways on Azure.
- Sent e-mail to shareholders informing them of this and asking them to go through app to look for bugs and suggest improvements.

Feb 1: Test app and upload content

Attendees: George Pîrlea, Sarah Payne

- Sarah will take a look at the app until Friday and come up with some requirements.
- Further action: Do some further testing, e-mail Alan & Peter and ask them to take a look at the app too, ask Alex/Henry for content from previous year demo, learn as much Ruby as we can until Friday

Feb 5: Client app impressions

Attendees: George Pîrlea, Shivam Shah, Sarah Payne, Alan Fish

- Sarah uncertain about functionality: seems there is less functionality than last year, less interactivity
- Oncology content missing: hard to demo app with randomly generated, rather than proper content
- NB Macmillan discussion: 23th February
- Further action: Confirm functionality with Henry, add oncology content

Feb 8: Discussed meeting Sarah and Aisling; Henry confirmed functionality

Attendees: George Pîrlea, Shivam Shah

- Henry confirmed functionality is the same and sent us oncology content from previous year demo; we added the content to the app and to the database seed file (so it is added automatically when a new dev environment is started)
- Selected time slot for second requirements meeting with Aisling and place for meeting with Sarah

Feb 11: Walk through app with Sarah and flesh out requirements

Attendees: George Pîrlea, Shivam Shah, Sarah Payne

- Walked through app together with Sarah and came up with requirements: see MoSCoW analysis document for details
- Interface needs to be consistent on mobile and desktop; bigger icons on mobile (take into account possibly deficient eyesight of users)
- Sarah to set up face to face meeting with clinical team, maybe 25th February in the morning, after Macmillan meeting on the 23rd
- Further action: Find out date of presentation and inform Sarah, research formal evaluation methodologies before face to face meeting, investigate login bug, Skype on 19th February

3 Completed tasks

- 1. Got code and assets from previous year team
- 2. Set up reproducible development environment
- 3. Tested app against previous year requirements and discovered issues
- 4. Produced draft requirements document
- 5. Wrote documentation on how to set up development environment
- 6. Uploaded the app on Microsoft Azure
- 7. Loaded oncology content in app
- 8. Confirmed functionality is same as last year
- 9. Produced requirements document

The project is currently running on time. We have completed every task that has arisen so far and we don't foresee encountering any unusual difficulties in the tasks we need to solve next.

4 Plan for the next two weeks

We plan to begin development during Reading Week, using an Agile methodology. We are going to be a little less ambitious for the first sprint (2 weeks), as we try to slowly gain experience with Ruby and the Pathways codebase before attempting more difficult tasks.

There are going to be two main meetings over the next two weeks: a Skype call with Sarah on Friday, February 19th, where we will review this biweekly report and the progress we will have made by then, and also a face to face meeting with Sarah and the clinical team on Thursday, February 25th, where we will review the results of the discussion with Macmillan (on the 23rd) and demo the app to the clinicians.

Before the Skype call on the 19th, we should find out when the presentation/demo to UCL will take place, as Sarah has to reserve time in her schedule to attend.

Before the meeting on the 25th, we need to research any formal software evaluation methodologies. Since we have very limited access to clinician feedback, we want to use established methodologies in order to gather as much useful information as possible in the time we have.

5 Individual reflection

George: Over the last two weeks, I've handled most communication with the client and other shareholders. Having no technical documentation on how to get the app up and running, my main task was to figure out how to do that, write the Vagrant configuration file so that we could roll development environments at will, and also set up Pathways on Microsoft

Azure (which I did with the help of Alan Fish and David Jobling from NHS England). Other than that, I've also done some testing of the app after we managed to set it up and I started learning Ruby.

Shivam: Over the past two weeks, the main achievement for me was setting up a development environment with Vagrant to be able to run Pathways. By doing this I was able to start using the web app and exploring its functionality. My teammate and I thought it would be best for me to start learning the programming language used for Pathways — Ruby with the Ruby on Rails framework. I also took a look at SQL because I was aware we will probably be working with databases to store information.

In addition, I have also participated in a few Skype conference calls with our client, and my teammate to maintain good communication and stay organised. Recently, my teammate and I met our client in person and we worked together in creating a specific set of requirements using the MoSCoW format. We also used this time to draw mock ups and plan some new features we were planning to add into Pathways.