Pathways: Bi-Weekly Report 3

George Pîrlea, Shivam Shah

February 26, 2016 – March 11, 2016

1 Overview

Over the past two weeks, we have been working on implementing the requirements we have chosen for the first sprint: signing in with NHS numbers, patients being able to see contact details of their clinicians, locking document editing and deletion, and confirmation messages for actions. As of Friday, March 11, we have completed the first three requirements and will be working on the last one during the weekend.

We also gave three demos of the product: to Stephen Whelan and Efthymia Kazakou (Masters students at UCL working on PEACH), to Yun Fu (our project supervisor from UCL), and to Sarah Payne (our client) and Saira Chowdhury, Nick Maisey and Alex Robson from NHS England.

We've made very good progress over the last two weeks and the project is definitely within schedule. Previously, we were distraught with the fact that Ruby on Rails and the Pathways code were difficult to understand, but putting in the time to explore the codebase has paid off, and we can work much more productively now.

2 Meetings

Feb 26: Quick chat with Dean Mohamedally

Attendees: George Pîrlea, Dean Mohamedally

- Review of Macmillan meeting: tentative funding, prospects seem promising

- Dean put us in contact with Stephen Whelan, a Masters student working on PEACH

Mar 2: Lab meeting

Attendees: George Pîrlea, Shivam Shah

- Discussed app structure and thought about how to implement features

- Implemented login with NHS number rather than e-mail: had to understand how the login system works and how it interacts with the database and various views

Mar 2: Demo to Stephen Whelan and Efthymia Kazakou

Attendees: George Pîrlea, Shivam Shah, Stephen Whelan, Efthymia Kazakou

- Discussed PEACH: collecting health data to provide better health services

- Demoed the application: aim, basic functionality

- Stephen and Efthymia will contact us for further questions, if needed

Mar 4: Skype call with Sarah

Attendees: George Pîrlea, Sarah Payne

- Gave Sarah a progress update: chose tasks for first sprint, gave demo to students working on PEACH, some tasks already implemented

- Meeting with the clinical team: Thursday, March 10th at 10 am, at St Thomas Hospital

- Macmillan meeting: really positive response, but no money yet; Sarah has to submit funding application form, but hasn't received it yet

- **Further action**: send Trello link to Sarah, research user testing methodologies before meeting the clinical team

Mar 8: Coordinating before demo to Yun Fu and clinical team

Attendees: George Pîrlea, Shivam Shah

- Shivam progress report: good, managed to do simple alerts, have to convert them to modals

- George progress report: making progress on clinician contact list, will finish implementing tonight

- Meet in lab at 11 am on Wednesday, March 9th, for demo to Yun Fu

- Discussed Shivam's software testing experience in preparation for demo to clinicians on Thursday

- **Further action**: finish tasks tonight, research how to get good feedback from clinicians before Thursday

Mar 10: Demo to clinical team

Attendees: George Pîrlea, Shivam Shah, Sarah Payne, Saira Chowdhury, Alex Robson, Nick Maisey

- Clinic times tight; important for patients to be able to review their treatment journey

- Begin thinking about handover process: saves a lot of headache if we get it right

- Final video: think from the perspective of someone bringing forward a business argument; speak to Dean to see if a promotional video (problem, current solutions, give demo) fits the UCL criteria; if not, try to make two videos

- My Patient Journey: Dutch company, existing solution

- Demoed app: main priority is implementing timeline for patients; document version control is a stretch goal

- **Monday, April 4th**: 2 pm clinic + user testing/letting clinicians go through app and getting their feedback

3 Completed tasks

1. Implemented sign in with NHS number rather than e-mail

2. Implemented patients view to see their clinicians' contact details

3. Implemented feature for doctors to be able to edit/add/delete documents (similarly to superusers)

4. Implemented locking documents: prevents doctors from editing/deleting certain documents

5. Implemented confirmation dialogs/modals for various actions

6. Researched user testing methodologies: observing them work with the app without help seems to be best

7. Demoed app to Masters students, Yun Fu and clinical team

We've made very good progress over the last two weeks and the project is definitely within schedule. Previously, we were distraught with the fact that Ruby on Rails and the Pathways code were difficult to understand, but putting in the time to explore the codebase has paid off, and we can work much more productively now.

4 Plan for the next two weeks

We hope to finish the work still left in the current sprint over the weekend. Over the next two weeks, we will be working on some new tasks (haven't decided yet, but most likely to be the patient timeline and replacing the editing functionality to support embedding pictures and videos). Except for a Skype call with Sarah on Friday, March 18th, we have no planned meetings until Monday, April 4th.

5 Individual reflection

George: I've accomplished more than I expected during the last two weeks. After overcoming Rails' steep learning curve and beginning to understand how the codebase is structured, I found it quite easy to change things. I've managed to implement signing in with NHS numbers, contact details pages for clinicians, as well as the locking documents feature (preventing documents from being edited or deleted). Together with Shivam, I've also demoed the app on multiple occasions.

Shivam: For the past two weeks I have begun working on specific requirements. This has included correcting a view of the Doctor/Super user home page thus allowing doctors to a button that allow them to create/edit/delete documents similarly to super users. I have also fixed a few issues independent of my requirement as well such as adding confirmation dialogs to important buttons in the Pathways web app. Moreover, as I have been working intensely in a few new programming languages I have done a lot of research in them such as learning how to create custom modals in HTML SLIM files and importing these in Ruby on Rails. However, my progress has been slow in tackling a requirement because of problems in understanding the legacy code and certain bugs that cannot be bypassed as of yet. Lastly, my team member and I attended a meeting in St Thomas Hospital recently to demo our app to the clients and take verbal feedback.