

Automating PLORAS - 16/10/2015 Bi-Weekly Report 1

Team 32

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Contents

1	Overview of last two weeks	1
2	Summary of meetings	1
2.1	Meeting 1	1
2.2	Meeting 2	1
2.3	Meeting 3	1
2.4	Meeting 4	2
3	Tasks completed	2
4	Problems that need to be resolved	2
5	Plan for next two weeks	2
6	Individual tasks completed	3
6.1	Daniel Blackwell	3
6.2	Jedrzej Stuczynski	3
6.3	Farbas Miah	3

1 Overview of last two weeks

After we found out our teams, we met up to email our client about setting up a meeting. Before we attended the meeting all of us read up on our topic for the project on the PLORAS website which gained us an overview of what it was all about. We also set up various methods of communication such as a GitHub, WhatsApp group as well as others. Over the course of a week we had two meetings with our client. Firstly, we gained an insight on what all the team members specialised in and what they all wanted done. In the next meeting we met directly with two of the team members to find out what they wanted us to specifically do. After this, we met to discuss the way we would solve the task at hand.

2 Summary of meetings

2.1 Meeting 1

The first meeting was primarily an organising one. We have decided on the roles each of us is going to have and what we should be responsible for. Apart from that we have sent an introductory email to our client and during the course of the messages we exchanged, we have scheduled a meeting for 12th October at 1.30pm.

2.2 Meeting 2

This meeting was held with the clients present.

In this meeting the team went to the clients offices to speak about the upcoming project. There were about seven clients we spoke to who were part of the PLORAS team. Each individual spoke about their specific role in the team and spoke of what they wanted us to do in inexplicit terms. We were then allocated which specific portion of the project we would do first and organised another meeting for this on the 15th of October.

2.3 Meeting 3

This meeting was held with the clients present.

In this meeting we met up with two members of the team to directly speak about their portion of the project at the client site. In this meeting it was primarily the client speaking about in more detail about what they did and what they wanted us to do. We were then advised on the different programs and software that would be required.

2.4 Meeting 4

This meeting occurred directly after the client meeting so that we could discuss what we had just learned. After some planning of how we would approach our tasks, we set up various media platforms in anticipation such as a Slack and GitHub group as well as downloading MATLAB.

3 Tasks completed

There hasn't been much to do in the first two weeks of the project apart from preparing and setting everything up. We have met up multiple times and discussed the project among ourselves as well as with the client which means we are all fully up to date and aware of what we are required to do. All of us have specific strengths which we hope to utilise to our advantage throughout the project. Various communication methods have been set up which are Facebook, WhatsApp, GitHub and Slack that are all used for different reasons. We have all installed MATLAB from the UCL website in anticipation of beginning our first task for one of the PLORAS team members which is an automation problem. As of October the 16th, I believe the project is running on time and we shall begin the automation related work as soon as we receive the email containing key resources.

4 Problems that need to be resolved

We are at an early stage of development for the project and therefore we haven't found any problems worth commenting about so far.

5 Plan for next two weeks

Over the next two weeks we plan to confirm which language and tools we want to use to carry out our task. We would then like to build up a plan of the way we want to automate the MATLAB and SPM portion of PLORAS. This would mean that when a hospital sends in a scan, it would be very simple to automate the DICOM import process which would take a series of slices of the brain across three dimensions and produce a three dimensional representation spanning just two files. There are various stages to this process that would need to be automated for this task's end product.

6 Individual tasks completed

6.1 Daniel Blackwell

I organized the meeting first with our client, on Monday 12th October, which we used to establish some requirements of our project. The meeting was very helpful, our supervisor Cathy Price invited all members that were working on the project, including 2 people that work on generating recovery predictions based on scan results, 1 expert on the process of normalizing scans and mapping abnormalities, and 2 people who manage the database system storing information on patients recovery following strokes. We established that it would be useful to arrange a time to go through the process of normalizing the images with Suz who has most experience in the process. I arranged for us to meet on Thursday 15th October, in which we went through the process and found out about what programs we would need to be interfacing with, mainly MATLAB in which none of us have much prior experience.

6.2 Jedrzej Stuczynski

The first two weeks of the project didn't require much work from any of us, it only consisted of organising our work as well as starting our requirement gathering and research. As of me, I have created a Slack page for our team where we can easily exchange messages, files, etc. It is going to be useful as we continue working on the project, since we may be able to easily go through archive of any conversation we had or files we shared. Moreover I have created a GitHub repository for obvious reason and connected it with the Slack page.

6.3 Farbas Miah

During the first two weeks there were not many tasks that were required to be done by each of us individually. For example, we all met up to set up the various outlets of communication we would use such as WhatsApp and Slack among others. However, we have allocated a few of the roles to each other so far which included myself being the person in charge for the writing aspects, such as the bi weekly report. All team members attended all meetings and there have been no issues so far.