

Kelsey Hilton			
Date	Category	Hours	Description
Week of March 19th - March 25th			
3/19/2012	Scheduling	2	Found WEBPLANNER, an online software management tool that lets teams creat projects, assign tasks and build a schedule. I set up various tasks and made a tenative schedule.
3/20/2012	Documentation	2.15	Studied AGILE method, wrote a use story
3/21/2012	Domain Research	1	Looked in Qt. Searched for medical imaging and diagnostics. There is very little information about how it works. It is going to be difficult to finish this project with the lack of information available.
3/21/2012	Scheduling	0.5	Added tasks as they became clearer. We still don't have an idea about how to reach the end goal.
3/22/2012	Domain Research	1.5	Excited about CVIP functioning, I looked up functions for various tasks. I'm weary of whether or not we will be able to make it work.
3/24/2012	Domain Research	2	Now that Austin has some CVIP functionality we tested the load image function and edge detection and histogram functions. The problems is that the functions return images, which we need, but we also need values to compare so we are looking for a solution to that issue. We tried using their GUI to see what was happening when they were using those specific functions and, similarly, the result was only an image.
3/24/2012	Scheduling	0.25	Set up a tentative schedule. I am nervous about not getting the API to work again. Although it seems more hopeful than last time, it breaks easily, and so far only works on Austin's computer. If we cannot get it going by Wednesday we may need to find an alternative project.
3/25/2012	Domain Research	0.5	Researched the value of histograms in diagnostics. Tried to find what is normal or abnormal for a brain and was unsuccessful.
	Downloading API and associated software	6	Downloading the actual tools wasn't too time consuming. Once visual studio 2010 was installed it wouldn't build the CVIP files because of a "can't find .lib" error which I googled. Turns out, that error has something to do with backward compatibility of the visual studios so I downloaded an earlier version of CVIP to no avail. Then I spent time "repairing" visual studio. In the meantime I was trying to figure out how to download Qt. I got excited when I found out that it can be integrated with visual studio, since that seems to be the only debugger CVIP is compatible with. So I tried to download Qt and use it, but it didn't work. I'm out in left field right now because nothing works so I can't help Austin write header files or play around with CVIP somemore to discover its functionality.
3/25/2012	Documentation	1	Worked on Project statement and noun extraction.
Total Time Spent		16.9	
Date	Category	Hours	Description
Week of March 26thth - April 1st			
3/27/2012	Research	1.5	Looked at the CVIP book with Austin and started finding functions that may or may not be helpful.
	Installing	0.5	Austin showed me the trick as to how to open CVIPtools.

3/28/2012	Coding	1	Practiced opening images using the input function and played with the histogram feature function. I was mad because I couldn't get it to work.
3/30/2012	Coding	1.5	I spent a lot of time working on implementing the histogram feature function. With numbers we might be able to do some comparison stuff.
	Downloading and installing Qt	2	I had to install all different versions and add-ins of Qt to make it compatible with Visual Studio. I wish there were an easy tutorial or one file, but it's never that easy :)
	Documentation	1.5	Started a formal specification document. It was challenging because I have always used the waterfall method of design and now that we are trying AGILE and it's all iterative I am having a harder time structuring a document. I feel like we don't need one. I also realized we are going to need some sort of help manual. Thanks to Qt and the time I wasted with them.
4/1/2012	Documentation	1	Weekly Log, Organizing Google Docs
	Research	2	Qt, gtests, Putty. I'm super overwhelmed. I need images to play with some of my ideas.
Total Time Spent		11	
<b>Date</b>	<b>Category</b>	<b>Hours</b>	<b>Description</b>
<b>Week of April 2nd - April 8th</b>			
4/3/2012	Coding	2	Spent time finishing the histogram features function implementation
	Documentation	1	Realized that we aren't moving fast enough!
4/4/2012	Coding/Research	4	Spent some time trying to add Qt to our project then I decided it might be easier to integrate later so I sent Austin off to code CVIP and I'm dedicating my soul to Qt.
4/6/2012	Research	2	Learned more about image processing and re-evaluated class structures
	Coding	3	I found out that C doesn't support classes which is a bummer because that means we have to do a lot of wrapping so that we can have c++ code that is compatible with the Qt code.
4/7/2012	Research/Coding	3	I continued looking at Qt examples and finding basic functions and widgets that might be helpful to developing our GUI. That inspired me to return to our design because I now have a better idea of what is possible.
	Design	2	Did a lot of drawing and figuring out relationships and actions.
	Documentation	2	Wrote out some more use cases, added non-functional requirements, revised the scope of the project.
4/8/2012	Coding/Research	8	I spent a lot of time trying to figure out how to use Qt. I have somewhat of a prototype but it's very incomplete and has a long way to go. I have to learn more about their API. The good news is that it has a lot of functionality. The bad news is that it has a lot of functionality which means there are a lot of functions to sort through. Still not a whole lot to show.
Total Time Spent		27	
<b>Date</b>	<b>Category</b>	<b>Hours</b>	<b>Description</b>
<b>Week of April 9th - April 14th</b>			

4/9/2012	Design	2	We spent time as a group trying to figure out what information the image processor needs in order to process any given photo. We obviously don't want to make it process a group of images every time just to get as baseline to compare with the patient's image. It needs to have some pre-processing capabilities. Communication was difficult. We all have ideas that don't match up.
	Coding	2	Working more on Qt. I figured out how to put multiple projects in one solution in Visual Studio but I don't know how to create dependencies.
4/10/2012	Coding	1	Worked on namespace configuration. Didn't get anywhere. This is a MAJOR setback.
4/11/2012	Coding	2	Played with project integration. Didn't get anywhere.
4/12/2012	Coding	3	Qt has so many capabilities it's overwhelming.
4/14/2012	Coding/Research	4	Still trying to figure out how to use Qt. Right now I can only open forms from the main window. I would like to be able to open forms from other forms. I think I have a lead on how to call the image processor. It's still not clear how we are going to integrate the database.
4/14/2012	Documentation	2	Had to update the schedule because we are behind. As we go we are continuing to change the design, so the project plan is changing as well.
Total Time Spent		16	
<b>Date</b>	<b>Category</b>	<b>Hours</b>	<b>Description</b>
<b>Week of April 15th - April 22nd</b>			
4/15/2012	Coding	3	Worked on the GUI part of the API
4/17/2012	Research	1	We are almost out of the VS trial, that's going to be an issue. Looked for ways around that. Couldn't find a productive solution.
4/22/2012	Documentation	4	Worked on project plan and finishing API design. Naming conventions and glossary are becoming more obvious. Started a user's guide. Interesting to say the least.
Total Time Spent		8	
<b>Date</b>	<b>Category</b>	<b>Hours</b>	<b>Description</b>
<b>Week of April 23rd - April 29th</b>			
4/23/2012	Documentation	2	Worked on clarifying scenarios and use cases. Updated naming conventions as they became clearer.
	Coding	3	Spent time Qt. Found a QMap function that looks useful
4/24/2012	Research/ Coding	4	Still looking for helpful Qt functions. Because of the structure we don't have header files, the organization of our API is non-existent and needs some serious help.
4/25/2012	Coding	3	I'm spending a lot of time on Qt and getting discouraged.
4/27/2012	Coding	4	Spent some time looking into Qt processes and including Qt libraries and header files. I did find out how to link the libraries in Visual Studio. That's a step in the right direction.
	Documentation	1	Spent time on a status report.
4/28/2012	Documentation	3	Updated existing requirements document and began working on a tutorial. It's difficult since we don't have an underlying API working.

4/29/2012	Research/ Coding	5	Spent hours working on integrating Qt. It looks hopeful. I now have a form working with the CVIP . exe I just have to connect the functions, which I think is possible
Total Time Spent		25	