Sprint Reflection on Iteration1

Context Project: Health Informatics
Group: HI4

User Story	Task	Task Assigned To	Estimated Effort per Task	Actual Effort per Task	Done (yes / no)	Notes
The user wants to read in the data from text files and specify how the data set looks like using XML	- Parse .txt files into suitable data structures	Hans + Sven	10 hours	10 hours	Yes	
	- Divide data for the whole group into data sets per person	Hans + Sven	5 hours	5 hours	Yes	
	- Handle different delimiters	Hans + Sven	2 hours	2 hours	Yes	
	- Use XML to describe your data set (optional, otherwise next sprint)	Hans + Sven + Elvan	8 hours	-	No (optional)	We are not going to use XML anymore
The user wants to select in a menu bar which files the program should read.	- Create a basic GUI for the user in JavaFX	Remi	8 hours	8 hours	Yes	Extra work done: statusbalk, analysis screen
	- Create a menu for selecting documents	Remi + Matthijs	12 hours	12 hours	Yes	

The user wants to know how we envision the product and wants a document that describes how we see the product	- Part 1: The target customers (1 ½ page) - Part 2: Customer needs (1 page) - Part 3: Product attributes needed (1 page) - Part 4: Comparison existing products (½ page) - Part 5: Target timeframe/ budget (½ page) - Add references according to APA - Check if everyone agrees with the envision document (+ improvements)	Elvan Elvan Matthijs Matthijs Matthijs Everyone Everyone	1 hour 3 hours 3 hours 1 hour 1 hour 1 hour 2 hours	2 hours 3 hours 3 hours 2 hours 1 hour 1 hour 2 hours	Yes Yes Yes Yes Yes Yes Yes	More reading work than expected
The user wants to export textual data of a specific person	- Convert data to a text format - Construct the output file with the delimiter chosen by the user - Add a drop down menu to the GUI to select a delimiter - Provide a dialog window to save a file	Elvan Elvan Elvan Elvan + Remi	4 hours 2 hours 1 hour 2 hours	4 hours - 1 hour 2 hours	Yes No Yes Yes	Initial version works only with tabs (other delimiters are to be added)
The user wants to have a language in which he/she could	- Think about what operations should be done on the data	Everyone	5 hours	3 hours	Yes	Partly done (shift to next sprint)

specify which operations should be done on the data	(also make a short overview of it) - Design a language that can process all those operations (optional, otherwise next sprint)	Matthijs + Hans + Sven	15 hours	-	No (optional)	Shift to next sprint

Main Problems Encountered

Problem 1

Description: Underestimated ‘brainstorm’ time

Reaction: Our brainstorm sessions with the whole group to decide how the program is going to be structured, how the GUI is going to look like and which data transformations are going to be implemented took more time than expected. We actually didn’t plan time for these sessions and that caused us to spend a lot more time on this sprint than expected. This is mostly because the project has just started: we still have to discuss a lot of basic features of the project. From now on we will leave more room in the planning for brainstorming (see adjustment 1).

Problem 2

Description: Modified deadline of Emergent Architecture

Reaction: The deadline of Emergent Architecture first was planned for next week and then got moved to this week. This caused us last-minute stress and didn’t leave us time to work on the optional tasks of the sprint plan (design a processing language). For the next sprints we want to avoid this by leaving more room in the planning for extra tasks (see adjustment 1).

Adjustments for the next Sprint Plan

(Motivate any adjustments that will be made for the next Sprint Plan.)

- Make the planning more adaptive: keep some room for extra tasks
  Although we added more features to the GUI than planned for this sprint, our schedule got really right when the deadline of Emergent Architecture got moved to this week. This means that we need to make our planning more adaptive to the (time) capacity of the team and possible last-minute changes that could happen. We are going to do this by leaving some room in the sprint plan for flexibility.
- Testing with Wenxin Wang
  To get a better understanding of our progress and the direction we are taking with our product, we are going to make an appointment with Wenxin Wang to show our program in the coming week. We will also show her a few example ideas for the GUI to know what our customers prefer.
- Split tasks into smaller parts
  In the next sprint plans we want to split bigger tasks in smaller tasks (no single task should take more than 5 hours, otherwise split). This will give us a better overview of the work that still has to be done and it will make it easier to keep track of the actual number of hours spent on the tasks.
- Smaller branches
  This improvement is actually part of the previous point that we suggested. Smaller tasks should also lead to smaller branches and a better maintainability of the code. This week we introduced a large branch for the GUI that only got merged into the master at the last day of the sprint. It took us all way too much time to review this branch fully. This could be avoided by using smaller branches.