Sprint Reflection 6

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 have access to data from previous layers	- Create a new controller that contains all the other controllers - Make sure that access is only granted to controllers that occurred previously in the pipeline	Matthijs Matthijs	4 hours 2 hours	4 Hours 2 Hours	Yes Yes	Maybe this is going to be refactored to make it more stable.
The user wants to identify dependencies between particular events (e.g. A -> B or B -> A)	- Extend the language construct for comparison on events - Extend the implementation of the comparison operation with lag sequential analysis (LSA)	Hans Hans	2 Hours 5 Hours	2 Hours 5 Hours	Yes Yes	

The user wants the program to automatically generate behavior of web site response to create a new input stream for analysis	- Extend language construct for converting	Elvan	2 Hours	2 Hours	Yes	Generating the feedback took more time than planned because of incomplete data
	- Implement (script) code for conversions on the data	Elvan	5 Hours	7 Hours	Yes	
	- Compare the generated feedback with feedback of the system and patients behavior and store the results in the right data structure	Elvan	3 Hours	3 Hours	Yes	
The user wants to use the output from an operation as input for another operation (variables)	- Add an option to store a sequential data object as a variable	Hans	3 Hours	3 Hours	Yes	
	- Add an option to run the sequential data again	Hans	3 Hours	3 Hours	Yes	
The user wants to be able to view and save graphs of the analyzed data	- Implement the graphing library d3.js in the GUI in a way it's easy to create new graphs	Remi	5 Hours	7 Hours	Yes	The basics are implemented so new kinds of graphs can be easily added
The user wants to be able to specify and store the data that needs to be visualized	- Add an option to select particular columns for plotting	Sven	3 Hours	3 Hours	Yes	
	- Add the option to store the data in specified	Remi	5 Hours	-	No	

to explore a particular part of the data visually	format (store to image and pdf)				We prioritized other tasks above this one
The user wants to have a timeline that visualises all the events happened during a period of time to explore the data visually	- Let the user specify a particular period of time - Create a timeline that shows all the events that happened during that period of time	Remi Remi	2 Hours 5 Hours	- -	No No	Because of time shortage we decided to move this task to the next sprint
The user wants to visualize the analysed data with frequency bars to explore the frequency of specific events in the data.	- Create an option to show frequency bars of data - Let the user specify the event that needs to be visualized - Implement frequency bars	Elvan Elvan Elvan	2 Hours 2 Hours 5 Hours	- - -	No No No	Because of time shortage we decided to move this task to the next sprint
The user wants to visualize the frequency of time between measurements with boxplots to explore the dataset visually	- Create an option to show boxplots of data (optional, otherwise next sprint) - Implement stem and leaves plots (optional, otherwise next sprint)	Sven Sven	2 Hours 5 Hours	2 Hours 5 Hours	Yes Yes	

The user wants the data to appear in every sequential data file if no primary key is selected	- Add an option to deselect the primary key - Adjust the sequential data file in such a way so that it can be constructed without a primary key	Matthijs Matthijs	2 Hours 4 Hours	4 Hours 4 Hours	Yes Yes	
The user wants to be able to add comments to records with unexpected results to indicate them	- Add comment option in the GUI with every record that is shown	Matthijs	2 Hours (moved from previous sprint)	-	No	We prioritized other tasks above this one
Bugfix: The user wants to use the filename as the primary key.	- Implement an alternative to primary key selection	Matthijs	3 Hours	3 Hours	Yes	
The client wants an up to date emergent architecture document	- Update the architecture document	Sven	2 Hours	2 Hours	Yes	
The user wants example codes for some of the questions.	- Write the questions given by Wenxin to example codes	Hans & Sven	5 Hours pp	3 Hours	Yes	This is partially added to the user manual

Main problems encountered

Problem 1

Description: The implementation of the 8 Cs is not sufficient for answering the questions from the requirements.

Reaction: This week we had a feedback session with Willem Paul Brinkman and we encountered some problems with the way we had our program in mind and what our program is supposed to do. Up till now we thought that the implementation of the eight Cs would be sufficient for our program to meet the requirements of the end user but apparently it's more important that the tool is able to answer the example questions (that are specific for the context of renal patients). This means that we have to change our planning and focus on answering these questions. Luckily, we were already done implementing all eight Cs so this will save us some time in the coming sprint.

Adjustments for the next Sprint Plan

This week we encountered some problems with the way we had our program in mind. Therefore, the planning for the next sprint will be adjusted in the following ways:

- We will focus more on answering the example questions in the next sprint. A backlog item will be added for the implementation of scripts to answer the questions and we will divide the questions among all group members. Everyone needs to make sure that the language construct is extended to specify the questions and that they can be executed by the program. An example script should also be included in the user manual.
- Since the functionality of the program has a higher priority now, we will try to maintain the same level of code quality and test coverage but we will not spend more time on it than usual.