Product Planning

Health Informatics 3

May 4, 2015

1 Introduction

TODO

2 Product

TODO an introduction about his section

2.1 Product Backlog

TODO ... For the product backlog we use the MoSCoW method.

2.1.1 Must Haves

- Language for description the analysis
- Reading in the analysis description file
- Reading in the data description file
- Indicating the data connections between the different datafiles
- Indicating the meaning of the various data inputs
- Reading in data from different sources using the data description file
- The 8 C's for data analysis
  - Chunk analysis
  - Comments
  - Codes
  - Connections
  - Comparisons
  - Constraints
  - Conversions
  - Computations
- Specifying the output and output format

- Visualizations from the data analyzed
  - Frequency bars
  - Line graph
- Manual for the analysis description language

2.1.2 Should Haves

- Visualizations
  - Box plot
  - Stem leave
  - State transistion matrix
  - Lag analysis
- Exporting the visualizations to images
- Preimplemented codes in our analysis description language

2.1.3 Could Haves

- Visualizations
  - Histogram
  - Markov chain graph transition diagram dingen
- Editor for inputting the analysis description
- Mass input for batch processing
- Preview of the output from the analysis

2.1.4 Would Haves

- Handy GUI for specifying the analysis

2.2 Roadmap

This section will describe the planning for the product. The roadmap is based on sprints of one week. The numbers of the week correspond to the week of quarter 4. A new iterations starts on every Friday. For each week we will list which features the product should have and which additional task must be done.

2.2.1 Week 4.1

- Setup the software that is used during the project.
- Obtain the requirements.

2.2.2 Week 4.2

- A basic architecture for the product.
- A design for the user interface.
- A draft version of the product vision.

2.2.3 Week 4.3

- A minimal user interface according the design of week 4.2.
- The final version of the product vision.
- A draft version of the product planning.
- The user must be able to specify in a data description file how a file should be read by the program.
- The user must be able to specify which data must be written to file.
- The user must be able to perform constraint analyses.

2.2.4 Week 4.4

- The final version of the product planning.
- The user must be able the perform chunking analyses.
- The user must be able the perform connections analyses.
- The user must be able the perform computation analyses.

2.2.5 Week 4.5

- The user must be able the perform codes analyses.
- The user must be able the perform comparisons analyses.
- It must be possible to show the data as frequency bars.
- It must be possible to show the data as a line graph.

2.2.6 Week 4.6

- The user must be able the perform comments analyses.
- The user must be able the perform conversions analyses.
- It must be possible to show the data as a box plot.
- It must be possible to show the data as a Stem-and-Leaf plot.
- Input for SIG

2.2.7 Week 4.7

- multiple file input
- It must be possible to show the data as a state transition matrix.
- It must be possible to show the data as a Stem-and-Leaf plot.
- The user must be able to export the visualizations as an image.
- It must be possible to show the data as a Histogram.

2.2.8 Week 4.8

- Show the data with Lag analysis
- It must be possible to show the data as a Markov chain.
- Simple user interface for specifying the analyses
- Implement certain analyses functions in our language

2.2.9 Week 4.9

This is the last week where it is possible to work on the code. This week will add no new features. In this way we will be able to handle some delay during the process. Furthermore this week is used to repair the last bugs. Therefore there is a feature freeze on Wednesday June 17.

- Final input for SIG
- Draft version of the final report

2.2.10 Week 4.9

- Final report
- Product presentation