This Doc	https://docs.google.com/spreadsheet/ccc?key=0AjqjI7EmyfWndF9fbHpaOVlSaU5vdkM3blY2aFQ3Vmc#gid=6
Live Service	http://proj5.ss13.osramos.de
Code repository	https://github.com/GraphalyzerPro/GraphalyzerPro
Continuous Integration Server	http://teamcity.codebetter.com/
Additional materials	
Definition of Done	https://docs.google.com/document/d/1BPicVFTFAQLeyDrU0lACW0QkvwmvfmBuCJA_m1YB_L4/edit
Definition of Ready	https://docs.google.com/document/d/1fWW_nXsWmT1HuPLrnEI5QLQHG6ycWnsm1G3QASmxWj8/edit
Asked Questions	https://docs.google.com/document/d/1xm896RXnYOugO6yipWQqS-bTQITbae09XoR6UmQ1tBc/edit
Team Contact	https://docs.google.com/spreadsheet/ccc?key=0AjqjI7EmyfWndHFRLUlXUzVxNFF3NnRZSVNURVY2NVE#gid=0
Developers Guideline	https://docs.google.com/document/d/1ZDHW09cV4Bc9OfP03ErbDKBoNhKjfAI4-kySYziQf38/edit
Example	http://goo.gl/FRfym

Product Vision

The aim is to develop an extendable program, called GraphalyzerPro, which is a tool for analyzing log files and representing its content graphically. GraphalyzerPro shall support the development and improvement process of new and already existing features of DATEV-Software. The goal behind this is an easier understandment of the logged processes and it's connections. The program shall be modulized and easily extendable. Therefore users will have the opportunity to implement their own logfile receivers and their own output modules.

Release	1.1					
No Sprints	6					
Due Date	17.07.2013					
Sprint #	**Theme**	**User Stories**	**Est. Effort**	**Burn-Down**	**Real Effort**	
6				**100**		
7	Graphical Output Framework	25,26,27,28	16	84	16	
8	Graphical Output Basics	29,30,31,32,33	18	66		
9	Graphical Output Time Representation	34,35,36,37	16	50		
10	Information and Orientation	39,40,41,42	16	34		
11	Filter and Zoom Basics	38,43,44,45	18	16		
12	Finishing Zoom Functionality and Improvements	46,47,48,49,50	16	0		
Total			**100**		**16**	
Release	1.0					
No Sprints	6					
Due Date	30.05.2013					
Sprint #	**Theme**	**User Stories**	**Est. Effort**	**Burn-Down**	**Real Effort**	
0				**100**		
1	Organisation and Preparation	1,2,3,4,5,6,7	25	75	25	
2	Development of the Information Engine	8	5	70	21	
3	Receiver and Session Management	9,10	13	57	26	
4	Process of Initialization	11,12,13	19	38	19	
5	Input and Output Selection	14,15,16,17	16	22	16	
6	Graphical Output UI	18,19,20,21,22,23,2	22	0	18	
Total			**100**		**100**	

#	Effort	Category	Short Name	Item Description	Acceptance Criteria
38	5	Output	Orientation Lines	As a user, I have the possibility to draw a colored vertical line of the actual mouse position, to get a better overview of the situation of the other processes	The line is not always visible but must be forced by a button combination (ctrl + left click) The line is moveable with the mouse/crosshair cursor, can be deleted by right click on it and select delete and all the lines can be resetted by right click selecting reset lines.
43	3	Output	AutoScroll	As a user I can switch the AutoScroll functionality on and off so that the visualization stops at the point of current view while input continues.	Righ-click menu or main menu where AutoScroll can be switched on and off so that the user can scroll manually and the screen does not follow the input flow. Standard adjustment for session start is AutoScroll on.
44	5	Information Engine	Choice of existing receiver	As a user I can - besides a new receiver/session - choose an existing receiver/session to view it in a different graphical visualization.	Besides choosing/starting a new receiver/session there has to be the possibility to choose an existing session for opening a further graphical visualization for that session.
45	5	Ouput	Multi-graphical Visualization II	As a user I can see the further visualization of the same receiver/session in a tab at the bottom of the screen.	Several graphical visualizations are shown in tabs at the bottom of the screen for the related session.

#	Effort	Category	Short Name	Item Description	Acceptance Criteria
46	3	Output	Multi-graphical Visualization II	As as user I can switch between the different visualizations of the receiver/session by clicking on the tabs at the bottom of the screen.	The different graphical visualizations of the related (active main-tab at the top) receiver/session are choosable by clicking on the tabs at the bottom of the screen.
47	3	Output	Tab and Window Optimization	As a user, when I open a new session, the selection dialog for the input and output method does not open in a new window but is opened in the session tab, so I have a reduced amount of windows	No extra window is opened.
48	2	Analysis	Workflow Improvement	As a user, after opening a new session (tab) I want the new tab to be directly on top, so I don't have to click on it to actually see it.	The new active session is automatically displayed on top.
49	3	Output	Filter Functionality III	As a user I can see a filter function window on the right side of the screen beside the visualization where all the opened threads are listed	All the opened/running threads are listed with a checkbox for activating/deactivating
50	5	Output	Filter Functionality IV	As a user, I can use the filter function, so I can remove threads which I do not need	When I uncheck threads they are not displayed anymore in the graphical analysis.
51	5	Output	Zoom Functionality I	As a user I want to be able to zoom in to parts of the whole process visualization by clicking +/- buttons	Zoom to parts of the whole process with adjustment of time scale and other flexible parts of the graphical view

#	Effort	Category	Short Name	Item Description	Acceptance Criteria
52	5	Output	Zoom Functionality II	As a user I want to be able to zoom in to parts of the whole process visualization by making a rectangle over the part I want to look at in a zoomed view	Zoom to parts of the whole process with adjustment of time scale and other flexible parts of the graphical view
53	5	Output	Grid View I	As a user, I want to have a background that looks like a grid	A grid in the background is shown, that consists of vertical and horizontal lines, as seen in start_session_sketchv3b.png
54	5	Output	Grid View II	As a user I can see that every square represents a time interval, to get a quick overview about the duration of every process	A proper representation of time interval is chosen (as seen in start_session_sketchv3b.png)
55	3	Output	Grid View II	As a user I can switch the grid in the background on and off.	There has to be a button or a right-click menu to switch the grid in the background on and off.
56	5	Output	Grid Scale Adjustment	As a user, I need dynamic allocation of grid sizes and time intervalls, in case of dynamic input formats.	When additional information is added to the graphical output, proportions of the grid size have to adjust to the same ratio, that content has. If grid size get's too small, another (longer) time interval for grid-size has to be taken automatically.
57	5	Output	Grid Adjustment	As a user I want to have a adjusted grid background when I have zoomed in somewhere so I can get quickly an overview about the time circumstances	A proper representation of time interval is chosen

#	Effort	Category	Short Name	Item Description	Acceptance Criteria
58	2	Analysis	Final Usability and Error Testing	As a user I want to use an error-free software	The program's quality state is satisfying for the project team. This means no errors are disturbing the programs main functionality and the UI workflow is intuitive and easily understandable. Further quality conditions can be found in DoD. The program is ready for approval by the stakeholders.

#	Rel.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible Person
39	1.1	3	Output	Filter Functionality I	As a user I can see a filter function window on the right side of the screen beside the visualization where all the opened processes are listed, to have a better overview	All the opened/running processes are listed with a checkbox for activating/deactivating	Daniel Birkmaier
40	1.1	5	Output	Filter Functionality II	As a user, I can use the filter function, so I can remove proccesses which I do not need, for better orientation	When I uncheck processes they are not displayed anymore in the graphical analysis.	Daniel Birkmaier
41	1.1	5	Output	Mouse Cursor Information Window I	As a user, I can put my mouse cursor somewhere within a process block and receive information about the current state to get a better impression about the current position and the process details.	When hovering over an activity block, all the given information is listed in the right frame of the windows -> Mockup Start_session_Sketchv3b	Christoph Menzel
42	1.1	3	Output	Mouse Cursor Information Window II	As a user I want to see the starting point of time and the current µs of the activity, to be able to analyze my process in more detail.	Furthermore information such as first timestamp + µs of the actual activity position is shown in the window.	Christoph Menzel

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible Person
1	1	1	1	1	Quality Assurance	Definition of Readiness	Creation of a checklist that defines whether a user story may be marked as "ready".	Managing of a common understanding for the term "ready".	Stefan Zöttlein, Maximilian Madeja
2	1	1	1	1	Quality Assurance	Definition of Done	Creation of a checklist that contains all activities that have to be carried out to get marked as "done".	Managing of a common understanding for the term "done".	Christoph Menzel
3	1	1	5	5	Development Environment	Version Control	Selection and configuration of an appropriate version control with continuous integration.	Must be set up correctly.	Christoph Menzel
4	1	1	2	2	Development Environment	Branching Concept	Setting up and documentation of a branching concept.	Must be appropriate and set up correctly.	Christoph Menzel
5	1	1	3	3	Development Environment	Project Structure	Setting up and check-in of the initial project structure.	Must be set up correctly and appropriate to the deal/contract/product.	Christoph Menzel
6	1	1	5	5	Development Environment	Technologies	Selection of the technology stack and expansion of the project structure.	Must be selected appropriately and set up correctly.	Christoph Menzel
7	1	1	8	8	Development Environment	Workshop Development Competence	Introduction workshop (GIT, Visual Studio, units-test and C#)	Managing of a common understanding for the handling of the technical environment.	Christoph Menzel

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible Person
8	1	2	5	5	User	Interface	Als Benutzer habe ich eine feste Schnittstelle die ich mit einem Empfänger anspreche. // As a user, I need a fixed interface which I can access by a receiver, so I can implement my own receiver	Es ist eine fest definierte Schnittstellendokumentation vorhanden. // Existence of a defined Interface Documentation.	Christoph Menzel
9	1	3	5	13	CSV receiver	Input	Als Benutzer habe ich die Möglichkeit, eine CSV-Datei mit einem bestimmten vordefinierten Format in das Programm einlesen zu können. // As a user I need the possibility to provide the program with a csv-file in a predefined format, so I can analyze the given test files	Der Empfänger kann die Datei einlesen und überprüft ob die eingelesene Datei kompatibel ist. // The file can be read by the receiver and should be checked for compability.	Christoph Menzel
10	1	3	8	13	GraphalyzerPro	Receiver Determinatio	Als Benutzer kann ich alle Empfänger sehen, die durch eine vom Empfänger Implementierer angepasste in proDiag vorliegende Konfigurationsdatei erkannt werden. // As a user I can see all receivers, which are recognized by a configuration file.	Es werden alle Empfänger korrekt angezeigt, die in der Konfigurationsdatei definiert sind und hinsichtlich Schnittstelle kompatibel und gültig sind. // All receivers are displayed correctly.	Christoph Menzel

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible Person
11	1	4	8	8	GraphalyzerPro	Choice of Receiver	Als Benutzer kann ich in einem Menü der proDiag Anwendung, das die erkannten Empfänger enthält, einen der Einträge auswählen, um einen Empfänger aktivieren zu können. // As a user I can choose one of the receivers by a menu of the proDiag application to activate a receiver.	Es besteht die Möglichkeit einen der ermittelten Empfänger auszuwählen und die Auswahl zu bestätigen. // One of the determined receivers can be selected and this selection is confirmed.	Daniel Birkmaier, Christoph Menzel
12	1	4	8	8	GraphalyzerPro	Activation	As a user, after I have chosen one of the receiver, the receiver gets activated automatically by my choice, so I can analyze files	An instance of the receiver is created and distributed to a session.	Daniel Birkmaier, Christoph Menzel
13	1	4	3	3	GraphalyzerPro	Session Management	As a user I can see the new instance of the receiver in a new tab which is marked with the session id so that I can easily select different sessions (tabs) in case that several sessions are open.	A new instance requires a new tab to show following dialogs whereas each tab is a session with a unique session id (MDI with Tabbed Document Interface).	Daniel Birkmaier, Christoph Menzel
14	1	5	3	3	CSV Receiver	Initialization	As a user I can choose a CSV file in a file-dialog in order to select a source file.	After the automatic activation the created instance gets initialized through which the user can select a source file.	Christoph Menzel

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible Person
15	1	5	5	5	GraphalyzerPro	Deactivation	As a user I can close the session by clicking a button inthe tab header.	The session and the tab isclosed and all data in thememory gets deleted.	Christoph Menzel
16	1	5	3	3	Analysis	Analysis list	As a user I want to see the different possibilites of analysis tools in order to choose the appropriate tool.	All possibilites of analysis tools are loaded and listed to the user - similar to the selection of the receiver.	Daniel Birkmaier
17	1	5	5	5	Analysis	Selection	As a user I can select one of the possibilities of analysis tools to choose my desired way of output.	The selected analysis tool is initialized and an instance is created.	Daniel Birkmaier
18	1	6	2	2	Analysis	Initialization	As a user I can see the graphical analysis opening in the same tab as the actual session (tab) so it is clear that the tool belongs to the same session as the receiver.	After the initialization the graphical analysis tool loads in the same tab as the receiver. The lifecycle of the tool ends with closing the session.	Daniel Birkmaier
19	1	6	2	2	Analysis	Deinitializatio	As a user I end the graphical analysis by closing the tab.	By closing the tab the session and thus the instance of the graphical analysis ends.	Christoph Menzel

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible Person
20	1	6	2	2	Receiver	Interface Flexibility	As a user I want to be able to upload finished logfiles as well as to connect to running processes to analyze static and dynamic analysis outputs.	The interface of the information engine has to be flexible in order to provide the possibility to transfer different analysis outputs to the receivers. To technically simplify the user's possibility to analyse static and dynamic processes each anylysis output is regarded as a dynamic one.	Daniel Birkmaier
21	1	6	3	3	Information Engine	Format of the Analysis Output	As a user I want the following attributes to be recognized by the information engine to be able to execute a valid analyse: 1) Timestamp, 2) Gap, 3) Duration, 4) PID, 5) Thread, 6) Type, 7) Domain, 8) Application, 9) Component, 10) Module, 11) Code, 12) Text, 13) Meta-Information	In all cases the ouputs will be in the form of certain parameters to define an analysis output standard along the attributes wanted by the user.	Christoph Menzel
22	1	6	5	5	Information Engine	Data Input	As a user I want to have an Input-Function for the Information system, to be able to send data to it.	Data can be send by a receiver and can be processed by the Information Engine. The data is send to the proper session.	Christoph Menzel

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible Person
23	1	6	5	5	GraphalyzerPro	Data Output	As a user I want to have an Output-Function which can be used by the sessions to send data to the output receivers, so I can analyze it	Data can be send to a receiver and can be processed.	Daniel Birkmaier
24	1	6	3	3	Output	Interface	As a user, I have a fixed output interface, which can be accessed by output receivers, so I can implement my own output styles.	Existence of a defined Interface Documentation.	Daniel Birkmaier
25	1.1	7	3	3	GraphalyzerPro	Session start	As a user, I want to be able to open a new session by clicking a "plus" -tab, next to the session tabs to improve the usability	By clicking on the button the "Starting a new session process" beginns.	Daniel Birkmaier
26	1.1	7	5	5	Output	Procceses	As a user I want to see each process as a column in the graphical output, to have a clear structure	Every column has the PID as name. All of the processes of the source are displayed properly.	Christoph Menzel
27	1.1	7	5	5	Output	Threads	As a user I want to see each thread as a subcolumn of the related process in the graphical output, so the threads are grouped by their process, to have a clear overview	Every column has the thread id as name. All of the threads of the source are displayed properly.	Daniel Birkmaier

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible Person
28	1.1	7	3	3	Output	Scrollbar	As a user, I want to be able to scroll horizontaly to see all of the displayed processes	If there are more entries than can be seen in the display window, a horizontal scrollbar appears	Christoph Menzel
29	1.1	8	5	5	Output	Animation of Activities	As a user I can see animated rectangles that are starting, growing and ending according to the content of the receiver.	Animated rectangles are displayed as seen in the mockup (start_session_sketchv3.png)	Christoph Menzel
30	1.1	8	2	2	Output	Direction of Visualization	As a user I can see the progress built from top to bottom so that the newest incident is at the bottom of the graphic.	The content of the file in the receiver is visualized from top to bottom so that the newest content is at the bottom of the screen/graphic	Daniel Birkmaier
31	1.1	8	5	5	Output	Time Scale	As a user I want to be sure that the activities are presented according to their duration which is counted in µs.	The graphical representation of every activity has to be in accordance to its duration which shall be counted in µs	Daniel Birkmaier
32	1.1	8	1	1	Output	Mouse Cursor Crosshair	As a user, I have a mouse cursor that looks like a crosshair so I can identify my position easier	The mouse cursor looks like a crosshair	Daniel Birkmaier
33	1.1	8	5	5	Output	Colored Errors and Exceptions	As a user I want to see errors and other exceptions colored so I can identify them quickly	I can see red stripes if there is an exception or an error	Christoph Menzel

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible Person
34	1.1	9	5	5	Output	Thread Time-Sync	As a user I can see the animated rectangles in the threads synchronized to their starting and ending points of time, so I can get easily a good overview	The rectangle of an output entry is shown at the right position according to the point of time given in the content of the receiver.	Daniel Birkmaier
35	1.1	9	3	3	Output	Standard scale	As a user my standard screen resolution is about 1600x1024 where I want to see the visualizations in an appropriate size, so the displayed information is not overloaded	The size has to fit this resolution in that way that even the smallest threads are visible in the visualization.	Daniel Birkmaier
36	1.1	9	5	5	CSV receiver	Line-Break Support	As a user I want the receiver to support line breaks reading out of the CSV file, so the program do not crash	The CSV file has to be read correctly even if it contains line breaks.	Christoph Menzel
37	1.1	9	5	5	Output	Visualization Mouse-Screen-Cross	As a user I want to have a cross that is viewed across the whole visualization part of the screen instead of having a small cursor cross, for better orientation	The lines of the cross have to fit the x and y coordinates of the mouse position and have to be thin enough to further able to see the smallest threads and exceptions.	Christoph Menzel

#	Description	Solution
1	Inner team communication behaviour	Yes
2	Team changig	Yes
3	Finding time slots	Yes
4	Fear of C#	Yes
5	Waiting for open source approval (resharper)	Yes
6	Reading all of the important documents and feedbacks (all team members have to read what has to be improved and what they have to learn about their work like FAQs etc)	Yes
7	Assigning of features to SDs	Yes
8	Immense language barriers	Yes
9	Loss of Team members leads to delay in sprint/release planning.	Yes
10	Different points of views concerning programming styles (inner developer problems)	Yes
11	Quiet conference room with a stable internet connection	Yes

Sprint #	Review und Release Manager	SCRUM Master
1	Christoph Menzel	Maximilian Madeja
2	Christoph Menzel	Farruch Kouliev
3	Christoph Menzel	Stefan Zöttlein
4	Daniel Birkmaier	Maximilian Madeja
5	Christoph Menzel	Farruch Kouliev
6	Christoph Menzel	Stefan Zöttlein
7	Christoph Menzel	Maximilian Madeja
8	Christoph Menzel	Daniel Birkmaier
9	Daniel Birkmaier	Christoph Menzel
10	Christoph Menzel	Farruch Kouliev
11	Daniel Birkmaier	Stefan Zöttlein
12	Christoph Menzel	Maximilian Madeja