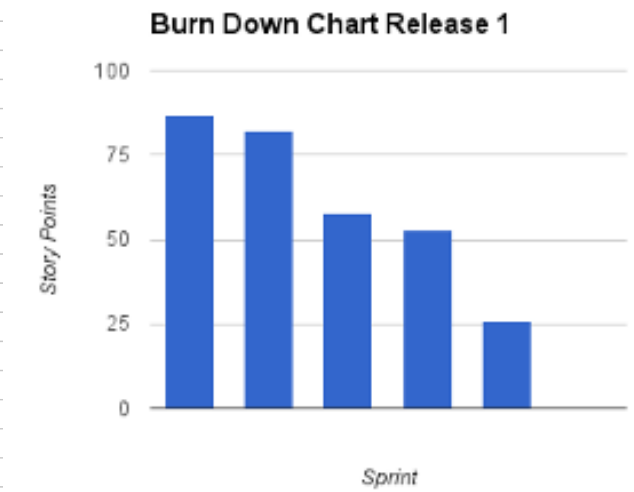
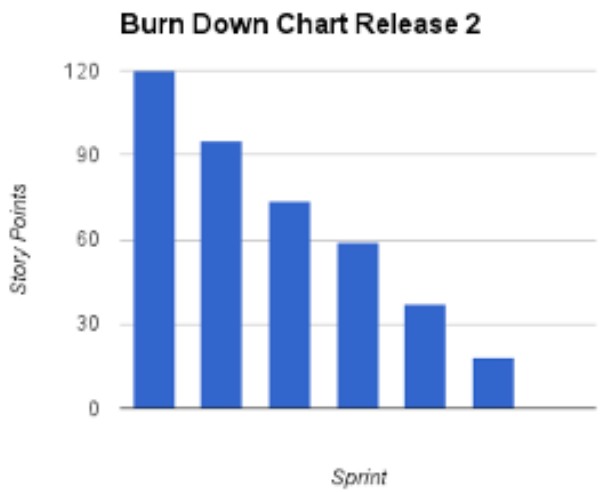
This doc	http://goo.gl/4AG7v
Code repository	https://github.com/thetransporter2012/amos-osvas
Additional materials	https://www.dropbox.com/s/tvjeczpmhmxebll/Bosch-AEY1-Amos-proposal.pdf
	https://www.dropbox.com/s/ufrh93snfbu9189/Bosch%201%20Vulnerability%20Assessment%20Service.pdf
	https://www.dropbox.com/home?select=Backlog.xls

Companies develop a lot of software tools and use for some components open source products which are integrated in their software.
These components need to be controlled by the owners of the software in terms of new versions or security problems.
Of course, a manual search in major security vulnerability databases can be a major effort. That is why we are looking for tool and automation support.
The Software can use an uploaded list from open source components and show the different vulnerabilities for them.

Release	1						
No Sprints	6						
Due Date	21.05.2013						
Sprint #	Theme	User Stories	Est. Effort	Burn-Down	Real Effort	Scrum master	Review & release manager
1	Infrastructure	1,2,3	5	87	5	Martin	Dominic
2	Environment	4,5,6,7,8	24	82	24	Dominik Krebs	Jonathan
3	API organisation	12	5	58	5	Dominik Krebs	Dominic
4	Access & Output	16,17,30,31	27	53	27	Radi	Dominik Krebs
5	Output and Upload	12,14,15,21,24	26	26	20	Martin	Dominic
6	Search and Output	26,28,37,38	18	0	16	Martin	Radi
Release	2						
No Sprints	2						
Due Date	19.06.2013						
Sprint #	Theme	User Stories	Est. Effort	Burn-Down	Real Effort	Scrum master	Review & release manager
1	XML output	18,40,41,42	26	120	13	Radi	Martin
2	Output Format	59,60,41,62,18	25	95	20	Martin	Dominik Krebs
3	Output XML	43,46,47	21	74	11	Radi	Martin
4	Output HTML and Password	36,61,62	15	59	15	Martin	Radi
5	Extension and Documentation	59,60,45,48,49,44	22	37	16	Radi	Martin
6	Improvements and testing	45,59,53,61,60	19	18	16	Martin	Radi
7	Improvements	55,56,52,51,60	18	0		Radi	Martin


Burn Down Chart Release 1
100
75
50
25
0
Story Points
Sprint


Burn Down Chart Release 2
120
90
60
30
0
Story Points
Sprint

#	Effort	Category	Short Name	Item Description	Acceptance Criteria
52	5	testing	Modultest	As a developer, I test the whole program with different entries, so there will be no errors	Test the different components, upload list, read list, search lust and output list
Result	0				

#	Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsibility	Sprint Release
60	5	Programming	upload function integration	As a User, I can choose if I download the file or not, so I use the XML file or other purposes	download button with download function for an XML file	Martin	
55	5	Bug fixing	Random Results	As a developer, I fix the Issue that random results are printed out, so the user is able to see clear results	results fixed, right results should be printed	Dominik	
56	3	Bug fixing	Style mistakes	As a developer, I fix the issues that the style of the Page are destroyed if you click on different pages and the output file, so the User can surf without borders	Upload Page style fixed, CSV file structure is not right	Dominik	
51	5	testing	Data correctness	As a developer, I check whether the output is similar to the data in the database, so I guarantue correctness of the data	Document how long it will take for the searching and test the result with 2 different lists and 20 entries, look at the database for the correctness of the entries	Radi	
Result							
	18						

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item description	Acceptance Criteria	Spalte1
1	1	1	1	1	infrastructure	code repository	As a developer, I can upload my code when I go to the website, so the others can find always the actual version	Github repository created	Dommic
2	1	1	1	1	infrastructure	dropbox	As a Team, we can share documents by visiting the website, so everyone has the actual documents	Dropbox account created and all invited	Dommic
3	1	1	3	3	infrastructure	planning doc	As product owner, I can see the status of the project by visiting the document, so I am always able to communicate informations	Planning document exists	Dominic
4	1	2	4	8	environment	Tomcat installed	As a developer, I have installed the tomcat, so i can start to connect with them	Programm is installed and well known	Everyone
5	1	2	3	8	environment	jUnit	As a developer, I can test easily, so I can guarantuee that the features running well	Junit knowledge available	Dveryone
6	1	2	4	8	environment	Tomcat server	As a developer, I have access to the tomcat server, so I run webpages on it	Access to tomcat server	Everyone
7	1	2	5	5	environment	war file	As a developer, I can organize the test cases, so I have always an overview of them	War file created	Dommic
8	1	2	5	5	Frontend / UI	Search page	As a user, I can visite a page where queries for vulnerabilities can be made, so I can search for relevant informations	The user can type in software name and version and press Search, without working algorithm	Dommic
9	1	2	3	8	API	Access OSVDB	As a developer, I give me an overview of the organisation of API access to the OSVDB, so i can use the knowleage for further requirements	Ability to access the OSVDB	Dommic
10	1	2	12	5	API	Opportunities OSVDB	As a developer, I am able to find out which information is stored in the OSVDB, so I prepare the information for the result page	Having a clear overview about what is stored in the database	Radi
17	1	3	8	8	Frontend / UI	Output List	As a developer, I put the information of the database in a list, so i can visualize them for the user	The list includes "new version", "license expired", "reason not to use current version or software", "exploits"	Dommic

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item description	Acceptance Criteria	Spalte1
16	1	4	5	5	Bug	404 Bug	As a developer, I have to look at the bug "404 page is shown on the production server for some reason, but not in the development environment", so the product owner can access to it	the page can be opened on windows/linux/mac	Radi, Martin, Dommic
30	1	4	2	2	Organization	Access to US National VDB	As a developer, I have to access to the database, so the user can use more databases	An account for the US National Vulnerability Database exists, an API is available, an API key is available	Martin
31	1	4	2	2	Organization	Access to Russian National VDB	As a developer, I have to access to the database, so the user can use more databases	An account for the Russian National Vulnerability Database exists, an API is available, an API key is available	Radi
32	1	4	5	5	API	REST API	As a developer I know how the API which will be provided looks like, so it will be easier to implement the software	The API is defined in form of a class skeleton	Radi
13	1	4	5	5	Frontend / UI	Results	As a product owner, I can show a mockup to the industrie partner, where he can see the first design	A mockup shows how the results should look like	Martin
12	1	5	3	1	Organization	Upload List	As a product owner I have organized how the list to be uploaded should look like, so the developer can access the database	An example list is available / has been provided by Bosch	Dominic
14	1	5	5	5	Programming	Batch processing	As a developer, I can process entries of a list sequentially, so I can search them in the database	list is splitted and saved in variables	Radi
15	1	5	3	2	Frontend / UI	Mockup for Input page	As a developer, I create a mockup of the page, so I can show it to the product owner	mockup of the input page with upload button and field and welcome text about the software	Martin
24	1	5	8	8	API	Organizing Access to OSVDB	As a developer, I have an Account to access the OSVDB, so I can solve further requirements like searching	Possibilty to connect to the API or a similar simulated database	Radi
21	1	5	5	3	Frontend / UI	Output List	As a user I can see a list of vulnerabilities at as XSLT styled XML, so I have a good overview	The list includes the following information: "OSVDB ID", "Vulnerability Name", "Link to Vulnerability", "Disclosure Date", "Problem", "Solution"	Martin

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item description	Acceptance Criteria	Spalte1
28	1	6	8	5	Model	XML request	As a developer, I convert the csv-list to an XML-file, so I can send a query to the database	A XML-File with the attributes (depend on feature 26)	Martin
26	1	6	8	8	API	API XML	As a developer, I can read from the XML file the required information for a request in the database, so I can send requests to the database	Structure of the XML file for feature 28	Radi
38	1	6	5	5	API	XML output file	As a developer, I receive the output from the database and convert them to XML, so I can show results	Output XML-file from the database	Radi
42	2	1	8	8	Programming	Query Improvements	As a user, I can search for vulnerabilities using vendor/product/version names instead of their OSVDB IDs	A method that returns the OSVDB IDs correspondent to the relevant vendor/product/version	Radi
59	2	2	3	3	Organization	Improvement	As a developer, I change the structure in github, so the industry partner and prof Riehle can find our data	use the maiden structure	Radi, Martin
40	2	2	5	5	Programming	Interface	As a developer, I can start the Java from the webpage, so I can connect them with the User interfaces	Webpage starts our java program for getting information from the Open Source database	Martin
60	2	2	5	5	Programming	Combine module	As a developer, I integrated all existing classes to a working program	The existing functionality can be used by calling the webpage, which returns output	Radi
41	2	2	2	2	Programming	Output Conversion	As a developer I can convert the Database Output into a readable File so I can identify methods information in an HTML file. So I can use these information in an output file.	You can use a list for everything, to search within a list.	Dominic
62	2	2	8	8	Programming	Output Conversion	As a developer I can convert the Database output into a readable file, so I can generate an output file.	File (XML) with all relevant information (Id, Component, Vulnerability Name, Severity, Version, (Description), Link	Dominic
18	2	2	2	2	Frontend / UI	Input Page	As a user, I can use an upload form to upload a list of software bugs etc., so that the single entries of the software can be searched	An HTML-upload form is shown on the startpage of the app and can be submitted by the user	Dominic

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item description	Acceptance Criteria	Spalte1
46	2	3	4	4	Output	Dokumentation 1	As a developper, I test the flow of the software, to guarantue that it works	tests for different lists and inputs, Main Method and Vulnerability method testfile	Radi
47	2	3	2	2	Testing	Main method test	As a user, I can read a documentation of the output, so I can't do any mistakes	4-5 sentence to every row, description of the row, not in GITHUB now, we will upload it later with the full guide of the software	Radi
43	2	3	5	3	Output	Output 2	As a User, I can download a file, so I can see the results	XML file can be downloaded with the results	Martin
62	2	4	5	5	upload CSV	Upload form	As a User, I can upload a csv list, so it is comfortable if I search more than one component	Data is uploaded and saved on the server	Martin
61	2	4	5	5	programming	Connect the modules	As a developer, I connect the frontend with the backend, so the program can be run from the frontend	Frontend and Upload connect with the Backend System, so the programm can be used to upload a list and give output	Martin and Radi
36	2	4	5	5	Programming	User management	As a developer, I give the user the opportunity to log in, so only the right users become access	User can log in with passwort and Username, 1 Account per Developper, Bosch and Riehle, Password: AMOS, Alert for wrong password, for the search page	Radi
44	2	5	5	5	XSLT	Output style	As a developer, I convert the XML to XSLT, so I can generate HTML output	Webpage with output from XML in a table overview	Dominic
59	2	5	5	3	Programming	User management upload	As a developer, I give the user the oportunity to log in, so only the right users become access	User can log in with passwort and Username, 1 Account per Developper, Bosch and Riehle, Password: AMOS, Alert for wrong password, for the upload page	Radi
48	2	5	3	3	Documentation	Interface	As a developer, I code interfaces for the expansion of the software, so another database can be added	Guide how to add a new vulnarability database in the HTML page	Radi
49	2	5	3	3	Documentation	UML Part 1	As a Industry, I can see an UML diagram, so I can understand the structure of the software	Class diagram with al classes and functions, all classes with some functions, generell structure	Martin
45	2	6	5	5	XSLT style	Output style 2	As a user, I can see a short overview of the results in a table, so I can see very quickly what is critical	Colors and CSS for the output. Style from the other frontend pages	Dominik

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item description	Acceptance Criteria	Spalte1
59	2	6	5	3	Programming	User Menu	As a User, I can see my name when I am in the program and i can logout, so I can be sure that my data will not abused	See the name Hello User and he can logout	Radi
53	2	6	3	3	Documentation	UML Part 2	As a corporation/industry, I can see an UML diagram, so I can understand the structure of the software	Class diagram with al classes and functions, all classes with all functions, fine structure	Martin
61	2	6	3	3	testing	list of Vulnerabilites	As a User, I can use an example list with components which have to fixed, so I can have a good overview of the software	List of Components with Vulnerabilites, 20 examples, 10 without Vulnerabilites and 10 with different Vulnerabilites, ready to upload in a CSV file	Radi

Item	Description
Backend	Backend consists of the underlying database with the API to the frontend.
Disclosure Date	Date when the vulnerability/problem was published respectively uploaded.
Entry	General: Giving the user the "entry" to a page refering to his requests; Detail: 1. In the context of testing entries are the different parameters for the Java methods. 2. Keywords refering to the sought-up bugs, vulnerabilites etc.
Frontend	Fronted consists of the upload-page for uplouding csv-files and the homepage for searching a requested component vulnerability.
Github	A web-based hosting service for this software development project using the Git revision control system.
Link to Vulnerability	
Mockup	A user interface demonstrating the end user how the software application will look like without having to build the software.
OSVDB (Database)	The "Open Source Vulnerability Database" stores all vulnerabilities of software components users can request for.
OSVDB ID	ID for the company (software vendor), for the product and the version of a product to have access to the vulnerabilities stored on the OSVDB.
Problem	Description of the underlying issue from a designated software component.
Rest API	REST (REpresentational State Transfer): A stateless architecture that runs over HTTP. REST involves reading a Web page containing an XML file. A Rest API (access via http) is a special Web API conforming to the REST architectureal style.
Solution	Description of a suggested way to solve the vulnerability of the software component.
Tomcat Server	An application server from the Apache Software Foundation that executes Java servlets and renders Web pages that include Java Server Page coding.
Uploaded .csv list	Table in csv-format provided by user containing among others the name and version of a software component.
Vulnerability Name	Name of the specific vulnerability of a software component.
War file	A special folder structure containing special files in addition to JSP pages, Java servlets, Java classes, HTML pages etc. which combined forms a Web Application.
XSLT styled XML	Output XML-file transformed by XSLT (Extensible Stylesheet Language Transformations).

Impediment	Status	Actions
There is no access to the OSVDB possible at the moment	Done	
We have no permission or licence to access the database, no access was granted	Done	
the scrum process is not well understood	Done	
no face-to-face communication with Bosch	Done	
lack of day-to-day communication between the team members	Done	
US Database opportunity to get access	Done	
Access to Russian Database, no answer	Closed	
Technical difficulties while connecting to the skype group call	Done	
Only 2 times access to the database	Closed	we do not use the API
Little communication exchange regarding the app structure	Done	Dominik explaining unclear subjects
No access to the database - error message shown	Closed	we do not use the API
We do not found the entries in the database	Done	Bosch will map it
Presenation for Bosch was not so good	Open	presentation next week
We have not enough material for the final presentation	Open	create UML diagrams