This Doc	http://goo.gl/NpcKW
Live Service	http://proj8.ss13.osramos.de
Code repository	https://sourceforge.net/projects/amos2013/
Schedule	http://goo.gl/BZpU8
Survey	http://osr.cs.fau.de/surveys/index.php/771726/lang-en

Elektrobit RFID Inventory Management Product Vision

The "Elektrobit RFID Inventory Management" helps to manage and locate hardware devices in the office rooms because the amount of hardware used is simply too much and the location changes too often to keep track. Searching for two or three items can take up to several days at the moment.

The "Elektrobit RFID Inventory Management" consists of an app and a web-application. Users can easily update the current location and owner of a device via the app and on the web-app, they can check who is in possession of the hardware and where it is at the moment. This is important, for instance, to locate bottlenecks for a new project in an early phase or simply for stocktaking.

	1.1			Est. Effort	Burn-Down	Real Effort	
No Sprints	6						
Due Date	17.07.2013	(final release)					
Sprint #	Theme			Est. Effort	Burn-Down	Real Effort	
6					144		
7	Admin MGMT & Basic Knowledge	45, 46, 47, 48, 49, 50, 51		24	120	25	
8	Advanced Knowledge & Native App	52, 53, 54, 55, 56, 57		24	96	26	
9	Native App & Basic Dev. & Doc	58, 59, 60, 61, 62		23	73	21	
10	Native App & Bug Fixing & Usability & Doc	63, 64, 65, 66, 67, 68, 69		26	47	28	
11	Bug Fixing & HW MGMT & User XP	70, 71, 72, 73, 74, 75, 76, 77, 78		24			
12	VM & Doc & Usability & Final Release	79, 80, 81, 82, 83, 84		26			
Total				147		100	
		User Stories					
Release	1.0						
No Sprints	6						
Due Date	29.05.2013	(mid-term release)					
Sprint #	Theme	User Stories		Est. Effort	Burn-Down	Real Effort	
0					154		
1	Project Start	1, 2, 3, 4, 5, 6, 7		15	139	15	
2	Basic Development	8, 9, 10, 11, 12, 13, 14		28	111	30	
3	Improvements & Testing	15, 16, 17, 19, 20, 21, 22, 23		34	77	40	
4	App GUI & HW MGMT	24, 25, 26, 27, 28, 29, 30		27	50	27	
5	Improvements & Documentaion	31, 32, 33, 34, 35, 36		24	26	25	
6	DB & Memory Dev & Admin MGMT	37, 38, 39, 40, 41, 42, 43, 44		26	0	27	
Total				154		164	

#	Effort	Category	Short Name	Item Description	Acceptance Criteria				
79	5	VM	VM-Ware Image	As a developer, I install the whole development environment onto a VM-Ware running on Windows.	The whole development environment (e.g. Eclipse, Tomcat, PostgreSQL-DB, etc.) is installed and usable. When the image is started, I can immediatelly start to work on this development project.				
80	5	Bug Fixing	Show data by typing in part number	As an user, I should see the data belonging to a part number on the add entry view of the main page in order to improve the usability.	After typing in the part number, the additional data appears in the line below because the there is a link between these two lines.				
81	5	HW MGMT	Sub list on add entry view	As an user, I can see a sub list of the main list on the add entry view in order to find the part number faster.	There is a sub list of the meta data which can be filtered via a search field.				
82	5	Documentation QA	Assure quality of documentation	As a developer, I have to be sure that the quality of the documentation is appropriate, in order to ensure that our customer can enhance and maintenance the program.	Documenation has to be clear and comprehensive. Documents have to have valid names and version numbers and an use case diagram for the app (similar to desktop version) is added to complete the documentation.				
83	3	Usability	Improve usability	As a develper, I improve the usability of the app and the desktop verion in order to facilitate the use of the app and desktop version.	App and desktop version provide a good usability (like the static header) in order to be able to work with the app and the desktop version easily.				
84	3	Final Release	Preparation	As a team, we prepare our presentation for the final release in order to give the audience a short overview of our development and that we were able to complete the customer requirements.	The team knows what it would present at the final release.				

Following features can be done if time is left. They are not as important as other features for our customer:

#	Effort	Category	Short Name	Item Description	Acceptance Criteria				
85	5	User MGMT	Login	As an admin, I can login to the admin views in order to limit admin functionalities for other users.	The admin can login to the admin views. Needed login information is username and PW.				
86	3	User MGMT	Logout	As an admin, I can logout to leave the application in order to avoid data abuse or changes of non-admins.	Only one click is needed to log out the admin from the website. The button will not be displayed when not logged in.				

#	Effort	Category	Short Name	Item Description	Acceptance Criteria				
87	3	Design Refresh	Design Idea Collection	As a developer, I create some mockups with potential designs and think about a name for the app which fits to our customers image and design in order to provide an end product to our customer that is consistent with their imagination. These mockups and ideas for names will be discussed with our customer in the next meeting.	Some mockups and names for the app are created which can be discussed with our customer in the next meeting.				
88	3	Design Refresh	Refresh design of the desktop version	As a developer, I refresh the desing of desktop version like it was decided with our customer (change colors, font size, font), in order to have a better user experience.	The design of the desktop is refreshed and meets the expectations of our customer.				
89	3	Design Refresh	Refresh design of app	As a developer, I refresh the desing of the app like it was decided with our customer (change colors, font size, font), in order to have a better user experience.	The design of the app is refreshed and meets the expectations of our customer.				
90	8	Professional Search	Combine search criteria	As an user, I can combine search criteria (e.g. model and office) to restrict the outcome of the search and to improve the usability.	At least two search criterias can be combined.				
91	8	HW MGMT	Basic Sorting(Desktop)	As an user, I can sort the HW in order to find groups of data quickly.	Every column can be used as a sorting criteria. If the user clicks on a column it will be automatically sorted alphabetically.				

#	Rel.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible team member/s		
70	2	5	Bug fixing	Fixing App DB-record-update routine	As a user, I can use the app without errors, in order to have a better user experience.	Current app-update routine will not delete unwanted DB record data. If one field e.g. room is updated in the app the other fields are not overwritten with null anymore.	[tba]		
71	2	5	HW MGMT	Adding attributes	As an user, I can see all attributes of a HW device in the main list in order to have all information about this device.	In the main list all attributes of an HW device can be seen. All tables from the original Excel sheet provided by the customer can be seen now.	[tba]		
72	2	1	HW MGMT	Professional search I	As an user, I should be able to search in all columns which were added by the developers before in order to improve the usability.	In the main list, the user can search for all columns by selecting one in the combobox.	[tba]		
73	2	5	HW MGMT	Professional search II	As an user, I can search for any word in the main list in order to have a better user experience.	The field "all" is added to the combobox which includes the search criteria. If the user types in a word in the search field, all columns will be scanned for that word.	[tba]		
74	2	1	Native App	Burst mode changes	As developers, we change the functionality of the app, which allows to view meta data with long-pressing on the RFID ID in order to get more information than before.	A long press on any ID will show a pop up with not only employee, room, type and category, but also manufacturer and ID (old).	Andreas Singer		
75	2	3	Documentation	Enhanced documentation	As an admin, I have a tree folder structure, in order to get a better overview.	Have a document with tree and data folder structure plus written declarations.	David Lehmeier		
76	2	1	User XP	Highlight status messages	As a user, I have more highlighted status messages, in order to recognize the status messages faster.	All of the status messages have new highlighting colors with some padding.	Liping Wang		
77	2	1	User XP	Header for tables	As a user, I have homogeneous displayed table headers, in order to have a better user XP.	All table headers look homogeneous.	Liping Wang		
78	2	2	User XP	Fixed Header	As a user, I have fixed headers for room, employee and location edit pages, in order to have a better user XP.	Fixed table headers to room, employee and location edit pages like its done in the main page.	[tba]		

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible team member/s
1	1	1	5	5	Specialist concept	Requirements definition	As a team we have a homogenous understanding of the needs the stakeholde wants in order to fulfill the needs of the order correctly.	Written down in a document and every stakeholder should "sign it".	Andreas Singer, David Lehmeier, Liping Wang, Andreas Lutz, Jana Riechert, Kerstin Stern
2	1	1	2	2	Communication	Definition of Communication	As a member of the team we know the communication platform/devices/software and state how it will be used in order to get a more fluent SW development process.	Written down in a document.	Andreas Singer, David Lehmeier, Liping Wang, Andreas Lutz, Jana Riechert, Kerstin Stern
3	1	1	1	1	Quality MGMT	Definition of Done	As a member of a team I can check the definition of quality criterias for when a developed feature is done in order to get a more fluent sprint process.	Written down in a document.	Andreas Singer, David Lehmeier, Liping Wang, Andreas Lutz, Jana Riechert, Kerstin Stern
4	1	1	1	1	Quality MGMT	Definition of Readiness	As a member of the team I can check the definition of when a user story is ready in order to get a more fluent sprint process.	Written down in a document.	Andreas Lutz, Jana Riechert, Kerstin Stern
5	1	1	2	2	Dev Environment	Gathering Server/DB Information	As a developer I have all kind of information about the different types of databases, server and in particular login data and location in order to start developing.	Information should be there.	Andreas Singer, David Lehmeier, Liping Wang
6	1	1	2	2	Configuration MGMT	Code folder plan	As a member of the team I know how all of the written code will be stored in the SCM system in order to get a better structure in the project.	Written down in a document.	Andreas Singer, David Lehmeier, Liping Wang
7	1	1	2	2	Configuration MGMT	Data folder plan	As a member of the team I know how all of the data and documents will be stored in the files section of the repository in order to get a better structure in the project.	Written down in a document.	Andreas Singer, David Lehmeier, Liping Wang

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible team member/s
8	1	2	8	8	Dev Environment	Technology definition	As a developer I know which programming languages, operating systems etc. will be used so that we all use the same technology.	All of the OS and languages should be defined.	Andreas Singer, David Lehmeier, Liping Wang
9	1	2	8	8	Dev Environment	Introduction Workshop	As a developer I took part on an introduction workshop concerning Sourceforge (and plugins), installing all the software, SCM-Plugins, etc. to in order to get a homogenous work environment and vision.	All of the developer should have installed all of the software and all of the required knowledge to use it.	Andreas Singer, David Lehmeier, Liping Wang
10	1	2	2	2	Basic Dev	Setting up the project	As an admin, I have to set up the web application archive.	.WAR file can be deployed locally.	Andreas Singer, David Lehmeier
11	1	2	3	2	Basic Dev	Website Framework	As an user of the website, I can open the website and see a blank page in order to know there is an existing website where I can check all the HW later.	Website can be opened locally.	David Lehmeier
12	1	2	1	1	Basic Dev	Basic Database Framework	As a developer, I can open the DB and see columns and tables so that I can store data there.	Database with tables and columns exist and can be opened locally.	David Lehmeier
13	1	2	5	8	Basic Dev	Connecting Website and DB	As a developer, I can use the connection between website and the database in order to use the web GUI to change data in the DB later.	On the website a table with the unstructured content of the DB is visible.	David Lehmeier
14	1	2	1	1	Basic Dev	Setting Up Android App Framework	As an app user, I can see a specific website, so that I can use all of the functions on my smartphone, as well.	An android app which only displays a specific website is created.	Andreas Singer
15	1	3	5	8	Quality MGMT	Improvements of common practices	As a developer we discuss the file naming, folder structure and commenting during development so that the structure of the project is given.	SD having a common understanding about practices. Documents are too much overhead because the team consists out of only 3 SD's.	Andreas Singer

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible team member/s
16	1	3	2	3	Basic Dev	DL link for APK	As a user of the website, I can see a download link to the Android apk so that I can download the app for my smartphone.	DL link to the APK is on the website.	David Lehmeier
17	1	3	8	8	Testing	Understanding jUnit	As a developer, I should work with and understand jUnit to be able to test the application.	Developer understands jUnit so that s/he can write the test cases and test the software.	Andreas Singer, David Lehmeier, Liping Wang
18	1	3	8	8	Testing	Test Cases	As a developer, I should write test cases to make sure the software works without errors.	There are test cases for every existing file and function. No errors occur in the tests.	Liping Wang
19	1	3	1	2	Testing	Create DB test data	As a developer, I can see testdata in the DB so that I can check if the displaying of the DB content works.	The DB contains testdata for HW ID and location (offices).	Andreas Singer
20	1	3	1	1	HW MGMT	Basic DB content displaying	As a user on the website, I can see the HW String with the connected Rooms, so that I can locate the HW.	DB content should be displayed.	David Lehmeier
21	1	3	2	3	HW MGMT	Basic HW list with columns	As an user of the website, I can see the content of the DB in tables on the website in order to have a better structure of the displayed data.	On the website a table filled with testdata can be seen.	David Lehmeier
22	1	3	2	2	HW MGMT	Change HW information	As an user of the website, I can change the information of the DB in order to have the current state.	The user can change the data of every attribut of a data set. Changes will be saved.	Andreas Singer
23	1	3	5	5	HW MGMT	Add HW information	As an user of the website, I can add information to the database in order to have the current state.	The user can add a record to the DB. He can enter values for all attributes and these will be saved.	David Lehmeier
24	1	4	8	5	Design	Create basic website desktop design/template	As an user, I have a HTML sketelon of the website in order to find information easily.	Create a seperate website to differentiate between input (App) and output (website) page. A clear structure can be recognized. Data is arranged in a table. Text is structured with headlines. Links are emphasized.	David Lehmeier

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible team member/s
25	1	4	5	5	HW MGMT	Delete HW information (Desktop)	As an user of the website, I can delete information of the DB in order to have the current state.	The user can delete a record from the DB. Afterwards the record is not visible for the user anymore.	David Lehmeier
26	1	4	5	8	HW MGMT	Basic search field (Desktop)	As an user of the website, I can search for an HW ID in order to find HW quickly.	The user can enter an ID in a search field. S/he can start the search process. As a result the record which s/he was looking for is visible.	Liping Wang, Andreas Singer
27	1	4	2	2	App GUI	Enter RFID	As an user, I can enter a RFID in a text box in order to simulate the scan process.	A text box with the RFID is visible for the user. Numbers can be entered.	Andreas Singer
28	1	4	3	3	App GUI	Submit entry	As an user, I can click on "Submit" in order to save the information I entered in the different fields in the app.	The entry can be seen in the DB. Entry can bee seen on the website.	David Lehmeier
29	1	4	3	3	HW MGMT	Update website I	As an user, I can add a HW device with the app in order to have the current state of the DB.	The entry can be found on the website which is automatically updated (user can see his entry).	David Lehmeier
30	1	4	1	1	HW MGMT	Update website II	As an user, I can change the location of a HW device with the App in order to have the current state of the DB.	The website is automatically updatet. Therefore the user is able to see her/his changed record on the website.	Andreas Singer
31	1	5	3	8	HW MGMT	Improved basic search field (Desktop)	As an user of the website, I can search for an HW ID in order to find HW quickly.	The user can enter an ID in a search field. S/he can start the search process. As a result only the record which s/he was looking for is visible. The user can discard the search and will then be able to see all records again.	David Lehmeier
32	1	5	3	3	DB Development	New DB tables and java classes	As an admin, I can see new DB tables in order to later add dropdown menus to the service.	Three new DB tables exist for the management of office, rooms and users.	Andreas Singer, Liping Wang
33	1	5	5	5	App GUI	Select office/employee/room	As an user, I can select the office/room/employee where the HW is located in order to update the record.	Possible offices/rooms/emplyoees are shown and one can be selected by the user f.w. within a combobox.	Andreas Singer, David Lehmeier

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible team member/s
34	1	5	3	2	Minor improvements	Fixing URLs	As a user, I can't see anymore not relevant appendixes like "/?6" in the end of the URL in order to have a better user experience.	Not relevant appendixes in the end of the URL anymore listet.	Andreas Singer
35	1	5	8	5	Advanced search	Partial searching	As a user, I can also search for partial strings, in order to have improved search results.	Partial searching is possible.	David Lehmeier
36	1	5	2	2	Documentation	Javadoc	As a developer I can see the Javadoc Documentation in order to document the developed code.	Documentation is written.	Liping Wang
37	1	6	2	2	Basic Dev	Make Desktop site the root site	As an user, I can find the Desktop website in the root in order to get a better user experience.	App site is not anymore the root site. The Desktop site should be the root site now.	Andreas Singer
38	1	6	5	5	DB Dev	Expansion of DB and DeviceDatabase	As an admin, I can see the enhanced DB in order to have the final state of the DB for development.	There is an existing "Room", "User" and "Hardware" table. All of them have the final size of columns. ## Tables: Room: Side, Room-ID Hardware: rfid id, employee, room, part number, serial number, inventory number, owner, comment HW Metadata: unique id, part number, category, type, manufacturer, platform	David Lehmeier, Andreas Singer
39	1	6	5	5	Memory Dev	Searching in memory	As an user, I can search many times and only one time the DB will be accessed in order to get a better performance.	DB will not be accessed each time.	Andreas Singer

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible team member/s
40	1	6	2	2	HW MGMT	Advanced search field	As an user, I can search for different meta data in order to find HW quickly.	On the website the user can search for different criteria (manufacturer, type, platform, room, inventory number) to find a specific HW device. As a result only the matching records are visible. The user can discard the search and will then be able to see all records again.	Andreas Singer
41	1	6	1	2	Admin Dev	Admin sub menu	As an admin, I can see the sub menu in the admin part of the website in order to get a better user experience.	Sub menu for the admin exists.	David Lehmeier
42	1	6	3	3	Admin Room MGMT	Admin page "Room MGMT"	As an admin, I can open a page in order to have an overview of the existing rooms.	A page "room MGMT" can be accessed by an admin. On this page all locations are listed. The attributes for every location are Room-ID and Side.	Liping Wang
43	1	6	3	3	Admin HW MGMT	Admin page "HW MGMT"	As an admin, I can open a page in order to have an overview of the existing HW.	A page "HW MGMT" can be accessed by an admin. On this page all of the HW and metadata is listed.	Andreas Singer

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible team member/s
44	1	6	5	5	Admin Room MGMT	Editing/deleting rooms	As an admin, I can update and delete the different rooms in order to have the current state of the DB.	For every location there is an "edit" and a "delete" button in the same line. If the admin clicks on the "delete" button he has to approve the deleting again. The deleting function for the Admin HW MGMT is automatocally implemented, too.If the admin clicks on the "edit" button he will be forwarded to another page where he can edit Room-ID and Side. All fields have to be filled, so they are required. A save button has to be implemented as well. A link back to the page "Room MGMT" is needed. If the user clicks on this link, the new location can be seen in the list.	Liping Wang, Andreas Singer
45	2	7	2	2	Admin Room MGMT	Advanced rooms editing	As an admin, I can edit a room and afterwards will be forwarded to the main list in order to improve the user experience.	If the user clicks on the save button s/he will automatically forwarded to the main list and a message "data was saved" or similar can be seen. In order to avoid a doubled entry, the user will see a message that this data already exists in the DB. S/he can then decide whether to overwrite the existing data or create a new one.	Liping Wang, Andreas Singer

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible team member/s
46	2	7	3	3	Admin Room MGMT	Adding rooms	As an admin, I can add rooms in order to have the current state of the DB.	An add button can be found above the list of rooms. If the admin clicks on this button he will be forwarded to another page (same page like in feature "editing rooms") where he can edit Room-ID and Side. A save button has to be implemented as well. If the user clicks on the save button s/he will automatically forwarded to the main list and a message "data was saved" or similar can be seen. In order to avoid a doubled entry, the user will see a message that this data already exists in the DB. S/he can then decide whether to overwrite the existing data or create a new one.	Liping Wang, Andreas Singer
47	2	7	5	8	Admin HW MGMT	Editing HW	As an admin, I can update the different HW in order to have the current state of the DB.	For every HW there is an "edit" button in the same line. If the admin clicks on the "edit" button he will be forwarded to another page where he can edit different metadata. A save button has to be implemented as well. A link back to the page "room MGMT" is needed. If the user clicks on this link, the new HW information can be seen in the list. If the user clicks on the save button s/he will automatically forwarded to the main list and a message "data was saved" or similar can be seen.	Andreas Singer

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible team member/s
48	2	7	3	1	Admin HW MGMT	Adding HW	As an admin, I can add HW in order to have the current state of the DB.	An add button can be found above the list of HW. If the admin clicks on this button he will be forwarded to another page (same page like in feature "editing HW") where s/he can edit metadata. A save button has to be implemented as well. A link back to the page "HW MGMT" is needed. If the user clicks on this link, the new HW information can be seen in the list.	Andreas Singer
49	2	7	1	1	Admin HW MGMT	Required fields	As an admin, it is required to fill out some of the fields in the HW MGMT in order to have a organized list.	It is not possible to leave the fields "RFID-ID" and "Part Number" blank while adding or editing a HW. If the fields are empty, a message like "Fill in reqired fields 'RFID-ID' and 'Part Number'!" or similar will be seen.	Andreas Singer
50	2	7	2	2	Admin Employee MGMT	Admin page "Employee MGMT" with functions editing, deleting and adding	As an admin, I can open a page "Employee MGMT" in order to have an overview of the existing employees and to update the DB to the current state.	Admin page "Employee MGMT" can be opened to give an overview of all employees. The functions editing, deleting and adding are possible and have the similar functionality as in the "room MGMT". After editing or adding an employee, the user will automatically forwarded to the main list and a message "data was saved" or similar can be seen.	Liping Wang, Andreas Singer

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible team member/s
51	2	7	8	8	Basic Knowledge	Basic knowledge about reader, tablet and RFID tags	As a developer, I know how the tablet, the RFID reader and the RFID-tags work in order to be able to use this hardware with our application.	Developer can answer questions like: 1. Have RFID tags already an unique id or do it have to be implemented? 2. Can the reader easily be installed on the PC without any specific SW from the provider? 3. Can HW easiliy be put together? Problems with different OS? 4. Are the functions of the reader and RFID tags understandable? 5. Is documentary understandable? 6. Can developer work with the tablet, reader and RFID tag?	David Lehmeier
52	2	8	2	3	Admin Location MGMT	Admin page "Location MGMT" with functions editing, deleting and adding	As an admin, I can open a page "Location MGMT" in order to have an overview of the existing locations and to update the DB to the current state.	Admin page "Location MGMT" can be opened to give an overview of all locations. The functions editing, deleting and adding are possible and have the similar functionality as in the "employee MGMT". After editing or adding a location, the user will automatically forwarded to the main list and a message "data was saved" or similar can be seen.	Liping Wang
53	2	8	1	2	Documentation	Documenting Excel columns to DB columns	As an developer, I can see which attributes in the DB refer to which columns in the Ecxel sheet.	It is clear which attributes in the DB refer to which columns in the Excel shet.	David Lehmeier

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible team member/s
54	2	8	3	3	Advanced Knowledge	Advanced knowledge about reader, tablet and RFID tags	As a developer, I know how the tablet, the RFID reader and the RFID-tags work together in order to be able to use this hardware with our application.	Developers know how the reader, tablet and RFID tags work together. E.g. how is the RFID from the tag transfered to the application? This includes getting in touch with the support of the hardware vendor in order to try solving the range problematics (cf. impediments).	David Lehmeier
55	2	8	5	5	Native App	Convert current hybrid app in native app	As a developer, I convert all existing forms into Android pendents, that all the buttons, submenues, etc. are consistent with the Android GUI.	Buttons, submenues, etc. of the current app have to be consistent with the Android GUI and not only be integrated in a website which will be shown. Buttons for example have to be showable and have to work in the Android GUI.	Andreas Singer, (David Lehmeier)
56	2	8	5	5	Native App	Understand code of scanner	As a develeeper, I understand the code of the scanner, so that we are able to work with it.	Developers know how the scanner works and understand the code and functionality of the scanner as well as the API.	Andreas Singer, David Lehmeier
57	2	8	8	8	Native App	Basic Integrate functionality of scanner into app	As developer, we integrate the functionalities of the scanner into the app, in order to make sure, that RFID tag scanning works.	An internal version exists. When the reader is plugged into the tablet, the reader is automatically detected.	Andreas Singer, David Lehmeier, Liping Wang
58	2	9	5	5	Native App	Advanced Integrate functionality of scanner into app	As developer, we integrate the functionalities of the scanner into the app, in order to make sure, that RFID tag scanning works.	Scanning is possible and the app shows all RFID IDs of tagged HW in range.	Andreas Singer, David Lehmeier, Liping Wang
59	2	9	5	5	Native App	Basic Burst mode	As developer, we integrate a functionality into the app, which allows to scan multiple tags in any time frame in order to update multiple DB entries.	During a scan process all tags in range are stored into a list until the "stop scan"-button is pressed.	Andreas Singer

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible team member/s
60	2	9	3	3	Basic Dev	Varibale Type Change	As a developer, I change the type of the variable RFID ID from an Integer into a String, in order to be able to use the IDs of our tags.	All views using RFID IDs are using String instead of Int variables and the RFID ID database column is changed to a Char value while retaining all data.	David Lehmeier, Andreas Singer
61	2	9	5	3	Admin Location MGMT	Integrate "Location" functionality into other lists as dropdown	As an user, I can choose locations from dropdown lists in order to improve the usability.	All locations which are required in the application and on the website can be selected in dropdown lists. A manual entering of locations is not supported anymore.	Liping Wang, Andreas Singer
62	2	9	5	5	Documentation	Starting an overall documentation	As a developer, you have to be sure that the quality of the documentation is appropriate, in order to ensure that our client can enhance and maintenance the program.	A documentation is available in order to understand the source code and to be able to follow the decisions which were made during the project.	David Lehmeier
63	2	10	3	5	Native App	Advanced Burst mode	As developers, we integrate a functionality into the app, which allows to scan multiple tags in any time frame in order to update multiple DB entries at the same time and to improve the monthly stocktacking of our customer.	During a scan process all tags in range are stored into a list until the "stop scan"-button is pressed. After the "stop scan" button was pressed, the scanner stops scanning. The scanning can be restarted by pressing the "start scan" button. A long press on any ID will show a pop up with meta information of the HW from the DB. Pressing save will change all IDs in the list at once.	Andreas Singer
64	2	10	5	5	Bug Fixing	Empty Line	As a developer, I delete the empty line which is shown at the beginning after scanning devices in order to improve the user experience.	The empty line is replaced by the data of the first readed device by the scanner.	Andreas Singer, David Lehmeier, Liping Wang

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible team member/s
65	2	10	3	3	Bug Fixing	Save Button	As a user, I should see the save button greyed out again after deselecting all devices in the app's live-list of scanned tags in order to improve the user experience.	If I deselect RFID Tags on the app surface the "save" button doesn´t work anymore. The button is grey again.	Andreas Singer, David Lehmeier, Liping Wang
66	2	10	3	3	App MGMT	Status Message for new IDs	As an user, I get notified if entries in the app's live-list of scanned IDs are not yet in the database, in order to let an admin add them to the databse together with their meta data and to avoid abuse or changes of data by non-admins.	After pressing the "save" button, a status message in the app shows if there are any RFID IDs that were not found in the database and that therefore were not added/updated.	Andreas Singer, David Lehmeier, Liping Wang
67	2	10	8	8	Usability	Basic Static Header	As an user, I always can see the headers in order to improve the user experience.	The headers in the main HW list are static. If the users scrolls down the page, the headers remain at the same position.	David Lehmeier
68	2	10	3	3	Documentation	Improving docur	As a developer, you have to be sure that the quality of the documentation is appropriate in order to ensure that our client can enhance and maintenance the program properly.	A documentation is available in order to understand the source code and to be able to follow the decisions which were made during the project.	Liping Wang
69	2	10	1	1	App View	Removing App View	As a developer, I remove the old web app view on the desktop version because the app on the tablet is working now and the web app is not needed anymore.	The old web app is removed because the app on the tablet is working now.	Andreas Singer

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible team member/s

Sprint	Comments	Status			
1	Problems and a huge amount of open questions with actual task appered.	Can be clarified because of a meeting with EB at their offices.			
1	Project start was difficult because of the different background of all team members.	Meetings helped to overcome this problem and communication problems could be solved.			
2	Java 6 and Tomcat 6 should now be used (message from sunday), but SD's already used v7 which made it extra effort to change this.	Everything is now changed and works with Java/Tomcat 6 but it was still extra effort we put in.			
2	Still no hardware is available yet (scanner & tags).	Solved. HW is available.			
3	There were some problems with jUnit. It was hard to understand and to write test cases.	Solved through teamwork/talking.			
3	Developer build features which were not required for this sprint. They did this because of their intense motivation.	Release Plan/Backlogs/Archives updated. Lessons learned: Talked about it.			
4	Developers who handed features in do not match with the reponsibility allocation from the sprint planning.	We will plan things more carefully starting with sprint 05. We will also change the responsibility in the feature archive, depending on who did it in the end.			
4	Troubles to fit AMOS workload into the week, because of work spikes from other lectures.	Other team members can help out and do more, while evening it out in another sprint.			
4	Since we the last group our feedback only comes on tuesday afternoon. Due to that it's impossible (most of the time) to already abide by the feedback for the next sprint release on friday but only for the sprint after that.	Talked with Hannes about that. He is aware of it and everybody will get the feedback at the same time.			
5	Liping would like to do more tasks in the next sprint.	Liping will get more tasks.			
5	It is difficult to decide which developer will be responsible for which feature in the sprint meeting because of knowledge and time issues.	Responsibilities will be added in the Feature Archive if it is not possible to decide these before.			
6	No Problems :)	No problems can not be solved ;)			
7	The hardware doesn't allow us to use our current implementation in a hybrid app approach. Therefore, we have to rewrite our app into a fully native app.	Nothing we can do to solve this, other than moving on.			
8	One of the DEVs was impeded due to a cold.	He managed to complete his feature anyway.			
8	Hardware is underperforming. The range is only around 2-4 cm instead of the promised 30-40.	We will contact the support of the vendor and try to figure it out with them. In the end we now have to accept it and work with the scenario.			

Sprint	Comments	Status	 	 	
9	The range of the hardware is that low because of the specifications of our demo tags. Communication with Martin / HW vendor took a lot of time. The question was whether to go on with the tags we have right now, buy new ones or even switch to a new, more powerful reader using another architecture.	We decided to go on with the current tags because of time issues. The software we develop can also be used with other tags. Therefore Martin and his company could buy new ones after the project.			
10	Because we only have one RFID reader and one developer has the most knowledge about app development, we decided to let him lead the app development. However, at the moment most features are about app development and therefore it is hard to equally split the features between all developers.	The developers decided to meet frequently in order to work on the app features together as well as to share knowledge, ideas, and pairs of eyes for finding bugs. This enables the team to share the tasks in the best possible way and to use the reader together.			
11	In order to meet the expectations of our customer it is important to meet him soon and clarify open questions.	Meeting with customer was arranged spontaneously and open questions could be clarified. Due to this and time restrictions for the overall project, we had to change half of the features in this week's sprint backlog, though			
12					
13					

Sprint	Scrum Master	Review & Release Manager				
1	Jana Riechert	*(Not needed because only organiztional tasks were fulfilled.)*				
2	Kerstin Stern	Liping Wang				
3	Andreas Lutz	David Lehmeier				
4	David Lehmeier	Andreas Singer				
5	Andreas Singer	Liping Wang				
6	Liping Wang	David Lehmeier				
7	Jana Riechert	Andreas Singer				
8	Kerstin Stern	Liping Wang				
9	Andreas Lutz	David Lehmeier				
10	Jana Riechert	Andreas Singer				
11	Kerstin Stern	Liping Wang				
12	Andreas Lutz	David Lehmeier				
13	Jana Riechert	Andreas Singer				

1	Add licenses to the documentation, explain point 4.3.2 of your document in a few words, add version number for software, library, etc. we use (Feauture 68)	Sprint 11
2	Our customer needs the original data of the documentation (word-documents). We can share the documents on Google or SourceForge or send it via email (Feature 79)	Sprint 12
3	Find a way how our app can be presented at the final release (Feauture 84)	Sprint 12

Shortcut	Full-length
Admin	Only s/he can change/update/add/delete data in the DB.
APK	Android application package
Documentation QA	Documentation Quality Assurance
DB	Database
Dev	Developer
DL link	Download link
HW	Hardware
Hybrid App	Mixture of native and web app.
ID	Identification Number
MGMT	Management
Native App	Native application. A native app is an app for a certain mobile device (smartphone, tablet, etc.). They're installed directly onto the device.
RFID	Radio-frequency identification
SW	Software
User	Can use the app for searching for a HW device.
User XP	User Experience
VM	Virtual Machine
Web App	Web Application. An internet-enabled app that has specific functionality for mobile devices. These apps are accessed through the mobile device's web browser and they don't need to be downloaded and installed on the device.