

# Hospital Wound Management - Administrative

<b>This Doc</b>	<a href="https://docs.google.com/spreadsheet/ccc?key=0AidJ1kQ60b1wdF9SdmtPTzhQWV85SUs5Y2w0STU1enc&amp;usp=sharing">https://docs.google.com/spreadsheet/ccc?key=0AidJ1kQ60b1wdF9SdmtPTzhQWV85SUs5Y2w0STU1enc&amp;usp=sharing</a>
<b>Live Service</b>	under construction
<b>Code repository</b>	<a href="https://github.com/fau-amos-2014-team-2/root">https://github.com/fau-amos-2014-team-2/root</a>
<b>Additional materials</b>	storyboard and Anforderungen.pdf

## **Hospital Wound Management - Product Vision**

The Hospital Wound Management Project will enable a much more convenient management of patients' wounds. Tablets running on multiple platforms (iOS, Android, Windows phone) will give a full graphical overview of a patient's wounds including wound histories and already healed wounds. This simplifies treatment and (medical) care of the wounds and prevents errors as the data is directly accessible. The documentation of wounds in a hospital will increase in efficiency by not requiring the management and archiving of big amounts of paper.

Hospital Wound Management - Release Plan						
Release	1.0					
No Sprints	6					
Due Date	28.05.14					
Sprint #	Theme	User Stories	Est. Size	Real Size	Burn-Down	Dev Speed
1	Research Frameworks	-	0	0	180	0
2	Infrastructure/Database/GUI elements	1-4, 5, 7, 8, 9	24	31	180	16
3	Infrastructure/Database/GUI elements	6, 10, 11, 12, 14, 15, 27, 28	35	42	149	24
4	Infrastructure/Database/GUI elements	13, 16, 17, 20, 23, 25, 29, 30, 31	36	36	107	27
5	GUI integration/Database Integration	18, 19, 21, 22, 24, 32, 33, 36-41	31	34	71	29
6	GUI/Infrastructure/DB ready/PhoneGAP	34, 35, 42, 45, 47, 48, 51, 52, 53				
7	Integration/PhoneGAP					
Total			126	143	0	28.6
Release	1.1					
No Sprints	6					
Due Date	09.07.14					
Sprint #	Theme	User Stories	Est. Size	Real Size	Burn-Down	
7	Offline Overview\Bugs\GUI				180	
8	Offline\GUI					
9	Bugs\Offline\GUI					
10	Offline\Optimization for Tablets					
11	Security\Optimization for Tablets					
12	Security\Optimization for Tablets					
13	Testing\fix last Bug					
Total			0	0		

# Hospital Wound Management - Product Backlog

#	Size	Category	Short Name	Item Description	Acceptance Criteria	Responsible
34		GUI	Wound healed	As a User, I want to mark a wound as healed. No new wound descriptions can be added.	*A selected wound can be merked as healed. *User is questioned if it really is healed. *A healed wound cant get another wound description.	
35		GUI	see healed wounds	As a User, I want to select whether I see healed wounds or not.	*A fitting selection method has been implemented. *It is possible to switch modes to see all wounds or only new wounds.	
42		GUI	show healed wounds option	As a User, I want to have the option to also see the healed wounds. (Patient Screen)	*Button has been added. * Using the Button has the conequence of showing ALL wounds.	
45		Infra/Security	password hashing	As a developer, i want to save the PINs hashed and salted.	* Only the salted password hash is saved in the database. * Login is still possible.	
47		Infrastructure	Usage of Camera	As a User, i want to be able to use the camera of a tablet to document a wound.	[Android, iOS, NOT Windows] * In the 'add wound description' dialog, the User can choose to add a camera picture. *After choosing this option, the camer app opens. *After taking the picture, it is stored in the DB. * In Windows, the user is informed, that he can only use stored pictures.	

# Hospital Wound Management - Product Backlog

#	Size	Category	Short Name	Item Description	Acceptance Criteria	Responsible
48		Infrastructure	Usage of pictures	As a User, i want to be able to use pictures from the storage to document a wound.	[Android, iOS, Windows] * In the 'add wound description' dialog, the User can choose to add a stored picture to the wound description (Android, iOS, Windows). * The picture can be selected in a file browser. * Afterwards, the picture will be stored in the Database.	
51		Infrastructure/GUI	Settings Menu	As a user, i want to have a settings option with the device's menu button. There, I want to change the DB server and the language.	*After pressing the Menu button, a setting dialog is opened. *In the settings dialogue, the language and server address can be changed.	
52		GUI	LoginPhoto	As a User, i want to see a picture of myself before logging in.	*A Photo of the selected employee is shown before and while the PIN is being entered.	
53		GUI	Mark wounded patients	As a User, I want to see which patients are wounded and which are not wounded	*There are little medic bags shown next to wounded patient. *Wounded patients are ordered on top of healthy ones.	
54		[BUG]	wounds get more	As a Developer, i dont want that something (not the User) automatically creates new wounds, so that i can see the real data.	* No more fake data is entered without explicit interaction from a Developer.	
55		GUI	wound size	As a User, I only want to enter one wound size, if the wound is a circle, so that i am faster.	*If the User enters only one wound size, it is taken as the diameter and saved as length AND width.	
56		GUI	delete who entered the wound	As a User, no other user can enter wound data in my name, so that a minimum of security is guaranteed.	* The logged in user creates the wound. * He does not have the possibility to change this.	

# Hospital Wound Management - Product Backlog

#	Size	Category	Short Name	Item Description	Acceptance Criteria	Responsible
57		GUI	bigger 'Bemerkung' field	As a User I want to enter long notes into the 'Bemerkung field', for ease of use.	* The field is big enough for most notes and scales if needed.	
58		GUI	use Arial	As a user, i want to see Arial as a character set, so that I can read really fast.	* Arial is selected as a character set for the whole project.	
59		GUI	Wound description	As a User, I want to have the possibility to get more information about a wound then shown in the patient graphic and listed in the wound data next to the picture. Therefore I would like to click on a wound description (there can be more than one in a wound history) and see the information. Through this view the User can gain more detailed information about a wound.	* After clicking on the wound description, the User can read the provided information in a list (see Template/DB in requirements). The information should be scrollable if too much for one page.	
		EPIC		offline-capability		
		EPIC		ALERT SYSTEM		
26			login/drop-down			

## Hospital Wound Management - Sprint Backlog

#	Rel.	Size	Category	Short Name	Item Description	Acceptance Criteria	Responsible
22		5	GUI	wound documentation (2nd step)	In a second step the User wants to allocate the position of the wound in the graphic of the patient, so that the User can select the location really fast. Attention: After the data is saved, it cannot be changed anymore;	*Allocate wound in graphic (touch) -> wound allocation is shown for the patient. * Male/Female/Unknown is possible.	Ruben
24		3	DB	db-passwd	As a developer, i want to access the DB via web, so that using PhoneGAP is possible.	*A DB can be accessed via the server provided by the OSS-Chair. * A Method to use the DB with our git project is provided. (Password is not checked in to our repository.)	Stefan
40		8	Infrastructure	Fill skeleton	As a developer, i want our PhoneGAP app skeleton to contain our already implemented features, so that PhoneGAP build can be used.	* App skeleton contains our implemented logic. * Skeleton compiles with PhoneGAP Build. * Documentation on how to get our Data into the Skeleton.	Stefan
43		3	GUI	Header\Footer	As a developer, i want to get an icon into the footer, so that it displays information about the develop group company or hospital in the app.	A Develop-Group icon is added to the footer. (or some other icon) * The icon will be stored in a resources folder	Ruben
44		3	GUI	Headertext	As a User, i want my name and current station shown in the header, so that it is clearly shown, which User is currently logged in.	* The header contains the User's name and current station. * Default Value: shows the current active ward.	Ruben

## Hospital Wound Management - Sprint Backlog

#	Rel.	Size	Category	Short Name	Item Description	Acceptance Criteria	Responsible
46		5	GUI	wound descriptions	As a User, I want to add new wound descriptions (possibly with a new picture), so that detailed information can be entered at different times. After the data is saved, it cannot be changed anymore;	*New wound descriptions can be added in the wound data screen. * See the DB-layout for more the information formats. * After saving, descriptions cant be changed anymore.	Simon
49		5	Infrastructure	Languages	As a User, i want to switch between languages easily, so that I always see the app in my native language.	*All language strings are stored in a seperate (.xml?) file or a class file and are accessible for development. * Two language files already exist: an english and a german version.	Jenny
50		3	GUI	Wound descriptions show + sorting	As a user, i want my wound descriptions ordered by the time of entry into the system, so that I can see how the wound is healing.	* Wound descriptions are ordered accordingly. * Newest on top.* 'Add Wound' Button exists. * On click\touch: Wound description is shown.	Simon
54		1	Documentation	Tutorial	As a developer, i want a README.txt on how to set up the project easily, so that I need less time to do so.	*Step-By-Step guide on how to set up the project on Linux. * Hint: Re-Use old documents if suited for this purpose.	Simon
55		3		Story Board	As a developer, i want a updated storyboard, so that coherent understanding and naming of our views is guaranteed.	*Storyboard is updated. * Use the Anforderungen.pdf for reference. * All views are named. * Names are Unique. * Use A-Z, a-z, 0-9, _ for naming.	Ruben
56		5		Refactor Classnames	As a developer, I want our classes to be named according to our storyboard, so that coherent understanding and naming of our views is guaranteed.	* The Views' classes have names according to our storyboard.	Eugen



## Hospital Wound Management - Sprint Backlog

#	Rel.	Size	Category	Short Name	Item Description	Acceptance Criteria	Responsible
57		3		PIN view	As a User, I want to log in using a numeric PIN field, so that I can log in really fast.	* After selecting a User, a numeric PIN field is shown, which allows the User to log on with his PIN.	Eugen
58		5		Validation feedback for new wound	In case, the User does not fill in a field while creating new wound data, there should pop up a warning that the User has to give the missing information so that every wound information is complete.	In case of missing information, the User is informed about it precisely. Without complete information (filling in all required fields) the User is not able to save the wound data.	Jenny

## Hospital Wound Management - Feature Archive

#	Rel.	Sprint	Est. Size	Real Size	Category	Short Name	Item Description	Acceptance Criteria	Responsible
1		2	5	8		Toolchain Vaadin	As a developer, i want a working Toolchain to compile a Vaadin project	Win7 Toolchain which compiles a simple „Hello World“ for Vaadin.	
2		2	5	8		Toolchain mGWT	As a developer, i want a working Toolchain to compile a mGWT project	Win7 Toolchain which compiles a simple „Hello World“ for mGWT.	
3		2	1	2		Doku Toolchain Vaadin	As a developer, i want a documentation about how to set up a Vaadin Toolchain	Step-by-Step documentation on how to set up a Win7 Vaadin Toolchain	
4		2	1	2		Doku Toolchain mGWT	As a developer, i want a documentation about how to set up a mGWT Toolchain	Step-by-Step documentation on how to set up a Win7 mGWT Toolchain	
5		2	3	3	Research	DB-Backend Compatibility	As a developer, i want to know which DB-Backends are compatible with our toolkits.	List of compatible Databases	
7		2	3	2	Research	GUI Contents	As a developer, i want to know how much functionality the GUIs of our frameworks have in comparison.	Document with a general comparison.	
8		2	3	3	Research	GUI native feeling	As a developer i want to know how native the toolkits' GUIs feel on the devices.	collect some studies concerning native gui feeling with the frameworks + give overview over them	
9		2	3	3	Research	Offline-Capabilities	As a developer/product owner/industry partner, i want to know how much offline capabilities the toolkits have.	overview concerning the offline capabilities	

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#	Rel.	Sprint	Est. Size	Real Size	Category	Short Name	Item Description	Acceptance Criteria	Responsible
6		3	2	3	Research	PhoneGap Build - Process Comparison	As a developer, i want to know, whether it is possible to use the PhoneGap Build process with our frameworks.	Document, why it is not possible to integrate the PhoneGap Build/ how to integrate/costs.	
10		3	3	5	Infrastructure	Integrate PhoneGap - Win8	As a developer, i want to use PhoneGap.	PhoneGap is integrated to project; Win8 are releaseable	
27		3	3	5	Infrastructure	Integrate PhoneGap - Android	As a developer, i want to use PhoneGap.	PhoneGap is integrated to project; Android are releaseable	
28		3	3	5	Infrastructure	Integrate PhoneGap - iOS	As a developer, i want to use PhoneGap.	PhoneGap is integrated to project; iOS are releaseable	
11		3	8	8	Infrastructure/GUI	Develop-Screen	As a Developer, i want to link to my GUI elements from a 'central' element. Integration of other UI components.	A element with linking capabilities to the other GUI elements has been created. (The provided template has been adjusted accordingly). Code with comments.	Stefan
12		3	8	8	Database	DB-Backend	As a developer, i want to be able to access a local DB.	Database + Wrapper implemented -> provide data for patient selection	
14		3	5	5	GUI	lock\Unlock	As a User, i want to be able to log on, using a 4 number pin code and log off.	Login screen with a unlock function. Logout function stub.	
15		3	3	3	GUI	Select Patient	As a User, i want to select different patients	See a list with patients and be able to select a patient. -> stub link to patient picture	
13		4	3	3	GUI	Picture	As a User, i want to see a schematic picture af a patient.	See the schematic picture of a patient	Ruben

# Hospital Wound Management - Feature Archive

#	Rel.	Sprint	Est. Size	Real Size	Category	Short Name	Item Description	Acceptance Criteria	Responsible
29		4	8	8	Infrastructure	Vaadin and Phonegap	As a developer, i want to have a Project structure that uses both Vaadin and PhoneGAP.	Documentation of project structure. A compiling project structure (1+ platforms).	Eugen
23		4	2	3	Research	Camera	As a developer, i want to use the Camera without PhoneGAP	simple code that takes a picture\reason why you cant do it without PhoneGAP.	Jenny
25		4	2	2	DB	db-dokumentation	As a developer, i want to know, how to set up a local DB.	A step-by-step guide on how to set up a working local DB.	Stefan
30		4	5	5	DB/infrastructure	db integration	As a developer, i want to acces the provided DB.	The full functionality of the provided DB can be accessed via java.	Stefan
31		4	3	5	Infrastructure	storyboard	As a developer, i want to see the big picture of our application and where my new view has to link to.	A nice storyboard, with all the links between the views.	Ruben
16		4	2	2	GUI	change PIN	As a User, i want to be able to change my pin.	If a user is logged in, he can change his PIN	Jenny
17		4	3	3	GUI	User Account Management	As a User, i want to select my User account.	Added User Account Management list.	Simon
20		4	8	5	GUI	See graphic	As a User, I want to see the positions of the wounds in a graphic of the human body	Choose a patient -> get the graphic of a human body with the exact positions of the actual wounds of this person	Ruben
18		5	5	3	GUI/View Technisch schon vorhanden	Select ward	As a User, I want to have the option to select the ward before selecting the patient	See a list of wards and be able to select one/all -> see a list of patients + adapt employee's station	Simon
19		5	5	3	GUI	Select wound	As a User I want to get more information about a wound: coverage date, type, size, etc.	get information about wound listed	Jenny

## Hospital Wound Management - Feature Archive

#	Rel.	Sprint	Est. Size	Real Size	Category	Short Name	Item Description	Acceptance Criteria	Responsible
21		5	5	5	GUI	wound documentation (1st step)	As a User, I want to document new wounds. As a first step the wound data have to be documented; After the data is saved, it cannot be changed anymore;	document wound data -> a new wound is listed	Jenny
32		5	1	1	Infrastructure	Git Ignore	As a developer, i dont want to see the /target folder being uploaded.	.gitignore file has been adjusted accordingly.	Ruben
33		5	3	3	DB/GUI	Only show patient for the current ward	As a User, i want to select my current station and only see my current patients [patient selection screen]	User can select his station and then sees only patients from this station. default value 'ALL' exists.	Eugen
36		5	5	13	Infrastructure	clickable patient graphics	As a developer, I want to access the patient graphic through several positions	Every part of the patient graphic, where a wound can be drawn in should have a position to access. As there exist 77 wound positions in the DB, they all should be accessible.	Ruben
37		5	3	3	Infrastructure	restore last ward	As a User, I want to be logged in with the ward i selected most recently.	After logging in, the user is logged in into his most recently selected ward. If he has not been logged in, it is his default working ward, or if nonexistent 'ALL'.	Simon
38		5	1	1	Infrastructure	update storyboard	As a team, we want our most recent decisions shown in our storyboard	storyboard is updated.	Ruben
39		5	2	1	Infrastructure	App skeleton	As a developer, i want to have a new folderstructure, which is compatible with PhoneGAP.	App skeleton has been created.	Eugen

## Hospital Wound Management - Feature Archive

#	Rel.	Sprint	Est. Size	Real Size	Category	Short Name	Item Description	Acceptance Criteria	Responsible
41		5	1	1	[BUG] GUI	Fix Bug (numberformat exception) in Change Pin	As a User, I want to change my PIN-Code; This function is already possible, but there is still a numberformat exception in the background.	After taking care of the bug, the exception should not be shown anymore	Jenny

Hospital Wound Management - Impediments Backlog			
Name	Explanation	Solution	
Deadlines	too late checkouts	The deadlines are strict. On Sunday, even if nothing has been done yet, this is to be entered in Sun. feedback. Always upload to GIT if ready.	
iOS licence	iOS licence needed	SCRUM master will organize one	
VS-licence	VS-licence needed	postponed until it is clear, which licence we do need	
Communication 1	SDs wish to have more communication	Additional Meeting-Time for SDs via Skype	
Communication 2	SDs wish to have a faster communication platform	Faster communication channel for SDs through a Facebook Group	

Hospital Wound Management - Manager			
Week	Scrum Master	Review&Release Manager	
1	Leonhard Hösch	Leonhard Hösch	
2	Jenny Kane	Jenny Kane	
3	Stefan Betz	Stefan Betz	
4	Sabine Aschenbrenner	Simon Jordan	
5	Leonhard Hösch	Eugen Ananin	
6	<b>Sabine Aschenbrenner</b>	<b>Ruben Larisch</b>	
7	Leonhard Hösch	Jenny Kane	
8	Sabine Aschenbrenner	Stefan Betz	
9	Leonhard Hösch	Simon Jordan	
10	Sabine Aschenbrenner	Eugen Ananin	
11	Leonhard Hösch	Ruben Larisch	
12	Sabine Aschenbrenner		
13			



# Hospital Wound Management - Product Glossary

Term	Definition
. * screen	The screens are to be taken from our storyboard.
. * view	Please refer to our storyboard.
DB	[Abbreviation] database
Footer	The gray area on ton the bottom of the screen.
Header	The gray area on top of the screen.
Login screen	Screen, where the User can login with a personal 4 digit password.
Patient graphic	Graphical picture of a patient from the front and the back plus graphics of the feet from two positions. Three types of patient graphic exist: Woman, Man, Neutrum
Patient selection	Menu with names of patients, where the User can select a specific patient.
Patient view	After choosing a patient, the patient view shows the patient graphic and the wound data
Ward	A ward contains several patients, a patient can only be in one ward at a time
Wound	A wound has several characteristics (defined via our DB-layout) and 1 or more wound descriptions
Wound data	The wound characteristics from our DB.
Wound description	A wound description contains a text and the other characteristics described in the DB-layout. Furthermore it can contain a picture.
Wound position	One of 77 positions, where a wound can be drawn into the patient graphic