This Doc:	http://goo.gl/tlCaX
Live Service:	http://proj1.ss13.osramos.de/
Code repository:	https://github.com/alexander-informatik/amos-project-audi
Document drive:	http://goo.gl/6VU1a

Audi - Productive Games Vision

The productive game MyFirstDay supports AUDI AG with their orientation process for new employees. It helps new employees to become acquainted with infrastructure, facilities and colleagues, to learn different general facts and to get to know the processes and organization of AUDI AG. A senior employee will have the opportunity to create different tasks for the trainee, who will then be guided through the working area by a web application (using GPS) on his mobile device.The objective of the project is to create a working prototype that can be used by AUDI AG to estimate the value of productive games for their company.

Release	1.0.					
No. Sprints	6					
Due Date	30.5.2013					

Sprint #	Due date	Theme	User Stories	Est. Effort	Real Effort	Burn-Down
1	25.4	Organizational + Technical set-up	1,2,3	18	18	134
2	2.5	Login + Welcome screen	4,5,6,7,8,9	24	28	110
3	9.5	Admin creation + DB creation + Creating basic task	10,11,12,13,14	29	32	81
4	16.5	Data privacy + Task details	15,16,17,18,19,f1,f2	22	22	59
5	23.5	Change to Spring + Task details	20,21,22,23,24,25,26,27	30	38	29
6	30.5	Basic Navigation Part 1 + Task details	28,29,30,31	29	21	0
Total	Due date			**152**	**159**	

Release	2.0.					
No. Sprints	7					
Due Date	17.07.2013					

Sprint #		Theme	User Stories	Est. Effort	Real Effort	Burn-Down
7	6.6	Task details fix + layout	32,33,34,35.1-4,36.1,f3	24	27	132
8	13.6	Mobile compatibility + Basic Navigation part 2 + Senior task list	36.2,44,80,f4,f5,51,54,80,81,83	26	23	106
9	20.6	Task details + Route	38,39,55,56,59,82,83,86	26	22	80
10	27.6	Task details	84,91,40,f6,f7	15	15	65
11	4.7	Navigation, Route, Layout	85,37,110,112.1,113,f8	18	23	47
12	11.7	Navigation, Layout	120,121,122,f9,112.2,114,f11, f12,f13,f14,119,17.2	23		24
13	17.7	Stabilisation	?, ?, ?, ?	24		0
Total				**156**	**110**	

No.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Comment			
87	5	Object creation	Create object	As a senior I need the opportunity to create an object by defining a name and uploading a file (txt or pdf format)) in order to be able to (re)use it for creating a task.	A senior can can create an object by uploading a file and giving the object a name. This object is then stored in the DB.				
41	3	Task creation	Add object	As a senior I need the opportunity to add an object to a specific task in order to tell the trainee if he/she needs to take/read/get a document.	As a senior I have the opportunity to include an object in a task when creating it.				
fix 10 (f10)	2	User creation	Role	As an admin, I am able to select the role of a user I create out of a dropdown menu containing the options Senior and Trainee in order to be prevented from writing in a non existent role.	When creating a new user, the admin can select the role of the user out of a dropdown menu containing the options Senior and Trainee instead of freely typing in a role.				
115	2	Task creation	Completion question	As a senior I need the opportunity to define a question, for which the completion password is the answer, in order to tell the trainee what he/she needs to find out.	A senior can not only type in a completion password but also the respective question when creating a task.	Alex			
116	2	Task completion	See completion question	As a trainee I need the opportunity to see the completion question the senior defined in order to know what I need to find out in order to be able to type in the completion password at the end of the task.	In the details of a task and at the end of the task, a trainee sees the question he/she needs to answer for typing in the completion password.	Alex			
117	3	Task creation	Input help	As a senior when creating a task I see some descriptions for every field I have to fill out in order to know what exactly I should put in there.	When creating a task and clicking in one of the fields, a senior sees some information about the field and what information should be put in.				
118	3	Layout	Unfinished Features	All menu buttons of features, which are not implemented yet, need to be deleted in order to not confuse the user.	All menu buttons, which lead to features not yet implemented are deleted.	Sprint 13 - Sascha			
102	3	Route creation	Set subroute on foot/shuttle bus	As a senior, when creating a route, I can define for parts of the route (between walkthrough points) if this part of the route should be done by foot or by shuttle bus in order to let the trainee know what to do.	A senior can choose for all parts of the route, if they should be done by foot or by shuttle bus. This information is then stored in the DB together with the route.				
103	2	Navigation	Show on foot/shuttle bus	As a trainee I need to see which parts of the route should be completed by shuttle bus and which on foot in order to know what to do.	When a trainee sees the route, he also sees which parts of it should be done by foot and which via shuttle bus				
95	3	Route creation	Create route using PGS coordinates	As a senior I need the opportunity to create a route by typing in the GPS coordinates of the starting point, the destination and as many walkthrough points as I want in order to save it for using it in the game.	A senior can create a route by typing in the GPS coordinates of all points (start, destination, as many walkthrough points as wished). The route is then stored in the DB.				
52	5	POI creation	Create POI/radius	As a senior, I am able to define a point of interest by giving it a name, a description and a GPS coordinate in order to save information about this position, which the trainee should receive.	As a senior I am able to create a point of interest and give it a name, a description, GPS coordinates.				
53	5	Route creation	Record a route	As a senior, I need the opportunity to record a route and define several destinations within this route (start recording, save GPS coordinates at a position, stop recording) while walking it in order to save it for using it in the game.	A senior can record a route while walking it and deciding which GPS coordinates to save. The recorded route is stored in the DB				
89	2	Route overview	Delete route	As a senior I need the opportunity to delete a route out of the ones I have already created in order to make sure it is not used anymore if it is not suitable anymore (e.g. path is blocked)	As a senior I can delete a route out of the ones that I have already created. It is then deleted from the DB.				

No.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Comment			
111	3	Task creation	Select person to meet	As a senior I need to be able to select a person to meet from a drop down list when creating a task (in addition to have to option to type in a new one) in order to not having to type it in every time.	As a senior when creating a task, I can select the person to meet from a drop-down list. Every time I type in a new person to meet, this person is stored in the DB and is added to the drop-down list.				
90	2	POI	Upload object to POI	As a senior, I can add an already uploaded object to a POI in order to add additional information to it.	When creating a POI, the senior can add an object.				
92	3	POI	List of POIs	As a senior I need to see all POIs all seniors have created in order to know what are available so far.	A senior sees a list of all POIs that have been created by any of the seniors so far				
98	2	Task creation	Add POI	As a senior I need the opportunity to add as many POIs as I want to a task in order to give the trainee additional information about specific places along his path.	When creating a task, a senior can add as many POIs as he/she wants to a task. These POIs are then stored in connection with the task.				
100	5	Navigation	Showing POI	As a trainee, I need my mobile device to show me the POI information of the POIs that have been added to my task automatically as soon as I reach the POI in order to get the additional information the senior wanted me to have.	When a trainee reaches a POI which has been added to his task, the respective information is shown to him automatically.				
57	3	Task presentation	See complete task to fulfill	As a trainee I need the opportunity to see all elements of a task in order to know where to go, what to do, whom to meet etc.	As a trainee I can see all the elements of an assigned task.				
45	3	Navigation	Navigation features	As a trainee I need the opportunity to start/stop the navigation for a task. Within the navigation I need the opportunity to see the route, my current position and the walking direction in order to know where to go.	As a trainee, I can start/stop the navigation, in wich I see the the correct route to the next destination, my position, and the walking direction.				
60	2	Task	Next task	As a trainee, when I have succesfully completed a task, I can automatically see my next task that is assigned to me in order to know what needs to be done next.	Trainee can automatically see its next task that is assigned to him (if there is no next task, pop-up window will tell me "There are no tasks assigned to you at the moment")				
42	5	Route creation	Creating destination details	As a senior, I can add an (already created) object to the destination of a route in order to give the trainee instructions about how to get to an office within a building etc.	A senior can add an object out of the ones any of the seniors created to the destination of a route. The added object is stored and the senior can see what object he added to the destination.				
47	8	Navigation	Destination point details trainee	As a trainee, I receive the object (e.g. indoor plan for a building) when arriving at the destination for which the senior defined an object, in order to know what to do (e.g. where to go within the building).	As a trainee, I am receive an object when I reach the destination for which the senior defined an object.				
104	1	Task editing	Delete Object from task	As a senior I need to be able to delte an object I have added to a task in order to adjust to changing circumstances.	A senior can delete an Object from a task and this is stored in the DB				
99	2	Task editing	Delete POI from task	As a senior I need the opportunity to delete a POI from a task in order to adjust it to changing circumstances.	A senior can delete a POI from a task he added earlier and this change is stored in the DB.				
96	2	Route creation	Edit route using GPS coordinates	As a senior I need to be able to edit a task by changing the typed in GPS coordinates in order to adjust it to changing circumstances.	A senior can edit a route which was created manually by typing in coordinates. The changes are stored in the DB.				
97	2	Task editing	Delete route	As a senior I need the opportunity to delete a route I have added to a task in order to adjust the task to changing circumstances.	A senior can delete a route from a task. This change is stored in the DB.				
93	2	POI	Edit POI	As a senior I need to be able to edit a POI I have already created in order be able to adjust it to changes.	A senior can edit each of the POIs he has created and the changes are stored in the DB.				

No.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Comment			
67	3	Task list	Create a task list	As a senior, I need to be able to create a list of tasks (max 20) ordered by date/time in order to set a standard "game path".	As a senior I can create a task list with maximum 20 tasks.				
68	2	Task list	Assign task list to a trainee	As a senior, I can assign a task list to one or more trainees in order to define a "game route" for them.	As a senior I can assign a task to one or more trainees and then this list is shown to them as a to-do-list.				
106	2	Object	Object overview	As a senior I need the opportunity to see a list of all object that have been created in order to know what has been done so far.	A senior can see a list of all objects created				
107	1	Object	Edit object	As a senior I need to be able to edit an object I have created in order to adjust to changing circumstances	A senior can edit an object he has created				
108	1	Object	Delete Object from task	As a senior I need to be able to delete an object in order to make sure it is not used anymore if its not suitable anymore.	A senior can delete an object he has created				
88	3	Route overview	Route list	As a senior I need the opportunity to see all the routes any of the seniors have created so far in order to have an overview over what I have already done.	As a senior I can see a list of all created routes (by all seniors).				
101	2	Task list	Task list overview	As a senior I need the opportunity to see all task lists I have created in order to know what I have done so far.	A senior can see all task lists he has created so far.				
94	2	POI	Delete POI	As a senior I need to be able to delete a POI I have created if it is not suitable anymore in order to prevent using it anymore.	A senior can delete each of the POIs he has created. The POI is then deleted from the DB.				
49	2	Dashboard	Back button	As a user, I can go back to the previous page in order to navigate myself through the application.	As a user, I can see and click on a Back button. When I click on this button I am forwarded to the last page opened.				
50	2	Dashboard	Navigation bar	As a user I need the opportunity (button) to get to the navigation bar in order to switch to another page (e.g. when I view the task list and want to go to creating a new task).	As a user I can see and click on a navigation bar button. When I click on this button I am forwarded to my respective (senior, trainee, admin) navigation bar.				
62	3	Navigation	Counter	For each route stored in the database, there is a counter which registers how often this particular route is being used in order to indentify popular routes	Each time, a particular route is being used, this is being registered by a counter and stored in the data base.				
63	3	Navigation	Counter - summary	As an admin, I am able to see a table with all routes saved in the history (starting and finishing destination, distance, no of times being used, evaluation) in order to get an overview over popular and important routes.	As a admin, I can see a table with all routes saved in history with their starting and finishing destination, the distance, the number of times being used and the evaluation given by trainees.				
105	2	Progress overview	Trainee overview	As a senior I need to be able to see a list of all trainees in order to have an overview.	A senior can see al list of all trianees.				
65	5	Progress overview	Trainee progress - senior view	As a senior, I can see a graphical progress of completed/not completed tasks, that I have assigned to trainees in order to monitor what they have already done.	(graphical features will be described later)				
66	5	Progress overview	Trainee progress - trainee view	As a trainee I can see a graphical progress of completed/not completed tasks that have been assigned to me in order to know how far I have come.	(graphical features will be described later)				
69	3	Task list	Order of tasks	As a senior, I can change an order of assigned tasks to one trainee in order to tell the trainee in which order to fulfill the tasks if not by date/time.	As a senior when I change the order of tasks assigned to a trainee, he will get them in a different order				
70	3	Task list	Delete task list	As a senior, I am able to delete a task list that I have created in order to take it our of the game if this task is not suitable anymore.	A task list which was deleted by a senior and was assigned to a trainee is not shown in the seniors or the trainees view anymore.				

No.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Comment			
71	3	Task creation	Create object	As a senior I need the opportunity to upload an object to a specific task in order to tell the trainee if he/she needs to take/read/get a picture/audio/picture (avi, mp3, jpeg format)	As a senior I can include a object (avi, jpeg mp3) in a task while creating a task.				
73		Navigation	Route evaluation	As a trainee, I have to give a feedback when I finish a given route in order to give a feedback to a senior.	As a trainee, when I am at the end of a route, I can give a feedback. The feedback consists of buttons 1 (best) to 5 (worst) and an additional text field for comments.				
74		Progress overview	Inventory	As a trainee, I am able to access every object that I have received in the previous tasks in order to access the information again.	As a trainee I have to opportunity to see all object previously used and can access them again.				
75		Feedback	Feedback Trainee => Senior	As a trainee, I can send a feedback (a message in the application) to my senior about my task in order to tell him how I perceived the task and its importance.	As I trainee I can write a message to the senior who assigned the task to me.				
76		Feedback	Feedback response	As a senior, I am able to read and respond to the feedback a trainee gave me about a task in order to answer to questions etc..	As a senior I can read a message written to me by a trainee and respond to it.				
77		Feedback	Feedback Senior => Trainee	As a senior, I can send a feedback (a message in the application) to my trainee about his task in order to tell him how he did.	As a senior I can write a message to a trainee, who I assigned tasks to.				
109		Feedback	Feedback Trainee	As a trainee I need to be able to see feedback I got from a senior in order to know if I did well.	A trainee can see feeedback given by a senior.				
78		Login	Forgotten password	As a user, I am able to get a new generated password in an e-mail, in order to get access when I forgot my password.	The user can succesfully login with his username and new generated password.				
79		Login	Change password	As a user, I am able to change my password in order to change a given password into	After changing his password, the user can successfully login with his username and the new password.				

No.	Rel.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Assignee		
120	2	5	Navigation	Configurable map	As a SD I need to be able to create a configurable map that can be created with minimum effort on different pages and always looks the same in each implementation of the map. This needs to be done in order for the senior to be able to use it in creating a route and for the trainee to be shown the map.	The map is configurable in a way that it can be created easily on different pages (creating a route for the senior and showing the map for the trainee)	Alex		
121	2	2	Navigation	Browser support	As a user I need to be able to open the application on different browsers with the same behavior in order to not be restricted to one browser.	Application is supported on different browser.	Alex		
122	2	2	Navigation	Usability improvement of map view	As a trainee I need the map to be shown on its own without the other application content in order to not be forced to scroll up and down and zoom in and out again.	The map is shown centralized and on its own and the user does not have to scroll up and down and zoom in and out so much.	Alex		
fix 9 (f9)	2	1	Task completion	Completion password	As a trainee I need the opportunity to mark my task as completed by typing in a completion password set by a senior in order to prove that I have done the task.	A trainee can click on "Complete Task" in the task overview and then sees a field in which he can type in the completion password after completing the task. The task is then marked and saved as completed.	Alex		
112.2	2	2	Layout	Menu	As a user I need the menu (navigation bar on the left hand side) to clearly show all options possible to my role in a self explainatory way.	The menu shows all options for my role according to the graphs created by POs (in German and English language setting). The names of the buttons are self explainatory and e.g. don't contain the word "senior" in every button for the senior. In the senior view, he needs to see "Create new task", "All tasks", "Tasks created by me".	Sascha		
fix 11 (f11)	2	1	Layout	Unnecessary information	Unnecessary information such as the imaginary company name at the bottom right of the application and the quote in the welcome screen should be deleted in order to not confuse the user.	Unneccesary and confusing information (company name, quote) are removed from the application.	Nina		
114	2	1	Layout	Font	As a user I need the font of the application to be larger in order to be able to clearly read everything when using the application on a mobile device.	The font is large enough to easily read the content of the application on a mobile device.	Sascha		
fix 12 (f12)	2	2	Layout	Route creation button	As a senior, when I want to see all the routes created I need to be able to click on the button "All routes" in order to see all routes. When I click on the button "Create new route" I need to be forwarded to the creation straight away by defining the start and end point and the walkthrough points. This has to be done in order to have a more user friendly navigation for the senior.	The senior can click on "All routes" and then sees all routes. He can also click on "Create new route" and is then directly forwarded to creating the route by typing in the start and end point and defining the walkthrough points.	Sascha		
fix 13 (f13)	2	1	Task creation	Required fields	As a senior when creating a task, only task name and task description should be mandatory to fill out. The senior should receive an error message when trying to save the task without typing in these fields in order to notify him about his mistake.	For the creation of a task, only the fields task name and task description should be mandatory. If one or both of these are not filled out and the senior clicks on save, an error message should appear and notify him of the fields he has not filled out and are mandatory.	Sascha		

fix 14 (f14)	2	2	Task and user creation	Field names	As a senior or an admin when creating a task or a user, the names of the fields to type in should have proper names in order to not confuse the user.	The field names of creating a new task and creating a new user should be named grammatically correct and self explainatory. E.g not "Roomno", but "Room number" and not "Firstname" but "First name" (Username and Password can stay the same). Also "Person" should be called "Person to meet" and "Function" should be named "Function of person to meet" etc. Changes made here also have to be done everywhere else in the application where this word appears.	Nina		
119	2	1	Layout	Headlines	As a user, the headlines of the opened features need to be consistend with the menu button names in order to not confuse the user and to have a consistend layout.	Headlines of features are the same as the respective menu button and don't contain for example "Create new Taskdb" etc.	Sascha		
17.2	2	3	Data privacy	Stored data permission	As a user, just after a login, I can confirm on a pop-up window (button) that my private data can be stored in DB for the purpose of the game (i.e. navigation history, etc) in order to make possible to record the game progress	A check button and a field: "Hiermit erlaube ich die Speicherung meiner persönlichen und GPS- Daten für Zwecke dieser Anwendung" or "Herewith I allow the storage of my personal and GPS data for the purpose of this application".If a user denies it, the access is denied to every page exept the homepage	Nina		

No.	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible developer
1	1	1	5	5	Organization	Comunication channels	All SD and PO are using one comunication channel to exchange information and to share documents	All SD and PO are sucesfully using it and have accesss to the created Google Group	Everyone
2	1	1	8	5	Organization	Repository set-up	As a SD, I have access to the repository, Tomcat server and Database	All SD have acces to all described service	Alexander and Sascha
3	1	1	5	8	Login	Welcome page	As a user, I can see a welcome screen by clicking on a live service link	By clicking on a live service link, a user can see Audi logo (the page doesn't give any error)	Nina
4	1	2	5	3	Software technology	Own research	As a SD, we need to do our own research.	All SD got the necessary information to be able to discuss possible frameworks	All SD
5	1	2	5	3	Software technology	Decision on a framework	As a SD, we need to decide on what kind of technology framework we gonna use, set it up.	All SD agree on proposed framework, are familiar with it and the framework is set up.	Alexander and Nina
6	1	2	3	8	Software technology	Self-learning	As a SD, we need to do self-learning.	All SD are familiar with the used technology and are prepared for coding	All SD
7	1	2	3	8	Login	Login page	As a user, I need the opportunity to login to the web application to be able to play the game	It should be possible for a user to log into the web application, but not be possible to log in without user rights	Nina
8	1	2	3	3	Test	JUnit	As a developer, I need JUnit to make test-driven development	Maven compiles withou an error	Alexander
9	1	2	5	3	Login	Succesfull sign in	As a user, I need to be presented with one of three welcome pages (for trainee, senior, admin) in order to get information according to my role as trainee, senior or administrator	After the login with one special user role the according user website is presented	Alexander
10	1	3	8	8	System administration	User registration by admin	As an administrator, I need the opportunity to add new users in order to register them for the game	After the successful creation of a new user a congratulation message is shown	All SD (Sascha 5, Alexander+Nina 3)
11	1	3	8	8	System administration	DB connection to app	As a developer, I need to have a connection from the DB to the app to be able to store data in future sprints	Created JUnit test is succesfull	Alexander and Nina

No.	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible developer
12	1	3	5	8	System administration	User set-up	As an administrator, I can divide users into 3 groups: Admin, seniors and trainees and give them specific rights, which will be specified in the future's user stories.	When a user (trainee, senior) is logged in, he is presented with respective view	All SD (Sascha 3, Alexander+Nina 5)
13	1	3	5	5	Task creation	Create task	As a senior, I need the opportunity to create a task and give it a name in order to lead the trainee through the game.	A senior has the opportunity to assign a task for one specific trainee and give it a name.	Alexander+Nina 5
14	1	3	3	3	Bug fix	Uniformed formatting	As a SD I want to have a uniform formation and I want to have a product specific webdesign.	Files are uniformly formatted and the webdesign is product specific	Alexander and Nina
15	1	4	2	2	System administration	Store user in DB	As an administrator the user I added is stored in a DB with all respective information to enable him to log on later	An added user can login with his new username and password	Sascha
16	1	4	3	3	Task creation	Create destination	As a senior I need the opportunity to set a destination (GPS coordinates) for a specific task in order to tell the trainee where to go.	As a senior I can define a destination (GPS coordinates) within a task while creating a task and should be stored	Alex+Nina
17.1	1	4	2	2	Data privacy	Stored data permission	As a user, just after a login, I can confirm on a pop-up window (button) that my private data can be stored in DB for the purpose of the game (i.e. navigation history, etc) in order to make possible to record the game progress	If a user denies it, the access is denied to every page exept the homepage	Sascha
18	1	4	5	8	Task creation	Create destination	As a senior I am able to create starting point, several middle-points (max 10) and finishing point.	A senior has the opportunity to define several destinations within one task, all destinations of one task are then stored	Alex+Nina
19	1	4	5	5	Task creation	Create a role	As a senior, I am able to set into a task a person that the trainee has to meet by defining OE (Operation department), Function, Bulding, Room No. in order to tell the trainee whom to meet	As a senior, I am able to define a person for a trainee to meet (role) while creating a task	Alex+Nina
fix 1 (f1)	1	4	1	1	Header	Bug in the header	As a developer, I had to put a licence header into the test.java files in order to meet requirements	The headears are saved in a java file	Alex+Nina

No.	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible developer
fix 2 (f2)	1	4	1	1	HTML files	Bug in the HTML files	As a developer, I needed to deleted the L in front of the doctype in order to be able to have acceptable user interface	The user interface is not crashing anymore and is acceptable for Product owners	Alex+Nina
20	1	5	3	8	Login	Authentication	As a user I need to be authenticated to be able to access my role dependent pages in order to prevent trainees to get into another role account	I can only access my role dependent pages, otherwise my acces will be denied	Alexander
21	1	5	13	8	Organization	Spring learning	As a SD I need to become acquainted with Spring in order to be able to work more efficiently in the future	All SDs are familiar wirh Spring	All SDs
22	1	5	2	5	Spring logic and interface	Basic logic	As a SD I need to convert the basic logic to Spring	The logic from Wicket is converted to Spring	Nina and Alexander
23	1	5	2	5	Spring logic and interface	Security	As a SD I need to convert the Login/Authentification to Spring	The logic from the login/authentification in Wicket is converted to Spring	Alexander
24	1	5	2	3	Spring logic and interface	Admin page	As an SD I need to convert the Admin page to Spring	The logic from the Admin page in Wicket is converted to Spring	Nina
25	1	5	2	3	Spring logic and interface	Senior page	As a SD I need to convert the Senior page to Spring	The logic from seior page in Wicket is converted to Spring	Alexander
26	1	5	2	5	Spring interface	Bootstrap	As a SD I need to implement a rapid prototyping design framework in order to have an usable user interface	The design framework is implemented	Sascha
27	1	5	1	1	Task creation	Description for a senior	As a senior I need a description of the necessary format for the data I need to put in while my task, in order to put in the data correctly	As a senior, I see a description of necessary format for the data that I have to put in	Alexander
28	1	6	8	8	Organization	Continued Spring learning	As a SD I need to become acquainted with Spring in order to be able to work more efficiently in the future	All SDs are familiar with Spring	All SDs
29	1	6	3	3	Spring logic and interface	Trainee page	As a SD I need to convert the trainee page to Spring	The logic from the trainee page in Wicket is converted to Spring	Nina
30	1	6	3	5	Navigation	Map	As a trainee, I can see a map that show the default area in order to have a display for later navigation	As a trainee I can see a map which shows a default area	Alex
31	1	6	5	5	Navigation	Fastest route AB	As a trainee, I can receive a fastest route (from A to B) that is given by senior within a task	As a trainee, I am shown the fastest way from A to B	Alex

No.	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible developer
32	2	7	5	5	Task list presentation	See a task list assigned	As a trainee, I can see a list with all task that have to be done in the future (a list with task names) in order to have an overview over my assigned tasks.	A task list which is assigned to a trainee by a senior is shown to this trainee.	Alex
33	2	7	3	2	Task presentation	See task to fulfil	As a trainee I need the opportunity to see a task which was assigned by the senior in order to know what to do next	As a user, I can see a task which was assigned to me.	Alex
34	2	7	8	5	Mobile compatibility	Responsive design research	As a SD, I need to know how I can design the web-interface in a way that is being displayed correctly on a mobile device (in web browser) in order to be able to do later user stories	As a SD, I am familiar with possibilities to design the web-interface in a way that is being displayed correctly on a mobile device (in web browser).	Sascha
35.1	2	7	5	5	Web-interface design	Layout	As a user, I need to have a good-looking web-interface in order to use it easily and more effectively and to meet AUDI representative requirements	As a user, I can see the web-interface with appropriate color scheme and layout that meets PO's requirements	Nina
35.2	2	7	3	3	Web-interface design	Language	As a user I need the application to show all content in German when I chose German in the language settings in order to be able to understand everything.	When the language settings are set at German, all the content is shown in German, there are no English words in anymore.	Nina and Alexander
35.3	2	7	2	2	Organization	GIT ignore file	As a SDs, I need to have a GIT ignore file in order to be able to commit more easily.	A GIT ignore file was created	Nina
35.4	2	7	1	1	Organization	Project Structure Setup	As a SD I need a structure for upcoming user stories for a better coordinated workflow between all SDs	For upcoming features a page is already created on the web applications, where content can later be added	Alex
fix 3 (f3)	2	7	1	1	Organization	Add License	As a developer, I need a cleaned code and to add license header to all java source files in order to meet the requirements of the chair	Code is cleaned and a license header is added to all java source code files	Alex
36.1	2	7	5	3	Mobile compatibility - basic	Responsive design implementation	As a user, I need my mobile device to display the contents of the web-interface in a correctly in order to work with it properly.	As a user, my mobile device displays the content of the web-interface properly	Sascha

No.	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible developer
36.2	2	8	5	3	Mobile compatibility	Responsive design implementation - advanced	As a user, I need my mobile device to display the web-interface in a correct way in order to work with it properly and see everything I need to see.	As a user, my mobile device displays the layout of the web-interface properly	Sascha
fix 5 (f5)	2	8	3	3	Cache	Disable caching	As a user, I need the browser to automatically get the newest webpage in order to have up to date data from the DB without having to click on refresh	The browser automatically gets the newest page from the server	Sascha
51	2	8	2	2	Dashboard	Sign off button	As a user, I need the opportunity (button) to sign off the application in order to leave the application and be sure that nobody uses it with your user name without permission.	As a user, I can see and click on a "sign off" button. When I click this, I am forwarded to the sign-in-page again.	Alex
80	2	8	3	3	Navigation	Map setup	AS a SD, I need to find the best possibility to implement a map of the Audi premises efficiently in order to have a possibility to make navigation on the Audi premises possible	The SDs decided on how to set up the map for later navigation	Alex
fix 4 (f4)	2	8	2	1	Test	Fixing current tests	As a SD, I need to fix the JUnit test to see if the code is properly working in order to a stable app	All JUnit tests are properly running	Alex
44	2	8	3	5	Task creation	Create description of a task	As a senior I need the opportunity to set a description for a specific task in order to give the trainee more detailed instructions or additional information (e.g. tell the trainee what exactly he/she has to do or why this task is important).	As a senior I can define a description within a task while creating a task. The description is stored in the DB with the other task data.	Nina
54	2	8	3	2	Task creation	Permission to record a route	As a senior, I need the opportunity to agree to the recording and storing of my route (button), in order to allow saving my private data.	After permission the senior is able to record a route	Alex
81	2	8	unforseen	2	Task list presentation	Task list senior understanding	As a SD I need to understand what is missing in order to be able to create a task list presentation for the senior as well.	It is clear what needs to be added to the DB etc. in order to be able to create a task list presentation option for the senior.	Nina

No.	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible developer
83	2	8	2	2	Organization	Beautifier	As a SD I need an automatical beautifier to add licence headers to the files	The beautifier automatically adds licence headers to the files	Alex
55	2	9	5	1	Task creation	Create completion password	As a senior I need to opportunity to define a password a user has type in when he/she completed the task in order to check if it was done.	As a senior I can define a completion password in a task while creating a task.	Alex
56	2	9	3	1	Task creation	Create time slot	As a senior I need the opportunity to set a time slot for a specific task in order to tell the trainee when to fulfil it.	As a senior I can define a time slot within a task while creating a task. The time slot is stored in the DB with the other task data.	Alex
59	2	9	5	2	Task completion	Mark task as completed	As a trainee, I need the opportunity to mark a fulfilled task as completed with typing in a password in order to show that I have done it.	When the correct password was typed in, the task should be marked as done and not be in the task list anymore but in a progress overview.	Alex
83	2	9	5	5	Data Base	DB structure diagramm	As a SD I need to know how the data base tables are connected (after some changes in the requirements) so I am able to recode the structure of the DB more easily	The new structure of the DB is shown in a diagramm	Sascha
86	2	9	3	3	Web interface design	Replace mutated vowels	As a user I need all mutated vowels in the German language to be shown correctly (for example ä instead of ae) in order have a consistent layout	All mutated vowels are shown correctly on the web interface	Sascha
38	2	9	3	3	Navigation	GPS module	As a user I need my mobile device to be able to receive actual GPS coordinates, in order to identify and show me my current geographical position.	Mobile device is able to receive GPS coordinates, the application saves and shows the actual location according the coordinates on the map	Alex
82	2	9	2	2	Task creation	Task creation senior ID storage	As a senior, it has to be stored in the DB which tasks I created in order to be able to see all tasks I have created so far (needed for user stories 39 and 40).	If a task is created by a senior, his/her ID is stored in the DB in connection with the task.	Nina
39	2	9	5	5	Task list presentation	Task list senior	As a senior I am able to see all tasks I have created in order to know what I have already done.	A senior can see all tasks that he created	Nina

No.	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible developer
84	2	10	8	8	Route creation	Create new route	As a senior I need the opportunity to create a route (with as many walkthrough points as I want) independently from a task in order to be able to reuse a route later.	A senior is able to create a route (with as many walkthrough points as I want) seperately from a task and the route is stored in the DB (ID being starting point and end destination)	Alex
91	2	10	3	3	Data Base	DB structure diagramm upgrade	As a SD I need to know how the data base tables are connected (after some changes in the requirements) so I am able to recode the structure of the DB more easily	The new structure of the DB is shown in a diagramm	Sascha
40	2	10	2	2	Task presentation	Task presentation senior	As a senior I need the opportunity to see a task which was assigned by me to a trainee in order to know what a trainee is doing next	As a senior, I can see a task which was assigned to a trainee.	Nina
fix 6 (f6)	2	10	1	1	Layout	Menu	As a user, I should see both password buttons User Lost Password and Change Password lower at the bottom	User should see both password buttons User Lost Password and Change Password lower at the bottom	Nina
fix 7 (f7)	2	10	1	1	Layout	Menu	As a user, I should not links like Task Page controller, Senior Route View and Senior Task View	User should not links like Task Page controller, Senior Route View and Senior Task View	Nina
85	2	11	2	2	Task creation	Add a route to a task	As a senior I need the opportunity to add an already created route to a task in order to use this route for a task	When the senior creates a task, he can add a route which is then also stored in the DB.	Alex
37	2	11	5	3	Navigation	Fastest route ABC	As a trainee, I can receive the whole route (from A to B through several walkthrough points) that is given by senior within a task as well as the way from my position to the next walkthrough point in order to know where to go.	As a trainee, I am shown the way from A to B through different walkthrough points and the way from my actual position to the next walkthrough point with different colors.	Alex
110	2	11	3	3	Navigation	Route to starting point	As a trainee I need to see the way from my actual position to the starting point of the route in order to start my task.	As a trainee I am shown the way from my actual position to the starting point of the route.	Alex

No.	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible developer
112.1	2	11	5	5	Layout	Menu	As a user I need the menu (navigation bar on the left hand side) to clearly show all options possible to my role in a self explainatory way.	The menu shows all options for my role according to the graphs created by POs.	Sascha and Nina
113	2	11	2	2	Testing	Testing data	As a team we need some data (users, tasks, routes) for presentation and testing purposes.	There are a few users, tasks, routes stored in the DB which can be used for presentation and testing purposes.	Sascha
fix 8 (f8)	2	11	1	8 (due to problems)	Task creation	Task creation senior ID storage	Fix of a user story 82 - The creator (senior) of a task is stored automatically in a DB (not with a dropdown menu)	The creator (senior) of a task is stored automatically in a DB	Nina

No.	Sprint	Impediment	Possible Solutions	Status
1	1	No specific knowledge for web programming	Get aquainted with php and yii framework	Solved
2	1	Developers can't use PHP and need to find a alternative way	We are going suggested technology (JAVA). Unfortunately, because of this missunderstanding we lost almost 1 week.	Solved
3	1	We did not know how to put the set up work into user stories	At the lecture we discussed this and decided on adding user stories for organizanional and technical setup	Solved
4	2	Different versions of Wicket, no backward compatibility	Spending more time on it	Solved
5	2	Release planning is very high-level	Meeting with industry partner the next week. There will be probably lot of changes in the next sprints	Solved
6	2	Hibernate in combination with Maven	Spending more time on it	Solved
7	3	Tomcat doesnt update war-file immediatelly	Restart Tomcat everytime when you need to update it	Solved
8	4	Wicket is too rigid, prevents SDs from working efficiently	Change to Spring (more suitable for enterprise applications)	Solved
9	4	Confusion about the meaning and priority of some specific requirements from Audi	Skype call with Audi, PO, D.Riehle	Solved
10	5	Difficulties with the framework and the programming language (SD are very dependent on each other and working is not efficient)	Learning by the time	Solved
11	5	Nina doesn't have a working framework	The help of Sascha or Alex	Solved
12	5	SD are having troubles to comunicate between each other	Using the Google Forum and Google Chat, TeamViewer. There will be scheduled 2 regular Skype meeting between SDs.	In progress
13	5	Android device is not allowed by AUDI AG, it should be possible to use it on iPhone	Skype call with Audi, PO, D.Riehle. Only a web application is developed which can be viewed on a mobile phone and on a computer.	Solved
14	5	As more than one programmer is working on the project using different formation, the merging program has problems.	Create a beautifier which is used before the commit.	Solved

15	6	Bug: I chose trainee as role and signed in with roadrunner. After that a admin greeting was shown! (Mathias)	This user worked in Wicked, now we use Spring. There were as well some technical issues. The valid usernames/pass since 31.5 are: admin/admin; senior/senior; trainee/trainee	Solved
16	6	Sascha and Nina spent some effort (about 5 each) on user stories 32,33, but they were not succesful to complete it.	Alex will do these stories in the following sprint no.7. Sascha and Nina will continue with deeper learning of Spring in order to be more efficient in the following sprints	Solved
17	6	SDs were not completely ready for the sprint review (which meant we had to wait until the web application was ready for review)	They will have a longer meeting to put everything in place before the review starts	Solved
18	6	The behaviour of HTML5 framework is different from what SDs expect it to be after writing HTML code	Probably we have to live with it	Solved
19	7	TagX library was not so easy to use as expected (i.e. user story 32)	SDs have to spend some time on research	Solved
19	7	Because of the varying experience level and some specialisation resulting from the work in the first release, it is difficult to estimate the effort for a user story	We probably can't estimate the effort independently of the assigned person, but need to take his/her experience level into consideration	In progress
20	9	AJAX doesnt work with Ubuntu Chromium	Using other web-browsers	Solved
21	10	Developers need a tool to detect errors which are not signaled to the user in the interface.	Developers will select a tool	In progress
22	10	Sascha and Nina spent some effort on user stories 41,52,87, f8, but they were not succesful to complete it.	We reworked requirements of upcomming user stories in the product backlog	Solved
23	11	The user stories for creating a virtual objects couldn't and can not be finished, although a lot of work was put into it by Nina, because the bugs couldn't be fixed because of other problems.	The user story was put back in the product backlog, because it was decided that improving usability was more important than implementing new features for these last two sprints.	Solved

Product owners	Software developers		
Katharina	Nina		
Radek	Alexander		
	Sascha		

Sprint #	Due date	Release Manager	Scrum Master
1	25.4	Nina	Radek
2	2.5	Alexander	Katharina
3	9.5	Nina	Nina
4	16.5	Sascha	Alexander
5	23.5	Alexander	Nina
6	30.5	Sascha	Radek
7	6.6	Nina	Katharina
8	13.6	Alexander	Sascha
9	20.6	Sascha	Alexander
10	27.6	Nina	Sascha
11	4.7	Alexander	Radek
12	11.7	Sascha	Katharina
13	17.7	Nina	Sascha

Term	Explanation	
Admin	A user of the application with the right to add users and monitor routes etc. He/she is mainly responsible for the application in the company.	
Dashboard	A bar/field in the application where buttons (e.g. log out button) are located.	
Person to meet	A person (e.g. the head of a department) a trainee has to meet within the completion of a task defined by a senior.	
PO	Product Owner holds overall responsibility for the product being developed; provides the product vision, product requirements, plans and helps plan development and tracks progress.	
POI	A zone on the premises of Audi defined by a GPS coordinate and a radius. Information about this zone is stored. If a POI is added to a task, it is automatically shown to the trainee when he reaches this point during the completion of this task.	
Progress	An overview over completed and not completed tasks of one trainee.	
Quest	A combination of information, a required answer and a bagde, which is created by a senior and assigned to a trainee to solve.	
SD	Software Developer; developer team holds overall responsibility for delivering working software that provides the features they committed to delivering	
Senior	A user of the application with the right to create routes, tasks, POIs, objects etc. He is a senior at the Audi (or another company) and responsible for guiding a new employee through his/her orientation process. He is giving tasks to trainees.	
Task	A combination of a person to meet, a route to follow, a quest to solve, additional information etc. which a trainee has to complete in order to get acquainted with one aspect of the company.	
Task list	A list of up to 20 tasks which are related to one another ("game path").	
Trainee	A user of the application with the right to solve tasks assigned to him. He/she is a new employee at Audi (or another company) and needs to get to know the company, the premises, the processes etc.	
Virtual object	Information defined by a name and an uploaded file which can be added to a task, to a route or to a quest and gives the trainee additional information.	

No.	Question	Who asked	Who to ask	Status	Answer
1	Does the senior enter GPS-coordinates, a room number, or the name of the person to meet?	Developers	Audi	Answered	Yes. We can define basic information in a database, but the user must have the possibility to add new destinations and associated input. We have to save all destinations, objects, ... in a database in order to use them later again or another senior can use them.
2	What kind of user ID should be used? (Numbers, letters,...)	Developers	Audi	Answered	It should be a combination of surname, first name and birthday. For Example Tralau, Mathias, 15.07. you get following ID: TRAMA15
3	What you understand by "edit and set GPS zones"? Simply edit and set GPS coordinates or is this something more complex?	Radek	Everyone	Answered	A GPS zone is a ringlike area. You have to set the center coordinate and the radius. If you enter this area, something will happen.
4	What´s about privacy protection? It´s not allowed to save the hole moving profile.	Mathias	Everyone	Answered	Data will be stored anynomously and there will be an agreement button for a user to share his private data
5	What is the exchange format between mobil device and backend (REST, SOAP, XML,...?). Is the exchange between backend and client or mobil device service orientated? (REST, SOAP, XML,...?)	Mathias (Radek, Katharina)	SD	Answered	The exchange format is HTML5
6	One important requirement of AUDI AG IT is, that on the iPhone safari (browser) is not available. For that AUDI AG IT convert HTML 5 with PhoneGap into a hybrid app which includes safari. Do we have a similar opportunity for your source code?	Mathias (Radek, Katharina)	SD	Answered	The topic has been cleared via a skype call

Communication Agreement between SDs

All SDs agree on the following communication rules for further sprints:

The SDs agree on having two short skype meetings in each sprint. They will fix the first meeting in the Sprint planning and the second in the first Skype meeting. This meeting will be used as a status overview and an opportunity for every SD to ask questions.

If one SD has a problem, he/she first tries to solve it him/herself. If he/she can't solve the problem, the question will be asked in Google groups as a new conversation topic. The other developers will answer in order to signal that they have thought about the question.

The SD asking the question is responsible for following it (bringing it up in the scrum meeting, solving it and telling the others about the solution)