

This Doc:	http://goo.gl/tlCaX	
Live Service:	http://proj1.ss13.osramos.de/	
Code repository:	https://github.com/alexander-informatik/amos-project-audi	
Team member introduction + contacts:	http://goo.gl/wn5gK	
Docs from Audi Industry partner:		
- Basic student data:	http://ulozto.net/xGP3c151/student-data-zip	(password: audia1)
- Maps:	http://ulozto.net/xZLoHZjS/desktop-zip	(password: audia2)
- Unterlagen Besprechung:	http://ulozto.net/xRUTU151/unterlagen-besprechung-26032013-und-grobkonzept-pdf	(password: audia3)
- Communication Register:	http://ulozto.net/xrqWo8Xu/communication-system-pdf	(password: audia4)

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 Plan

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	139
8	13.6	Mobile compatibility + Basic Navigation part 2 + Senior task list	36.2,38,39,40,44,80,f4,f5	26		113
9	20.6	Task details + Advanced Navigation part 1	37,41,42,43,45	21		92
10	27.6	Shuttle bus + dashboard	46,47,48,49,50,51,52	25		67
11	4.7	Advanced task creation and presentation + Alternative route	53,54,55,56,57,58	24		43
12	11.7	Task alteration options + Counter	59,60,61,62,63,64	19		24
13	17.7	Stabilisation	?, ?, ?, ?	24		0
Total				163	0	

Product Backlog

No.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Comment
37	2	Navigation	Fastest route ABC	As a user, I can receive a route from A to B (two different destinations) through several walkthrough points (max 8) in order to know how to get from A to B with passing all walktrough points the senior defined in the task. It will use only Google Maps data.	As a user, I am shown the fastest way from A to B through different walkthrough points	
41	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 document (txt or pdf format)	As a senior I have the opportunity to include a object in a task when creating it. This object is then stored with the rest of the task data.	
42	5	Task creation	Creating destination details	As a senior, I can add an uploaded object to every defined destination within a task in order to give the trainee instructions about how to get to an office within a building etc.	The added object is stored and the senior can see what object he added to which destination	
43	8	Navigation	Presentation of destination details	As a trainee, additional information about one destination will pop-up when I reach that particular destination (only if this was defined by the senior when creating the task) in order to receive directions inside buildings (no use of GPS).	If the senior provided additional information for one destination when creating the task, the trainee receives this information automatically when he arrives at the destination	
45	3	Navigation	Navigation features	As a trainee I need the opportunity to see the route, my current position and the walking direction when I do a task in order to know where to go.	As a trainee, I see the the correct route to the next destination, my position, and the walking direction.	
46	8	Navigation	Shuttle bus senior	As a senior, I am able to define that a shuttle bus can be used between two destinations (or walkthrough points) insted of a walking route in order to include the shuttle busses in my designed route. Senior can add a shuttle bus plan to the first destination (or walkthrough point) and the trainee will receive a shuttle bus plan intsted of a proposed route.	As a senior, I can see that the shuttle plan has been added to a specific information	
47	8	Navigation	Shuttle bus trainee	As a trainee, I receive a shuttle bus plan when arriving at the destination where the senior defined so, in order to know which bus to take.	As a trainee, I am receive a shuttle bus (object) plan when I have reached the destination	
48	3	Navigation	Navigation features	As a trainee,I see additional information while looking at the route from A to B while completing my task. I can see in the window the time left to destination, distance left until reaching the destination and actual time in order to have a better orientation and organisation.	As a trainee, I can see the correct time left, correct left distance, correct actual time.	
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.	

Product Backlog

No.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Comment
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.	
51	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.	
52	3	Task creation	Create POI/radius	As a senior, I am able to define a points of interest. When a trainee reach a POI in a given (by senior) radius (for instance 50m), trainee will receive a particular information defined by a senior (text) in order to give the trainee additional information.	As a trainee, when I reach the radius of POI, I receive defined information given by a senior	
53	5	Task creation	Record a route	As a senior, I need the opportunity to record a route and define several destinations within this route while walking it in order to save it for using it in the game.	The recorded route is stored in the DB	
54	3	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	
55	5	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.	Later we could also assign tests
56	3	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.	
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.	
58	5	Navigation	Alternative route	As a user, I can receive an alternative route on a proposed route from A to B in order to choose a more suitable route (e.g. if the proposed route is blocked etc.)	As a user, I am shown a second alternative route from A to B	
59	5	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.	
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")	

Product Backlog

No.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Comment
61	3	Task	Edit task	As a senior, I am able to edit a task I have created regarding name, description, destination, role (person to meet), time slot, object and completion-password in order to respond to changing circumstances/requirements.	A task which was edited by a senior and was assigned to a trainee is then also changed in the task lists and in the trainees view.	
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.	
64	3	Task	Delete task	As a senior, I am able to delete task that I have created in order to change the assignments for the trainee if a task is not needed/useful anymore.	A task which was deleted by a senior and was assigned to a trainee is not shown in the task list and the trainees view anymore.	
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 montor 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)	
67		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		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.	
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.	
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.	

Product Backlog

No.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Comment
72		Navigation	Reason for an alternative route	As a user, when I intend to use an alternative route, I need the opportunity to type in a reason (text field) why I didnt want to use the proposed route in order to save information about specific routes in the data base and use this information for later tasks.	As a user, when I request an alternative route, a text field appears in which I can write an explanation. This explanation is then stored in the data base.	
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 opbject 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.	
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.	

Sprint Backlog

No.	Rel.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Assignee
80	2	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
36.2	2	5	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
38	2	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
39	2	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
40	2	2	Task presentation	Task presentation senior	As a senior I need the opportunity to see a task which was assigned by the me to a trainee in order to know what is a trainee doing the next	As a senior, I can see a task which was assigned to a trainee.	Nina
44	2	3	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
fix 4 (f4)	2	2	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
fix 5 (f5)	2	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

Feature Archive

No.	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible developer
1	1	1	5	5	Organization	Communication channels	All SD and PO are using one communication 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

Feature Archive

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	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 except 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

Feature Archive

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/Authentication to Spring	The logic from the login/authentication 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

Feature Archive

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	3	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)	3	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

Impediments

No.	Sprint	Impediment	Possible Solutions	Status
1	1	No specific knowledge for web programming	Get acquainted 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 misunderstanding 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	In progress
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.	Scheduled for a later sprint

Impediments

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	In progress
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

Team roles

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		
10	27.6		
11	4.7		
12	11.7		
13	17.7		

Open questions

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 anonymously 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

Estimation of implementation risk					1: High (This will be really difficult to implement and the SDs are not sure if they will succeed)		
					2: Medium (This might create some difficulties, but the SDs will probably be able to solve it)		
					3: Low (According to the SDs, this will be no problem to implement)		
No.	Rel.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Risk
32	2	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.	2
33	2	3	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.	2
34	2	8	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).	3
35	2	8	Web-interface design	Layout and Language	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	3
36	2	5+5	Mobile compatibility	Responsive design implementation	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	2
37	2	8	Navigation	Fastest route ABC	As a user, I can receive a route from A to B (two different destinations) through several walkthrough points (max 10) in order to know how to get from A to B with passing all walktrough points the senior defined in the task.	As a user, I am shown the fastest way from A to B through different walkthrough points	3
38	2	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 them on the map	1
39	2	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	3
40	2	2	Task presentation	Task presentation senior	As a senior I need the opportunity to see a task which was assigned by the me to a trainee in order to know what is a trainee doing the next	As a senior, I can see a task which was assigned to a trainee.	3

41	2	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 document (txt or pdf format)	As a senior I have the opportunity to include a object in a task when creating it. This object is then stored with the rest of the task data.	3
42	2	5	Task creation	Creating destination details	As a senior, I can add an uploaded object to every defined destination within a task in order to give the trainee instructions about how to get to an office within a building etc.	The added object is stored and the senior can see what object he added to which destination	2
43	2	8	Navigation	Presentation of destination details	As a trainee, additional information about one destination will pop-up when I reach that particular destination (only if this was defined by the senior when creating the task) in order to receive directions inside buildings (no use of GPS).	If the senior provided additional information for one destination when creating the task, the trainee receives this information automatically when he arrives at the destination	2
44	2	3	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.	3
45	2	3	Navigation	Navigation features	As a trainee I need the opportunity to see the route, my current position and the walking direction when I do a task in order to know where to go.	As a trainee, I see the the correct route to the next destination, my position, and the walking direction.	1
46	2	3	Navigation	Navigation features	As a trainee, I see additional information while looking at the route from A to B while completing my task. I can see in the window the time left to destination, distance left until reaching the destination and actual time in order to have a better orientation and organisation.	As a trainee, I can see the correct time left, correct left distance, correct actual time.	1
47	2	8	Navigation	Shuttle bus senior	As a senior, I am able to define that a shuttle bus can be used between two destinations (or walkthrough points) insted of a walking route in order to include the shuttle busses in my designed route. Senior can add a shuttle bus plan to the first destination (or walkthrough point) and the trainee will receive a shuttle bus plan intsted of a proposed route.	As a senior, I can see that the shuttle plan has been added to a specific information	1
48	2	8	Navigation	Shuttle bus trainee	As a trainee, I receive a shuttle bus plan when arriving at the destination where the senior defined so, in order to know which bus to take.	As a trainee, I am receive a shuttle bus (object) plan when I have reached the destination	1

49	2	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.	3
50	2	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.	3
51	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.	3
52	2	3	Task creation	Create POI/radius	As a senior, I am able to define a points of interest. When a trainee reach a POI in a given (by senior) radius (for instance 50m), trainee will receive a particular information defined by a senior (text) in order to give the trainee additional information.	As a trainee, when I reach the radius of POI, I receive defined information given by a senior	1
53	2	5	Task creation	Record a route	As a senior, I need the opportunity to record a route and define several destinations within this route while walking it in order to save it for using it in the game.	The recorded route is stored in the DB	1
54	2	3	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	3
55	2	5	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.	2
56	2	3	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.	3
57	2	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.	3
58	2	5	Navigation	Alternative route	As a user, I can receive an alternative route on a proposed route from A to B in order to choose a more suitable route (e.g. if the proposed route is blocked etc.)	As a user, I am shown a second alternative route from A to B	2

59	2	5	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.	3
60	2	2	Task	Next task	As a trainee, when I have successfully 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")	3
61	2	3	Task	Edit task	As a senior, I am able to edit a task I have created regarding name, description, destination, role (person to meet), time slot, object and completion-password in order to respond to changing circumstances/requirements.	A task which was edited by a senior and was assigned to a trainee is then also changed in the task lists and in the trainees view.	3
62	2		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.	1
63	2		Navigation	Counter - summary	As a senior, 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 senior, 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.	2
64	2	3	Task	Delete task	As a senior, I am able to delete task that I have created in order to change the assignments for the trainee if a task is not needed/useful anymore.	A task which was deleted by a senior and was assigned to a trainee is not shown in the task list and the trainees view anymore.	
65	2	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	2	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)	
67	2		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.	

69	2	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	2	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 out 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.	
71	2	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.	
72	2		Navigation	Reason for an alternative route	As a user, when I intend to use an alternative route, I need the opportunity to type in a reason (text field) why I didn't want to use the proposed route in order to save information about specific routes in the data base and use this information for later tasks.	As a user, when I request an alternative route, a text field appears in which I can write an explanation. This explanation is then stored in the data base.	
73	2		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	2		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 the opportunity to see all objects previously used and can access them again.	
75	2		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 a trainee I can write a message to the senior who assigned the task to me.	
76	2		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	2		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.	
78	2		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 successfully login with his username and new generated password.	
79	2		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.	

80	2	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	2
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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)