

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	18
2	2.5	Login + Welcome screen	4,5,6,7,8,9	24	28	46
3	9.5	Admin creation + DB creation + Creating basic task	10,11,12,13,14	29	32	78
4	16.5	Data privacy + Task details	15,16,17,18,19,20	22		78
5	23.5	Task details + Simple navigation	21,22,23,24	27		78
6	30.5	Advanced navigation features	25,26,27,28	29		78
Total	Due date			149	78	
Release	2.0.					
No. Sprints	7					
Due Date	17.07.2013					
Sprint #		Theme	User Stories	Est. Effort	Real Effort	Burn-Down
7	6.6					
8	13.6					0
9	20.6					0
10	27.6					0
11	4.7					0
12	11.7					0
13	17.7					0
Total				0	0	

Product Backlog

No.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Comment
21	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.	
22	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	
23	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.	
24	8	Navigation	Fastest route AB	As a user, I can receive a route from A to B (two different destinations)	As a user, I am shown the fastest way from A to B	
25	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)	As a user, I am shown the fastest way from A to B through different walkthrough points	
26	5	Navigation	Alternative route	As a user, I can receive an alternative route on a proposed route from A to B	As a user, I am shown a second alternative route from A to B	
27	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. 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	
28	8	Navigation	Shuttle bus trainee	As a trainee, I receive a shuttle bus plan when arriving at the destination where the senior defined so.	As a trainee, I am receive a shuttle bus (object) plan when I have reached the destination	
29	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	
30	8	Navigation	Navigation features	As a trainee, when I am being navigated, I can see in the window the route to the next destination, left time, left distance, actual time, compass	As a trainee, I see the the correct route to the next destination, correct left time, correct left distance, correct actual time, correct compass	
31		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	
32		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	
33		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	
34	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.	
35	1	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 tell the trainee what he/she has to do.	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.	

Product Backlog

No.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Comment
36	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.	
37		Task list	Task list seen by senior	As a senior, I have a opportunity to assign all task I have created to one trainee.	As a trainee I can see all task that a senior assigned to me	
38		Task list	Order of tasks	As a senior, I can change an order of assigned tasks to one trainee	As a senior when I change I task order to trainee, he will get them in a different order	
39	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
40	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.	
41		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 (if there is no next task, pop-up window will tell me "There are no tasks assigned to you at the moment")		
42	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.	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.	
43	3	Task	Delete task	As a senior, I am able to delete task that I have created if the 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.	
44	3	Task list	Delete task list	As a senior, I am able to delete a task list that I have created if this 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.	
45	5	Progress overview	Trainee progress	As a senior, I can see a graphical progress of task lists, that I have assigned to trainees. As a trainee I can see a graphical progress of task lists, that are assigned to me (graphical features for both users will be described later)		
46	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 in a task while creating a task.	
47		Navigation	Reason for an alternative route	As a user, when I intend to use an alternative route, I need to type a reason (text field) why I didnt want to use the proposed route		
48		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		
49		Navigation	Route evaluation	As a trainee, I have to give a feedback when I finish a give route in order to give a feedback to a senior. The feedback consists buttons 1 (best) to 5 (worst) and additional text field for comments		
50		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)		

Product Backlog

No.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Comment
51		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 this information again		
52	3	Task list presentation	See a task list	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.	
53	5	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.	
54	3	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.	
55	5	Feedback	Feedback Trainee => Senior	As a trainee, I can send a feedback (a message in the application) to my senior about my task. As a senior, I am able to read and respond to him.		
56	5	Feedback	Feedback Senior => Trainee	As a senior, I can send a feedback (a message in the application) to my trainee about his task.		
57		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.	
58		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
15	1	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
16	1	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
17	1	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
18	1	5	Login	Authentication	As a user I need to be able to 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
19	1	5	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
20	1	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

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 successfully using it and have access 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 access 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 without an error	Alexander
9	1	2	5	3	Login	Successful 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 successful	Alexander and Nina
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)

Feature Archive

No.	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsible developer
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

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 organizational 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	
6	2	Hibernate in combination with Maven	Spending more time on it	Solved
7	3	Tomcat doesn't update war-file immediately	Restart Tomcat everytime when you need to update it	Solved
8	4	Android device is not allowed by AUDI AG, it should be possible to use it on iPhone	?	
9	4	There might be no 3G/WLAN connection in some places, which will be a problem for the navigation	?	

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	Open	This question should be forwarded to Mr. D. Riehle and Mr. J. Dohm

Team roles

Product owners		Katharina	Radek		
Software developers		Nina	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				
6	30.5				
7	6.6				
8	13.6				
9	20.6				
10	27.6				
11	4.7				
12	11.7				
13	17.7				