This Doc	goo.gl/3A91o
Live Service	http://proj2.ss13.osramos.de
Code repository	https://sourceforge.net/projects/resprocessvis
Additional materials	
01_Mockup	goo.gl/9i44P
02_Database Design	goo.gl/bhG9C
03_Audi Input Data	goo.gl/YkYO8
04_Supplemental Requirements	goo.gl/au03D
05_Bug Reporting	http://sourceforge.net/p/resprocessvis/tickets/
06_Audi Input Business Data	goo.gl/GPxKW
Example	http://goo.gl/FRfym

	Category	Element	Done
	Planning documents	Clean up all planning documents	
		Create snapshot copy of planning document (PDF)	
		Name the document sprint_planning.pdf	
		Commit to the root of code repository (SVN)	
		Tag it with sprint_xx_planning	
	Software product	Build deployment version (must be runnable!)	
		Name deployment version ROOT.war	
		Commit it to the root of code repository (SVN)	
		Tag with sprint_xx_release	
	Process improvement	http://goo.gl/aPWZ4	

Product Vision

The AUDI Resource Process Visualization project is aiming to supply an application of AUDI's global production plants. A navigateable world map allows hierarchical browsing to every production plant in every country. At each level of browsing the aggregated information of the production line is calculated and information about quality and testing are available.

Release	2.0				
No. Sprints	7				
Due Date	06.06.2013				
Sprint #	Theme	User Stories	Est. Effort	Burn-Down	Real Effort
6				171	
7	Reporting Feature:Location, Testing Device and Trouble Electrical Component layer; Overall Layout Design	33,35,36,37,38,39,40,41,42,43	29	142	22
8	Implementation: Global view, Factory view, Production Hall view, Assembly Line view, Testing Device view	44,45,46, 47, 49, 50, 52, 54	24	118	21
9	Implementation: Trouble Electrical Component view, Supplemental Implementation: sorting and filtering, aggregation of status	56, 78, 79, 80, 81	35	83	13
10	Supplemental Implementation: Testing Device view, Browser Testing and bug reporting: Global view, Factory view, Production Hall view, Assembly line view, Location view, Testing Device view, Trouble Electrical Component view	75, 77, 82, 83, 84, 85, 86, 87, 88	24	59	24
11	Testing and Refining (unit test): Global view, Factory view, Production Hall view Testing and Refining (integration test): Factory view, Production Hall view, Assembly Line view, Location view, Testing Device view Refining Application: Performance Optimization, XML Input, XML Adaptation	57, 58, 59, 64, 65, 66, 67, 68, 89, 90, 101	32	27	
12	Testing and Refining: Assembly Line view, Location view, Testing Device view, Trouble Electrical Component view Documentation: Manual on configuring application environment, Global view, Factory view, Production Hall view, Assembly Line view, Location view, Testing Device view and Trouble Electrical Component view, Consolidation, Video Demonstration	60, 61, 62, 63, 91,92,93,94,95,96,97,98,99,100	27	0	
Total			171		80
Release	1.0				
No. Sprints	6				
Due Date	02.05.2013				
Sprint #	Theme	User Stories	Est. Effort	Burn-Down	Real Effort
0				144	
1	Defining requirements and setting up infrastructure	3,4,5	15	129	15
2	Navigation Feature: Global view, Factory view	1,2,6,7,8,9,10	23	106	28
3	Navigation Feature: Production Hall view, Administration	11,12,13,14	24	82	24
4	Navigation Feature: Assembly Line view, Testing device view	15,16,17,18,19,20,21,22,23	27	55	22
5	Reporting Feature: Global and Factory layer	25,26,27,28,29	28	27	20
6	Reporting Feature: Production Hall and Assembly Line layer	27,30,31,32,33,34,35	27	0	18
Total			144		127

#	Effort	Category	Short Name	Item Description	Acceptance Criteria
60	2	Testing and Refining	Assembly Line view unit test	As an administrator, I need to verify the functions of navigation(clicking, locating, zoom-in, etc.) and reporting features on Assembly Line view, so that I can ensure that the application is bug free.	1. navigation (1). the Locations are listed in a fixed order according to the Locations' IDs; (2) every Assembly Line area is clickable; (3) it leads to the corresponding Location correctly after clicking; 2. reporting (1) status information can be refreshed automatically in every 1 mintue and manually at any time;
61	2	Testing and Refining	Location view unit test	As an administrator, I need to verify the functions of navigation(clicking etc.) and reporting features on Location view, so that I can ensure that the application is bug free on unit test level.	1. navigation (1) the Testing Devices are listed in a fixed order according to the Testing Devices' IDs; (2) every Testing Device area is clickable; (3) it leads to the corresponding Testing Device correctly after clicking; 2. reporting (1) status information can be refreshed automatically in every 1 mintue and manually at any time;
62	2	Testing and Refining	Testing Device view unit test	As an administrator, I need to verify the functions of navigation(clicking etc.) and reporting features on Location view, so that I can ensure that the application is bug free on unit test level.	1. navigation (1) the Electrical Components with higher emergency level are listed on the top; (2) only Trouble Electrical Component is clickable; (3) it leads to the corresponding Trouble Electrical Component correctly after clicking; 2. reporting (1) status information can be refreshed automatically in every 1 mintue and manually at any time;
63	2	Testing and Refining	Trouble Electrical Component view unit test	As an administrator, I need to verify the functions of reporting feature and print function on Trouble Electrical Component view, so that I can ensure that the application is bug free on unit test level.	1. reporting (1) Trouble Electrical Component information is presented in a Modal dialog box; (2) the dialog box can be closed after clicking "Close" button;
91	2	Documentation	Manual on configuring application environment	As a user, I need an instrumental manual on configuring this application, so that I can deploy this application in the local running mashine.	1. hardware and software requirements are listed up; 2. configuration details are demonstrated step by step;
92	2	Documentation	Manual on Global view	As a user, I need an instrumental manual on the Global view in this application, so that I can look up detailed information upon Global view and reconfigure this application when necessary on Global view.	1. the meanings of all the information items are explained; 2. all the sources (or paths) and methods of accessing relevant data are indicated; 3. at least one example of reconfiguring the features is demonstrated step by step;
93	2	Documentation	Manual on Factory view	As a user, I need an instrumental manual on the Factory view in this application, so that I can look up detailed information upon Factory view and reconfigure this application when necessary on Factory view.	1. the meanings of all the information items are explained; 2. all the sources (or paths) and methods of accessing relevant data are indicated; 3. at least one example of reconfiguring the features is demonstrated step by step;

#	Effort	Category	Short Name	Item Description	Acceptance Criteria
94	2	Documentation	Manual on Production Hall view	As a user, I need an instrumental manual on the Production Hall view in this application, so that I can look up detailed information upon Production Hall view and reconfigure this application when necessary on Production Hall view.	1. the meanings of all the information items are explained; 2. all the sources (or paths) and methods of accessing relevant data are indicated; 3. at least one example of reconfiguring the features is demonstrated step by step;
95	2	Documentation	Manual on Assembly Line view	As a user, I need an instrumental manual on the Assembly Line view in this application, so that I can look up detailed information upon Assembly Line view and reconfigure this application when necessary on Assembly Line view.	1. the meanings of all the information items are explained; 2. all the sources (or paths) and methods of accessing relevant data are indicated; 3. at least one example of reconfiguring the features is demonstrated step by step;
96	2	Documentation	Manual on Location view	As a user, I need an instrumental manual on the Location view in this application, so that I can look up detailed information upon Location view and reconfigure this application when necessary on Location view.	1. the meanings of all the information items are explained; 2. all the sources (or paths) and methods of accessing relevant data are indicated; 3. at least one example of reconfiguring the features is demonstrated step by step;
97	2	Documentation	Manual on Testing Device view	As a user, I need an instrumental manual on the Testing Device view in this application, so that I can look up detailed information upon Testing Device view and reconfigure this application when necessary on Testing Device view.	1. the meanings of all the information items are explained; 2. all the sources (or paths) and methods of accessing relevant data are indicated; 3. at least one example of reconfiguring the features is demonstrated step by step;
98	2	Documentation	Manual on Trouble Electrical Component view	As a user, I need an instrumental manual on the Trouble Electrical Component view in this application, so that I can look up detailed information upon Trouble Electrical Component view and reconfigure this application when necessary on Trouble Electrical Component view.	1. the meanings of all the information items are explained; 2. all the sources (or paths) and methods of accessing relevant data are indicated; 3. at least one example of reconfiguring the features is demonstrated step by step;
99	1	Documentation	Consolidation	As a user, I need a merged document containing application environment and details about the application, so that I can employ a systemetic documentation.	1.all the previous chapters are merged into one document.and indexed;
100	2	Documentation	Video Demonstration	As a user, I need a video demonstration to facilitate understanding the application structure and operational processes, so that I can be aided when operation troubles occur.	1. a demonstrating video introducing the application structure and operational processes is recored;

#	Effort	Category	Short Name	Item Description	Acceptance Criteria
Not required anymore / technically not possible in time					
24	5	Mechanism Demo: U/I	Navigation Feature: Trouble Electrical Component view (Action)	As a user, I need a Trouble Electrical Component view, so that I can click on the Print button to print the trouble information of the current Trouble Electrical Component.	1. after clicking the Print button, I can print the trouble information of current Trouble Electrical Component;
31	3	Mechanism Demo: U/I	Navigation Feature: Assmbly Line view (modification)	As a user, I need to see a exemplary Assembly hall plan, so that I can click on a certain area on the plan to go in the next view.	1. Assembly line view plan is displayed in the Assembly Line view as drawn in <01_Mockup>;
69	2	Testing and Refining	Trouble Electrical Component view integration test	As an administrator, I can verify the functions of "close" and "Print", so that I can ensure that the application is bug free on integration test level.	1. after closing Trouble Electrical Component view, the page get back to Testing Device view; 2. after clicking "Print" button, the Trouble Electrical Component information is printed;
71	3	Supplemental Implementation	Navigation Feature: Factory view (Presenting)	As a user, I can see the real Factory plan of every factory, so that I feel familiar with the environment reflected by the factory plan.	1. every factory reflects practical factory plans 2. every factory plan presents practical Production halls
72	3	Supplemental Implementation	Navigation Feature: Production Hall view (Presenting)	As a user, I can see the real Production Hall plan of every factory, so that I feel familiar with the environment reflected by the Production hall plan.	1.every Production hall view reflects practical Production Hall plans 2. every Production hall plan presents practical Assembly lines
73	3	Supplemental Implementation	Navigation Feature: Assebly Line view (Presenting)	As a user, I can see the real Assembly Line plan in every Production Hall, so that I feel familiar with the environment reflected by the Assembly Line plan.	1. every Assembly line view reflects practical Assembly Line plans 2. every Assemlby line plan presents practical Locations
74	3	Supplemental Implementation	Navigation Feature: Location view (Presenting)	As a user, I can see the real Location names within the Location view, so that I feel familiar with the environment reflected by the Location view.	1. every Location view reflects practical Location names 2. every Location view presents practical Testing Devices
76	3	Supplemental Implementation	Navigation Feature: Trouble Electrical Component view (Presenting)	As a user, I can see the real Trouble Electrical Component Information within the Trouble Electrical Component view, so that I feel familiar with the environment reflected by the Trouble Electrical Component view.	1. every Trouble Electrical Component reflects practical Information
48	2	Implementation	Navigation Feature: Factory view (Action)	As a user, I need a Factory View of Audi in Ingostadt, so that I can click on a Production Hall to look into the cooresponding Production Hall Level.	1. Functional: (1) 2 Production Hall areas in Ingolstadt are clickable; (2) navigate to the corresponding Production Hall view after clicking a Production Hall; (3) backward and forward jumping are available (backspace and browser functionality); (4) up-to-date data is reflected on the page after going backwards and forwards; (5) aggregated status refreshing automatically every minute and manually at any time;

#	Effort	Category	Short Name	Item Description	Acceptance Criteria
51	2	Implementation	Navigation Feature: Production Hall view (Action)	As a user, I need a Production Hall view in the factory of Audi in Ingostadt, so that I can click on a Assembly Line to look into the cooresponding Assembly Line Level.	1. Functional: (1) 2 Assembly Line areas in Ingolstadt are clickable; (2) navigate to the corresponding Assembly Line view after clicking a Assembly Line; (3) backward and forward jumping are available (backspace and browser functionality); (4) up-to-date data is reflected on the page after going backwards and forwards; (5) aggregated status refreshing automatically every minute and manually at any time;
53	2	Implementation	Navigation Feature: Assembly Line view (Action)	As a user, I need a Assembly Line view in the factory of Audi in Ingostadt, so that I can click on a Testing Device to look into the cooresponding Testing Device Level.	1. Functional: (1) Testing Devices in list are clickable; (2) navigate to the corresponding Testing Device view after clicking a Testing Device; (3) backward and forward jumping are available (backspace and browser functionality); (4) up-to-date data is reflected on the page after going backwards and forwards; (5) aggregated status refreshing automatically every minute and manually possible
55	2	Implementation	Navigation Feature: Testing Device view (Action)	As a user, I need a Testing Device view in the factory of Audi in Ingostadt, so that I can click on a Testing Device to look into the cooresponding Electrical Component Level.	1. Functional: (1) every trouble Electrical Components in list is clickable; (2) navigate to the corresponding trouble Electrical Component view after clicking it; (3) backward and forward jumping are available (backspace and browser functionality); (4) up-to-date data is reflected on the page after going backwards and forwards; (5) aggregated status refreshing automatically every minute and manually at any time;

#	Rel.	Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsibility
57	2	2	Testing and Refining	Global view test	As an administrator, I need to verify the functions of navigation(clicking, locating, zoom-in, etc.) on Global view, so that I can ensure that the application is bug free on unit test level.	1. pins in every 'world view' 2. each pin representing for the Factory is clickable; 3. it leads to the corresponding Factory correctly after clicking; 4. status information can be refreshed automatically in every 1 mintue and manually at any time;	Chris
58	2	3	Testing and Refining	Factory view unit test	As an administrator, I need to verify the functions of navigation(clicking, locating, zoom-in, etc.) and reporting features on Factory view, so that I can ensure that the application is bug free on unit test level.	1. navigation (1) every Production Hall area is clickable; (2) it leads to the corresponding Production Hall correctly after clicking; 2. reporting (1) status information can be refreshed automatically in every 1 mintue and manually at any time;	Chris
59	2	3	Testing and Refining	Production Hall view unit test	As an administrator, I need to verify the functions of navigation(clicking, locating, zoom-in, etc.) and reporting features on Production Hall view, so that I can ensure that the application is bug free on unit test level.	1. navigation (1) every Assembly Line area is clickable; (2) it leads to the corresponding Assembly Line correctly after clicking; 2. reporting (1) status information can be refreshed automatically in every 1 mintue and manually at any time;	Chris
64	2	5	Testing and Refining	Factory view integration test	As an administrator, I can verify the functions of navigating the hierarchy on Factory view, so that I can ensure that the application is bug free on integration test level.	1. navigateable hierarchie 2. database entities are reflected in Factory view 3. all test have to pass	JP
65	2	2	Testing and Refining	Production Hall view integration test	As an administrator, I can verify the functions of navigating the hierarchy on Production Hall view, so that I can ensure that the application is bug free on integration test level.	1. navigateable hierarchie 2. database entities are reflected in Production Hall view 3. all test have to pass	JP
66	2	2	Testing and Refining	Assembly Line view integration test	As an administrator, I can verify the functions of navigating the hierarchy on Assembly Line view, so that I can ensure that the application is bug free on integration test level.	1. navigateable hierarchie 2. database entities are reflected in Assembly Line view 3. all test have to pass	JP
67	2	2	Testing and Refining	Location view integration test	As an administrator, I can verify the functions of navigating the hierarchy on Location view, so that I can ensure that the application is bug free on integration test level.	1. navigateable hierarchie 2. database entities are reflected in Location view 3. all test have to pass	JP
68	2	2	Testing and Refining	Testing Device view integration test	As an administrator, I can verify the functions of navigating the hierarchy on Testing Device view, so that I can ensure that the application is bug free on integration test level.	1. navigateable hierarchie 2. database entities are reflected in Testing Device view 3. all test have to pass	JP
89	2	5	Refining Application	Performance Optimization	As an user, I would like to have a minimum wait time in displaying the elements in every view, that I can get results quickly.	1. loading period shorter 2. test with more UPS Clients	Martin
90	2	3	Refining Application	XML Input	As an administrator I can add Testing Devices at run time via XML input that I can reflect quickly changing environment.	1. adding of Testing Devices during run time possible 2. adding via XML	Martin
101	2	3	Refining Application	XML Adaptation	As an administrator I can remove Testing Devices from one Production Hall to another within the same Factroy, so that I register or unregister Testing Devices in different Halls.	1. registering and unregistering of Testing Devices 2. registering and unregistering via XML	Martin

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsibility
3	1	1	5	5	Process management	Project kickoff with industry partner	As a team member, I need to participate the workshop, so that I can have the cooperation with our industry partner who provides information, requirements and exisiting legacy for this project as much as possible.	1. kickoff workshop was conducted 2. industry partner was briefed 3. university team was briefed 4. requirements for the first steps are clear	Chris, Martin, Jan-Philipp, Yao, Kathrin
4	1	1	5	5	User Interface	Codebase: First executable code	As a team member, I am able to see the first version of executable code, so that show some simple htmls.	1. code available in svn repository 2. simple html output	Chris, Martin, Jan-Philipp
5	1	1	5	5	User Interface	Mockups: Rough first version	As a team member, I need to have the same awareness and global understanding of the layout of U/I as others according to the first version of mockups containing on the views on each layer, so that I can make sure our communication is on the same page and efficient.	1. first viewable demo mockups 2. general understanding of possible U/I implementation of the team	Yao, Jan-Philipp
1	1	2	1	1	Infrastructure	Code repository	As a team member, I need access to the SVN code repository, so that I can review and check the sourse as well.	all team members have access	Jan-Philipp
2	1	2	1	1	Infrastructure	Set up communication channels	As a team member, we share all communication channels (dropbox, google docs, skype accounts for developers), so that we can support flawless community.	1. all email addresses are known; 2. dropbox folder created and shared; 3. google docs created and shared; 4. skype accounts among developer shared	Chris, Martin, Jan-Philipp
6	1	2	5	8	Mechanism Demo: U/I	Navigation Feature: Global view (Presenting)	As a user, I need a Global view, so that I can see a exemplary factories of Audi with flag of country, company logo(AUDI) and aggregated status in the term of traffic lights presenting factory-level quality and testing information are demonstrated	1. *correct demonstration of global view; 2. flag of country and company logo are correctly presented (next to the cooresponding facorty city); 3. local factories' aggregated status in the term of traffic lights presenting factory-level quality and testing information is correctly presented; *refer to layout design <Global view> in <mockup>	Chris, Martin, Jan-Philipp
7	1	2	3	5	Mechanism Demo: U/I	Navigation Feature: Global view (Action)	As a user, I need a global view, so that I can click the factory area and zoom into the cooresponding factory afterwards.	1. the factory areas are clickable 2. after clicking, i can zoom into the next level of view	Chris, Martin, Jan-Philipp

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsibility
8	1	2	5	5	Mechanism Demo: U/I	Navigation Feature: Factory view (Presenting - Gerneral Information)	As a user, I need a Factory view, so that I can see gerneral information of the current factory, including the name of factory, exemplary description of factory (vehicle models produced there, size of staff, quantity of produced vehicles)	1. *correct demonstration of Factory view; 2. the name of factory and description of factory (vehicle models produced there, size of staff, quantity of produced vehicles) information are correctly presented; *refer to layout design <Factory view> in <01_Mockup>	Chris, Martin, Jan-Philipp
9	1	2	5	5	Mechanism Demo: U/I	Navigation Feature: Factory view (Presenting - Layout of Factory)	As a user, I need a Factory view, so that I can see an exemplary layout of the current factory with all the Production Halls	1. *correct demonstration of factory view; 2. the layout of the current factory with all the Production Halls are correctly presented; *refer to layout design <Factory view> in <01_Mockup>	Chris, Martin, Jan-Philipp
10	1	2	3	3	Mechanism Demo: U/I	Navigation Feature: Factory view (Action)	As a user, I need a Factory View, so that I can click on an exemplary Production Hall to zoom into the cooresponding Production Hall Level.	1. the Production Hall areas are clickable; 2. after clicking, i can zoom into the next level of view;	Chris, Martin, Jan-Philipp
11	1	3	5	5	Mechanism Demo: U/I	Navigation Feature: Production Hall view (Presenting - Gerneral Information)	As a user, I need a Production Hall view, so that I can see gerneral information of the current Production Hall, including exemplary number of staff, production capacity, and examplary aggregated status in the terms of traffic lights presenting Assembly-Line-level quality and testing information which are demonstrated at the top-right corner.	1. demonstration of Production Hall view - refer to <01_Mockup>; 2. the number of staff and production capacity information are presented; 3. local Assembly Lines' aggregated status in the term of traffic lights presenting Production-Hall-level quality and testing information is presented;	Chris, Martin, Jan-Philipp
12	1	3	8	8	Mechanism Demo: U/I	Navigation Feature: Production Hall view (Presenting - Layout of Production Hall)	As a user, I need a Production Hall view, so that I can see the layout of the current Production Hall with all the Assembly lines, whereas every Assemly Line is attached with traffic lights presenting Assembly-Line-level quality and testing information.	1. demonstration of Production Hall view - refer to <01_Mockup>; 2. the layout of the current Production Hall with all the Assembly Lines are presented; 3. each local Assembly Line's aggregated status in the term of traffic lights presenting Assembly-Line-level quality and testing information is presented;	Chris, Martin, Jan-Philipp

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsibility
13	1	3	3	3	Mechanism Demo: U/I	Navigation Feature: Production Hall view (Action)	As a user, I need a the Production Hall view, so that I can click on a Assembly Line to look into the cooresponding Assembly Line level.	1. the Assembly Line areas are clickable; 2. after clicking, i can look into the next level of view;	Chris, Martin, Jan-Philipp
14	1	3	8	8	Administration	Configurable Factory meta data	As an administrator, I would like to configure the meta data of different factories, that all factories are initialised.	1. numbers of factories can be defined 2. demonstration based on <01_Mockup>	Martin, Jan-Philipp
15	1	4	3	2	Mechanism Demo: U/I	Navigation Feature: Assembly Line view (Presenting - Gerneral Information)	As a user, I need a Assembly Line view, so that I can see an exemplary gerneral information of the current Assembly Line, including production series names, production capacity and aggregated status in the terms of traffic lights presenting Assembly-Line-level quality and testing information which are demonstrated at the top-left corner.	1. demonstration of Assembly Line view - refer to <mockup>; 2. production series names and production capacity information; 3. local Assembly Lines' aggregated status in the term of traffic lights presenting Assembly-Line-level quality and testing information;	Chris, Martin, Jan-Philipp
16	1	4	3	2	Mechanism Demo: U/I	Navigation Feature: Assembly Line view (Presenting - Layout of Assembly Line)	As a user, I need a Assembly Line view, so that I can see the layout of the current Assembly Line with all the Locations, where every Location is attached with traffic lights presenting Location-level quality and testing information.	1. demonstration of Assembly Line view - refer to <01_Mockup>; 2. the layout of the current Assembly Line with all the Locations within this Assembly Line are presented; 3. each local Location's aggregated status in the term of traffic lights presenting Assembly-Line-level quality and testing information is presented;	Chris, Martin, Jan-Philipp
17	1	4	3	3	Mechanism Demo: U/I	Navigation Feature: Assembly Line view (Action)	As a user, I need a Assembly Line view, so that I can click on a Location to look into the cooresponding Location level.	1. the Location areas are clickable; 2. after clicking, i can look into the next level of view;	Chris, Martin, Jan-Philipp
18	1	4	3	2	Mechanism Demo: U/I	Navigation Feature: Location view (Presenting - Gerneral Information)	As a user, I need a Location view, so that I can see an exemplary gerneral information of the current Location, including the number of the types of testing devices, device serial numbers and aggregated status in the terms of traffic lights presenting Location-level quality and testing information which are demonstrated at the top-left corner.	1. demonstration of Location view - refer to <mockup>; 2. the number of the types of testing devices and device serial numbers; 3. local Assembly Lines' aggregated status in the term of traffic lights presenting Location-level quality and testing information;	Chris, Martin, Jan-Philipp

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsibility
19	1	4	3	2	Mechanism Demo: U/I	Navigation Feature: Location view (Presenting - Testing Devices)	As a user, I need a Location view, so that I can see an exemplary list of testing devices which are used in that Location and are attached with traffic lights presenting Testing-Device-level quality and testing information.	1. demonstration of Location view - refer to <01_Mockup>; 2. a exemplary list of testing devices which are used in the current Location; 3. each local Testing device's aggregated status in the term of traffic lights presenting Testing-Device-level quality and testing information;	Chris, Martin, Jan-Philipp
20	1	4	3	3	Mechanism Demo: U/I	Navigation Feature: Location view (Action)	As a user, I need a Location view, so that I can click on a Testing Device on the list to look into the cooresponding Testing Device level.	1. the IDs of Testing Devices are attached with a link and clickable; 2. after clicking, i can look into and check the detailed information contained in this Testing Device.	Chris, Martin, Jan-Philipp
21	1	4	3	2	Mechanism Demo: U/I	Navigation Feature: Testing Device view (Presenting)	As a user, I need a Testing Device view, so that I can see an exemplary list of tested Electronical Components with shows a brief description about quality and testing information, such as test status, component category, trouble period and responsible sectors.	1. demonstration of Testing Device view - refer to <01_Mockup>; 2. an exemplary list of tested Electronical Components	Chris, Martin, Jan-Philipp
22	1	4	3	3	Mechanism Demo: U/I	Navigation Feature: Testing Device view (Action)	As a user, I need a Testing Device view, so that I can click on a tested Electronical Component on the list to look into the cooresponding Trouble Electrical Component level.	1. for any trouble Electronical Component, a link is attached and clickable; 2. after licking, I can look into detailded and associated information;	Chris, Martin, Jan-Philipp
23	1	4	3	3	Mechanism Demo: U/I	Navigation Feature: Trouble Electrical Component view (Presenting)	As a user, I need a Trouble Electrical Component view, so that I can exemplary see detailed information about the current Trouble Electronical Component, such as ID, component serial number, test status, component category, trouble occurrence time, trouble occurrence site, responsible sector, shift responsible and so on, displayed in a Modal Dialog Box. A print button for printing this information is provided and set at the top-right conner.	1. detailed information about the current Trouble Electronical Component, such as ID, component serial number, test status, component category, trouble occurrence time, trouble occurrence site, responsible sector, shift responsible and so on, displayed in a Modal Dialog Box; 2. A print button for printing this information is provided and set at the top-right corner;	Chris, Martin, Jan-Philipp
25	1	5	2	2	Mechanism Demo: U/I	Navigation Feature: Promotion Navigation Control (Presenting)	As a user, I need a hierachical promotion navigation link, so that I can go to upper level views.	a promotion navigation link in a hierachical structure is presented on the top of every page	Chris

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsibility
26	1	5	5	5	Mechanism Demo: U/I	Navigation Feature: Promotion Navigation Control (Action)	As a user, I need to employ a hierachical promotion link, so that I can go to upper level views.	1. after clicking on a hierachical promotion, jump back to the expected upper level views	Chris
28	1	5	8	5	Data Reflection: toward U/I	Reporting Feature: Global Layer	As an administrator, I need to insert/update the data for Global view in a database, so that the up-to-date data for Global view can reflected.	1. Factory instances configured/stored in the database are displayed in the Global view; 2. aggregated statuses in the term of traffic lights presenting Global-level quality and testing information are presented; 3. the columns and attributes in <02_Database Design> and <03_Audi Input Data> should be reflected;	Martin
29	1	5	8	8	Data Reflection: toward U/I	Reporting Feature: Factory Layer	As an administrator, I need to insert/update the data for factory layer in database, so that the up-to-date data for factory view can reflected.	1. Production Hall instances configured/stored in the database are displayed in the Factory view; 2. aggregated statuses in the term of traffic lights presenting Factory-level quality and testing information are presented; 3. the columns and attributes in <02_Database Design> and <03_Audi Input Data> should be reflected;	Jan Philipp
27	1	6	5	5	Mechanism Demo: U/I	Navigation Feature: Factory view	As a user, I need to see a exemplary factory plan, that I can click on a certain area on the plan to go to in the next view.	1. factory plan is presented in Factory view as drawn in <01_Mockup>;	Chris
30	1	6	3	3	Mechanism Demo: U/I	Navigation Feature: Production Hall View	As a user, I need to see a exemplary Production Hall plan, that I can click on a certain area on the plan to go to the next view	1. Production Hall plan is displayed in Production Hall view as drawn in <01_Mockup>;	Chris
32	1	6	5	5	Data Reflection: toward U/I	Reporting Feature: Production Hall Layer	As an administrator, I need to insert/update the data for Production Hall Layer in database, so that the up-to-date data for Production Hall view can be reflected.	1. Assembly Line instances configured/stored in the database are displayed in the Production Hall view; 2. aggregated statuses in the term of traffic lights presenting Production-Hall-level quality and testing information are presented;	Martin

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsibility
34	1	6	5	5	Data Reflection: toward U/I	Reporting Feature: Assembly Line Layer	As an administrator, I need to insert/update the data for Assembly Line layer in the database, so that the up-to-date data for Assembly line layer can be reflected.	1. Location view instances configured/stored in the database are displayed in the Assembly Line view; 2. aggregated statuses in the term of traffic lights presenting Assembly-Line-level quality and testing information are presented;	JP
33	2	7	2	2	Data Reflection: toward U/I	Reporting Feature: Production Hall Layer (U/I-DB attributes alignment)	As an administrator, I need to configure the table for Production Hall Layer in the database, so that the attributes of Production Hall view on U/I can be reflected with up-to-date data.	1. the columns and attributes in <02_Database Design> and <03_Audi Input Data> should be reflected;	JP
35	2	7	2	2	Data Reflection: toward U/I	Reporting Feature: Assembly Line Layer (U/I-DB attributes alignment)	As an administrator, I need to configure the table for Assembly Line Layer in the database, so that the attributes of Assembly Line view on U/I can be reflected with up-to-date data.	1. the columns and attributes in <02_Database Design> and <03_Audi Input Data> should be reflected;	JP
36	2	7	3	2	Data Reflection: toward U/I	Reporting Feature: Location Layer (supplementary requirement)	As an administrator, I need to insert/update the data for the Location Layer in a database, so that the up-to-date data for Location view can be reflected.	1. Assembly Line instances configured/stored in the database are displayed in the Testing Device view; 2. aggregated statuses in the term of traffic lights presenting Location-level quality and testing information are presented;	Martin
37	2	7	2	2	Data Reflection: toward U/I	Reporting Feature: Location Layer (U/I-DB attributes alignment)	As an administrator, I need to configure the table for Location Layer in the database, so that the attributes of Location view on U/I can be reflected with up-to-date data.	1. the columns and attributes in <02_Database Design> and <03_Audi Input Data> should be reflected;	Martin
38	2	7	3	2	Data Reflection: toward U/I	Reporting Feature: Testing Device Layer	As an administrator, I need to insert/update the data for Testing Device Layer in database, so that the up-to-date data for Testing Device view can be reflected.	1. Assembly Line instances configured/stored in the database are displayed in the Testing Device view; 2. aggregated statuses in the term of traffic lights presenting Testing-Device-level quality and testing information are presented;	JP

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsibility
39	2	7	2	2	Data Reflection: toward U/I	Reporting Feature: Testing Device Layer (U/I-DB attributes alignment)	As an administrator, I need to configure the table for Testing Device Layer in the database, so that the attributes of Testing Device view on U/I can be reflected with up-to-date data.	1. the columns and attributes in <02_Database Design> and <03_Audi Input Data> should be reflected;	JP
40	2	7	3	2	Data Reflection: toward U/I	Reporting Feature: Trouble Electrical Component Layer	As an administrator, I need to insert/update the data for Trouble Electrical Component Layer in database, so that the up-to-date data for Trouble Electrical Component view can be reflected.	1. Assembly Line instances configured/stored in the database are displayed in the Testing Device view; 2. aggregated statuses in the term of traffic lights presenting Trouble-Electrical-Component-level quality and testing information are presented;	Martin
41	2	7	2	2	Data Reflection: toward U/I	Reporting Feature: Trouble Electrical Component Layer (U/I-DB attributes alignment)	As an administrator, I need to configure the table for Trouble Electrical Component Layer in the database, so that the attributes of Trouble Electrical Component view on U/I can be reflected with up-to-date data.	1. the columns and attributes in <02_Database Design> and <03_Audi Input Data> should be reflected;	Martin
42	2	7	5	3	Mechanism Demo: U/I	Overall Layout Design Clean-up	A a user, I need to see the the layout designed in a common standard, aligned with Audi Corporate Design, so that I can feel familiar with this application.	1. layout is designed similar to audi.de;	Chris
43	2	7	5	3	Mechanism Demo: U/I	Overall Layout Design Clean-up	As a user, I need to see the layout designed to Audi colors and fonts, so that I feel familiar with this application.	1. fonts and colors designed similar to audi.de;	Chris
44	2	8	3	3	Implementation	Navigation Feature: Global view (Presenting)	As a user, I need a Global view, so that I can see all the factories of Audi in global range, marked with a pin at the corresponding city of the factory.	1. Text Fields: filled with business data from Audi, refer to <06_Audi Input Business Data>, such as (1) length tolerance (2) size tolerance 2. Layout: demonstration of Global view, including placing pins(representing each factory), positioning focus and so on - refer to <01_Mockup>	Chris
45	2	8	5	5	Implementation	Navigation Feature: Global view (Action)	As a user; I need a Global view, so that I can see the aggragated staus is refreshed automatically in every minute.	1. Aggregated status is refreshed every minute at every factory.	Chris

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsibility
46	2	8	2	2	Implementation	Navigation Feature: Factory view (Presenting-1)	As a user, I need a Factory view of the Audi's factory in Ingolstadt, so that I can see the layout of the Factory with all the Production Halls, where the Factory and every Production Hall are attached with traffic lights presenting Factory-level and Production-Hall-level quality and testing information, respectively.	1. Text Fields: filled with business data from Audi, refer to <06_Audi Input Business Data>, such as: (1) length tolerance (2) size tolerance (3) Number of employees: 35.386 (31.12.2012) (4) Vehicle production a year: 551.889 / anno (5) Vehicle production a day: 2,580 (6) Brands: Audi (7) Models: Audi A3, Audi A3 Sportback, Audi S3	Martin
47	2	8	5	3	Implementation	Navigation Feature: Factory view (Presenting-2)	As a user, I need a Factory view of the Audi's factory in Ingolstadt, so that I can see the layout of the Factory with all the Production Halls, where the Factory and every Production Hall are attached with traffic lights presenting Factory-level and Production-Hall-level quality and testing information, respectively.	2. Layout: (1) demonstration of Factory view, including partitioning Production Halls, coloring the Production Halls, positioning focus and so on - refer to <01_Mockup>; (2) aggregated statuses in the term of traffic lights presenting Factory-level and Production-Hall-level quality and testing information are presented;	JP
49	2	8	2	2	Implementation	Navigation Feature: Production Hall view (Presenting-1)	As a user, I need a Production Hall view in the factory of Ingolstadt, so that I can see the layout of the every selected Production Hall with all the Assembly lines, where the Production Hall and every Assemly Line are attached with traffic lights presenting Production-Hall-level and Assembly-Line-level quality and testing information, repectively.	1. Text Fields: (1) filled with business data from Audi, refer to <06_Audi Input Business Data>;	Martin
50	2	8	3	2	Implementation	Navigation Feature: Production Hall view (Presenting-2)	As a user, I need a Production Hall view in the factory of Ingolstadt, so that I can see the layout of the every selected Production Hall with all the Assembly lines, where the Production Hall and every Assemly Line are attached with traffic lights presenting Production-Hall-level and Assembly-Line-level quality and testing information, repectively.	2. Layout: (1) demonstration of Production Hall view, including partitioning Assembly Lines, coloring the Assembly Lines, positioning focus and so on - refer to <01_Mockup>; (2) aggregated statuses in the term of traffic lights presenting Production-Hall-level quality and testing information are presented;	JP

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsibility
52	2	8	2	2	Implementation	Navigation Feature: Assembly Line View (Presenting)	As a user, I need a Assembly Line view in the factory of Ingolstadt, so that I can see the information of the current Assembly Line (Name of Hall, Line Section, Locations) and the layout of the every selected Assembly lines all the testing devices, where the Assembly lines and every testing device are attached with traffic lights presenting Assembly-Line-level and Testing-Device-level quality and testing information, repectively.	1. Text Fields: filled with business data from Audi, refer to <06_Audi Input Business Data> (1) length tolerance (2) size tolerance 2. Layout: (1) demonstration of Assembly Line view, including listing testing devices, prioritising testing devices and so on - refer to <01_Mockup>; (2) aggregated statuses in the term of traffic lights presenting Assembly-Line-level and Testing-Device-level quality and testing information are presented;	Martin
54	2	8	2	2	Implementation	Navigation Feature: Testing Device view (Presenting)	As a user, I need a Testing Device view in the factory of Ingolstadt, so that I can see the information of the current Testing Device (Type of Component, Brief description, Position of component, Name of component, Network status, IP Address) and the list of the every selected Testing Device and all the Electrical Components, where the Testing Device and Electrical Components are attached with traffic lights presenting Testing-Device-level and Electrical-Component-level quality and testing information, repectively.	1. Text Fields: filled with business data from Audi, refer to <06_Audi Input Business Data> (1) length tolerance (2) size tolerance 2. Layout: (1) demonstration of Testing Device view, including listing Electrical Components, prioritising Electrical Components and so on - refer to <01_Mockup>; (2) aggregated statuses in the term of traffic lights presenting Testing Device-level and Electrical-Component-level quality and testing information are presented;	Martin
56	2	9	1	0	Implementation	Navigation Feature: Trouble Electrical Component View (Presenting)	As a user, I need a Trouble Electrical Component view in the factory of Ingolstadt, so that I can see the specific information of clicked Trouble Electrical Component.	1. Text Fields: filled with business data from Audi, refer to <06_Audi Input Business Data> (1) length tolerance (2) size tolerance	JP
78	2	9	3	3	Supplemental Implementation	Sorting and Filtering	As a user, I can see the aggregated status in views as a ordered list, that I can see the most critical status on top of the list.	1. ordered list in Assembly line, Location view, Testing Device view; 2. ordering as red, yellow, green, grey;	JP
79	2	9	5	5	Supplemental Implementation	Aggregation of status	As an administrator, I need different definitions for aggregated status, so that I can configure the percentage of statuses in each view.	1. percentag of traffic light configurable; 2. schemes of calculating;	Martin

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsibility
80	2	9	5	3	Supplemental Implementation	Sorting and Filtering	As a user, I neet the filter function in Assembly line view, Location view and Testing Device view, so that I can check the records for specific needs.	1. filtering regarding attributes visibility;	JP
81	2	9	5	2	Supplemental Implementation	Sorting and Filtering	As a user, I neet the filter function in Assembly line view, Location view and Testing Device view, so that I can sort the records for specific needs.	1. sorting records is possible;	JP
75	2	10	3	3	Supplemental Implementation	Navigation Feature: Testing Device view (Presenting)	As a user, I need four colours of quality and testing status in Testing Device view which represent the four level statuses of Electrical Components that I can see the current status of the device itself.	1. connection via XML file to AUDI data 2. current status of device presented with red, yellow, green and grey 3. caption on lower left side: Green = OK, yellow = warning, red = critical, grey = unknown	Martin
77	2	10	8	8	Supplemental Implementation	Browser	As a user, I can browse through the application with the Internet Explorer 8, that I can use the application on my personal computer.	1. application is running with IE8	Chris
82	2	10	2	2	Testing and Bug reporting	Global view test	As an administrator, I need to verify the functions of reporting features on Global view, so that I can ensure that the application is bug free on unit test level.	1. all data is presented correctly in business objects in Global view 2. wrong data in database is capsulated, that no error in business objects are reflected	Martin
83	2	10	1	3	Testing and Bug reporting	Factory view unit test	As an administrator, I need to verify the functions of reporting features on Factory view, so that I can ensure that the application is bug free on unit test level.	1. all data is presented correctly in business objects in Factory view 2. wrong data in database is capsulated, that no error in business objects are reflected	Martin
84	2	10	2	2	Testing and Bug reporting	Production Hall view	As an administrator, I need to verify the functions of reporting features on Production Hall view, so that I can ensure that the application is bug free on unit test level.	1. all data is presented correctly in business objects in Production Hall view 2. wrong data in database is capsulated, that no error in business objects are reflected	JP
85	2	10	2	2	Testing and Bug reporting	Assembly Line view	As an administrator, I need to verify the functions of reporting features on Assembly Line view, so that I can ensure that the application is bug free on unit test level.	1. all data is presented correctly in business objects in Assembly Line view 2. wrong data in database is capsulated, that no error in business objects are reflected	JP
86	2	10	2	2	Testing and Bug reporting	Location view unit test	As an administrator, I need to verify the functions of reporting features on Location view, so that I can ensure that the application is bug free on unit test level.	1. all data is presented correctly in business objects in Location view 2. wrong data in database is capsulated, that no error in business objects are reflected	JP

#	Rel.	Sprint	Est. Effort	Real Effort	Category	Short Name	Item Description	Acceptance Criteria	Responsibility
87	2	10	1	1	Testing and Bug reporting	Testing Device view	As an administrator, I need to verify the functions of reporting features on Testing Device view, so that I can ensure that the application is bug free on unit test level.	1. all data is presented correctly in business objects in Testing Device view 2. wrong data in database is capsulated, that no error in business objects are reflected	JP
88	2	10	1	1	Testing and Bug reporting	Trouble Electrical Component view	As an administrator, I need to verify the functions of reporting features on Trouble Electrical Component view, so that I can ensure that the application is bug free on unit test level.	1. all data is presented correctly in business objects in Trouble Electrical Component view 2. wrong data in database is capsulated, that no error in business objects are reflected	JP

Sprint	SCRUM Master	Review / Release Manager
1	Chris	Martin
2	Kathrin	Martin
3	Yao	Jan-Philipp
4	Martin	Chris
5	Kathrin	Jan-Philipp
6	Chris	Martin
7	Jan-Philipp	Chris
8	Yao	Jan-Philipp
9	Kathrin	Martin
10	Martin	Chris

Number	Impediment	Solution	Originator	Contactor	Status
1	no communication channels fixed	Communication: Straighten, Make it more synchronous	Kathrin	Kathrin	done
2	no single point of contact defined	Communication contact: Everything will be sent to Kathrin, she will send out anything	Kathrin	Kathrin	done
3	no test data from Audi available	Get test data from AUDI asap	Chris, Martin, Jan-Philipp	Chris	done
4	no weekly sprint checklist available	Create checklist for weekly deliverables in new google docs	Chris	Chris	done
5	where are components located?	Check location of components with Audi	Chris, Martin, Jan-Philipp	Chris	done
6	no data dictionary from Audi available	Data dictionary (defintions of relevant data) from Audi	Yao	Chris	done
7	different understanding of "Location"	discussion in group	Chris	Kathrin	done
8	different understanding of wording	show Audi the first version of the application	group	Kathrin	done
9	the definition of warning level (what the minimun percentages are for correspoinding colors in the traffic lights to presenting warning level)	Check Audi standards after comparing Japanese automotive standards	Yao, Kathrin	Kathrin	done
10	more input from Audi	Request for information to Audi	Chris, Martin	Kathrin	done
11	discussion topics preparation for the meeting with Audi	Prepare discussion topics individually and each member is in charge of one major issue.	Yao	Kathrin	done
12	Internet Explorer 8 is a challenge	keep feature till next sprint(s) / alternative: fallback	Chris	-	done