

Meeting Minutes

(TINF20C, SWE I Praxisprojekt 2021/2022)

Project: Modelling Wizard for Cable Models

Customer: Rentschler & Holder
Rotebühlplatz 41
70178 Stuttgart

Project Team: Team 2 (Leon Amtmann, Calvin Friedrich, Max Gohlke, Kevin Pauer, Thorsten Rausch, Tim Sellemann, Fabian Thomé)
Rotebühlplatz 41
70178 Stuttgart

Version	Date	Author
0.01	06.10.2021	Friedrich
0.02	07.10.2021	Friedrich
0.03	15.10.2021	Friedrich
0.04	16.10.2021	Friedrich
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0.23	03.05.2022	Friedrich
0.24	04.05.2022	Friedrich
0.25	05.05.2022	Friedrich
1.0	06.05.2022	Friedrich

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Meeting Minutes #1

Date	06.10.2021
Time	16:00 – 18:00
Protocol	Calvin Friedrich
Attendants	Calvin Friedrich, Max Gohlke, Kevin Pauer, Thorsten Rausch, Tim Sellemann, Fabian Thomé
Topics	<ol style="list-style-type: none"> General organization: <ul style="list-style-type: none"> Scheduling will happen with a Trello board Collecting information about the requested files Begin planning for CRS
Problems	#1: Not all exercises are perfectly understood
Solutions	#1: Request for customer meeting by mail and accumulation of points to be agreed with the customer
To do	-

Meeting Minutes #2

Date	07.10.2021
Time	11:30 – 12:30
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Max Gohlke, Kevin Pauer, Thorsten Rausch, Markus Rentschler (Customer), Tim Sellemann, Fabian Thomé
Topics	<ol style="list-style-type: none"> Question and answer session with the customer: <ul style="list-style-type: none"> Basic requirement: Web-based application Current state: user selects features -> Product selection is adjusted according to filter criteria Comparative analysis of the different suppliers Target state: user selects characteristics -> Product is assembled from the individual parts => Assembled cable should be output as AutomationML table
Problems	-
Solutions	-
To do	First task: CRS

Meeting Minutes #3

Date	15.10.2021
Time	10:30 – 11:30
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Max Gohlke, Kevin Pauer, Tim Sellemann, Fabian Thomé
Topics	<ol style="list-style-type: none"> 1. Creation of GitHub repository 2. Split into two groups: <ul style="list-style-type: none"> • Group 1: Business Case (Kevin Pauer, Tim Sellemann) • Group 2: Customer Requirements Specification (Leon Amtmann, Calvin Friedrich, Max Gohlke, Fabian Thomé)
Problems	#1: Requirement: English documentation
Solutions	#1: Revision of all existing files
To do	Usability concept and analysis of existing solutions

Meeting Minutes #4

Date	16.10.2021
Time	10:00 – 12:00
Protocol	Calvin Friedrich
Attendants	Calvin Friedrich, Kevin Pauer
Topics	<ol style="list-style-type: none"> 1. Analysis of existing solutions <ul style="list-style-type: none"> • Balluff Verwaltungsgesellschaft mbH • Phoenix Contact GmbH & Co. KG • Murrelektronik GmbH • U.I. Lapp GmbH • HARTING Deutschland GmbH & Co. KG
Problems	-
Solutions	-
To do	-

Meeting Minutes #5

Date	19.10.2021
Time	18:30 – 19:30
Protocol	Calvin Friedrich
Attendants	Calvin Friedrich, Kevin Pauer, Tim Sellemann
Topics	1. Working on BC <ul style="list-style-type: none"> • Cover sheet • Scope • Profitable Benefits
Problems	-
Solutions	-
To do	-

Meeting Minutes #6

Date	21.10.2021
Time	15:45 – 17:45
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich
Topics	1. Working on CRS <ul style="list-style-type: none"> • Product usage • Business processes • Use cases • Features
Problems	-
Solutions	-
To do	-

Meeting Minutes #7

Date	22.10.2021
Time	09:30 – 10:30
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Max Gohlke, Kevin Pauer, Thorsten Rausch, Tim Sellemann, Fabian Thomé
Topics	<ol style="list-style-type: none"> Refinement CRS and BC <ul style="list-style-type: none"> Result: Sent to customer Request for feedback First deadline successfully met
Problems	-
Solutions	-
To do	-

Meeting Minutes #8

Date	29.10.2021
Time	11:30 – 12:30
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Max Gohlke, Kevin Pauer, Thorsten Rausch, Markus Rentschler (Customer), Tim Sellemann, Fabian Thomé
Topics	<ol style="list-style-type: none"> Customer review of CRS and BC <ul style="list-style-type: none"> Result: Detailed feedback with improvement approaches
Problems	-
Solutions	-
To do	Additional revision

Meeting Minutes #9

Date	29.10.2021
Time	11:30 – 12:30
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Max Gohlke, Kevin Pauer, Thorsten Rausch, Tim Sellemann, Fabian Thomé
Topics	<ol style="list-style-type: none"> 1. Planning date for upcoming projects: <ul style="list-style-type: none"> • SAS (Max Gohlke, Thorsten Rausch, Tim Sellemann) • SRS (Leon Amtmann, Calvin Friedrich, Fabian Thomé)
Problems	-
Solutions	-
To do	All documents mentioned above are due till 07.11.2021

Meeting Minutes #10

Date	05.11.2021
Time	09:00 – 12:00
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Max Gohlke, Kevin Pauer, Thorsten Rausch, Tim Sellemann, Fabian Thomé
Topics	<ol style="list-style-type: none"> 1. Refactoring CRS based on customer feedback and working on SRS (Leon Amtmann, Calvin Friedrich, Fabian Thomé) 2. Refactoring BC based on customer feedback (Kevin Pauer) 3. Working on SAS (Max Gohlke, Thorsten Rausch, Tim Sellemann) 4. Collecting ideas for actual development (Max Gohlke, Thorsten Rausch, Tim Sellemann)
Problems	-
Solutions	-
To do	Presentation and start of development

Meeting Minutes #11

Date	07.11.2021
Time	15:30 – 19:00
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Max Gohlke, Kevin Pauer, Thorsten Rausch, Tim Sellemann, Fabian Thomé
Topics	<ol style="list-style-type: none"> 1. Preparing for customer presentation 2. Prototyping (Thorsten Rausch)
Problems	-
Solutions	-
To do	Development

Meeting Minutes #12

Date	12.11.2021
Time	08:30 – 10:30
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Max Gohlke, Christian Holder (Customer), Kevin Pauer, Thorsten Rausch, Markus Rentschler (Customer), Fabian Thomé
Topics	<ol style="list-style-type: none"> 1. Customer presentation 2. Detailed customer feedback 3. Documentation: Summary of customer feedback
Problems	-
Solutions	-
To do	Rework project documentation based on key findings from the customer feedback

Meeting Minutes #13

Date	11.03.2022
Time	10:30 – 12:00
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Kevin Pauer, Thorsten Rausch, Markus Rentschler (Customer), Fabian Thomé
Topics	<ol style="list-style-type: none"> 1. Current status 2. Further procedure 3. Prototyping GUI and what information is needed from API
Problems	#1: Loss of Test Manager (Tim Sellemann) and Junior Developer (Max Gohlke) #2: No real cable data available
Solutions	#1: Division of labor between frontend and backend for faster development; Technical Editor takes over tasks of the Test Manager #2: Request cable data from customer
To do	Getting development going

Meeting Minutes #14

Date	18.03.2022
Time	08:30 – 12:00
Protocol	Calvin Friedrich
Attendants	Calvin Friedrich, Kevin Pauer, Thorsten Rausch
Topics	<ol style="list-style-type: none"> 1. Detailed planning frontend 2. Detailed requirements API
Problems	-
Solutions	-
To do	Implementation; communication of requirements to backend team

Meeting Minutes #15

Date	18.03.2022
Time	08:30 – 12:00
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Fabian Thomé
Topics	<ol style="list-style-type: none"> 1. Development of API in Flask 2. Set up first attempt of an API
Problems	#1: No data for cable models
Solutions	-
To do	Review with frontend: Does the API meet the requirements?

Meeting Minutes #16

Date	24.03.2022
Time	13:00 – 15:00
Protocol	Calvin Friedrich
Attendants	Calvin Friedrich, Kevin Pauer, Thorsten Rausch
Topics	<ol style="list-style-type: none"> 1. Finished GUI prototype with dummy data
Problems	-
Solutions	-
To do	Filling the dummy with real data from the API

Meeting Minutes #17

Date	08.04.2022
Time	08:30 – 12:00
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Kevin Pauer, Thorsten Rausch, Fabian Thomé
Topics	<ol style="list-style-type: none"> 1. Cable models have been sent in the meantime (see Meeting Minutes #13; Solution #2) 2. Exchange of information between frontend and backend teams
Problems	#1: Cable model does not match backend implementation
Solutions	#1: Redevelopment of the backend with C#
To do	Primarily backend development

Meeting Minutes #18

Date	22.04.2022
Time	09:20 – 11:00
Protocol	Calvin Friedrich
Attendants	Calvin Friedrich, Kevin Pauer, Thorsten Rausch
Topics	<ol style="list-style-type: none"> 1. Review schedule 2. First prototype of the new backend
Problems	#1: Senior Developer and Technical Editor ill
Solutions	-
To do	Backend development must be driven forward, Documentations are to be created

Meeting Minutes #19

Date	29.04.2022
Time	16:00 – 17:00
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Kevin Pauer, Thorsten Rausch, Fabian Thomé
Topics	<ol style="list-style-type: none"> Emergency Meeting: <ul style="list-style-type: none"> Backend not ready Documentation to a large extent not started yet Tests not yet started
Problems	#1: Previous communication often deficient, Project status not as far as it should be
Solutions	#1: Daily Meetings
To do	Top priority: Finished backend

Meeting Minutes #20

Date	30.04.2022
Time	13:00 – 13:30
Protocol	Calvin Friedrich
Attendants	Calvin Friedrich, Kevin Pauer, Thorsten Rausch, Fabian Thomé
Topics	<ol style="list-style-type: none"> Presentation Senior Developer: <ul style="list-style-type: none"> getCable() works -> API returns IDs Attributes also retrievable from API Editor demonstration by project manager
Problems	#1: Different attributes depending on the manufacturer
Solutions	#1: Differentiation in filtering options, etc.
To do	Backend, documentation

Meeting Minutes #21

Date	01.05.2022
Time	13:00 – 14:00
Protocol	Calvin Friedrich
Attendants	Calvin Friedrich, Kevin Pauer, Thorsten Rausch, Fabian Thomé
Topics	<ol style="list-style-type: none"> 1. Presentation Senior Developer: <ul style="list-style-type: none"> • Advancement API • Attributes that do not exist simply return NULL for the time being (see Meeting Minutes #20, Problem #1) 2. Enhancement Editor 3. Overview view online now
Problems	#1: Pins, wires and connectors not connected in backend output
Solutions	#1: fixed later (see Meeting Minutes #23)
To do	Problem #1, backend and documentation

Meeting Minutes #22

Date	02.05.2022
Time	12:15 – 12:30
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Kevin Pauer, Thorsten Rausch, Fabian Thomé
Topics	<ol style="list-style-type: none"> 1. Further advancements backend 2. Deadline: Documents must be submitted on 06 May 3. Frontend: More filter options, Connection with backend works well
Problems	-
Solutions	-
To do	Implement creation of new cables, Integration Editor, Tests

Meeting Minutes #23

Date	03.05.2022
Time	15:15 – 16:15
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Kevin Pauer, Thorsten Rausch, Fabian Thomé
Topics	<ol style="list-style-type: none"> 1. Editor is implemented now, does not get the correct data yet 2. Backend: <ul style="list-style-type: none"> • Delete Cables • Meeting Minutes #21 Problem #1 solved 3. Prettier overview view
Problems	#1: Murrelektronik does not provide attributes
Solutions	-
To do	Finish Editor, tests, create AML Files, MOD documentation

Meeting Minutes #24

Date	04.05.2022
Time	11:00 – 11:30
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Kevin Pauer, Thorsten Rausch, Fabian Thomé
Topics	<ol style="list-style-type: none"> 1. Editor gets the correct data 2. Detailed frontend documentation 3. Work on STP has begun (often delayed due to no finished product, but needs to be done with current state of the product for submission on 06 May) 4. Basic data validation in frontend (mandatory attributes, IDs not modifiable), partly implemented validation in backend
Problems	-
Solutions	-
To do	Further data validation in backend, create AML Files, execute tests, implement delete in frontend

Meeting Minutes #25

Date	05.05.2022
Time	12:45 – 13:15
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Kevin Pauer, Thorsten Rausch, Fabian Thomé
Topics	<ol style="list-style-type: none"> API <ul style="list-style-type: none"> Base64 encoded cables can be saved as files (3.0) Can create cables now Frontend <ul style="list-style-type: none"> Delete implemented Provides base64 encoded cables for backend Library can be downloaded STP finished, tests started with implemented tasks
Problems	<p>#1: CORS error when creating cables (frontend to backend communication)</p> <p>#2: AML files miss values for attributes and connections between pins, wires and connectors</p>
Solutions	<p>#1: Fixed</p> <p>#2: Fixed later (see MeetingMinutes #26)</p>
To do	Problem #1, #2, add files to library, finish tests, STR

Meeting Minutes #26

Date	06.05.2022
Time	12:15 – 13:15
Protocol	Calvin Friedrich
Attendants	Leon Amtmann, Calvin Friedrich, Kevin Pauer, Thorsten Rausch, Fabian Thomé
Topics	<ol style="list-style-type: none"> API finished, fully implemented responses Connections between pins, etc. work in AML files (see Meeting Minutes #25, Problem #2) Tests finished User Manual finished
Problems	-
Solutions	-
To do	STR