FROM INSPIRATION TO INNOVATION

VISIONS FOR MODERN FORMS DEVELOPMENT, 9TH DEC 2024 | F. C. HOFFMANN, COLOGNE DATA GMBH

Bill Friend
1979-1985

Version 1,2

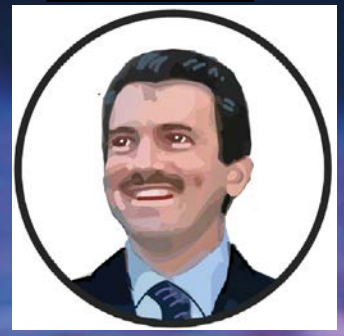
C-PROGRAM
TRIGGER
ARCHITECTURE
Reports

Sohaib Abbasi
1985-2003

Version 3,4,5,6

PL/SQL
SCREENBUILDER
WINDOWS GUI
C/S and WEB (IOT)

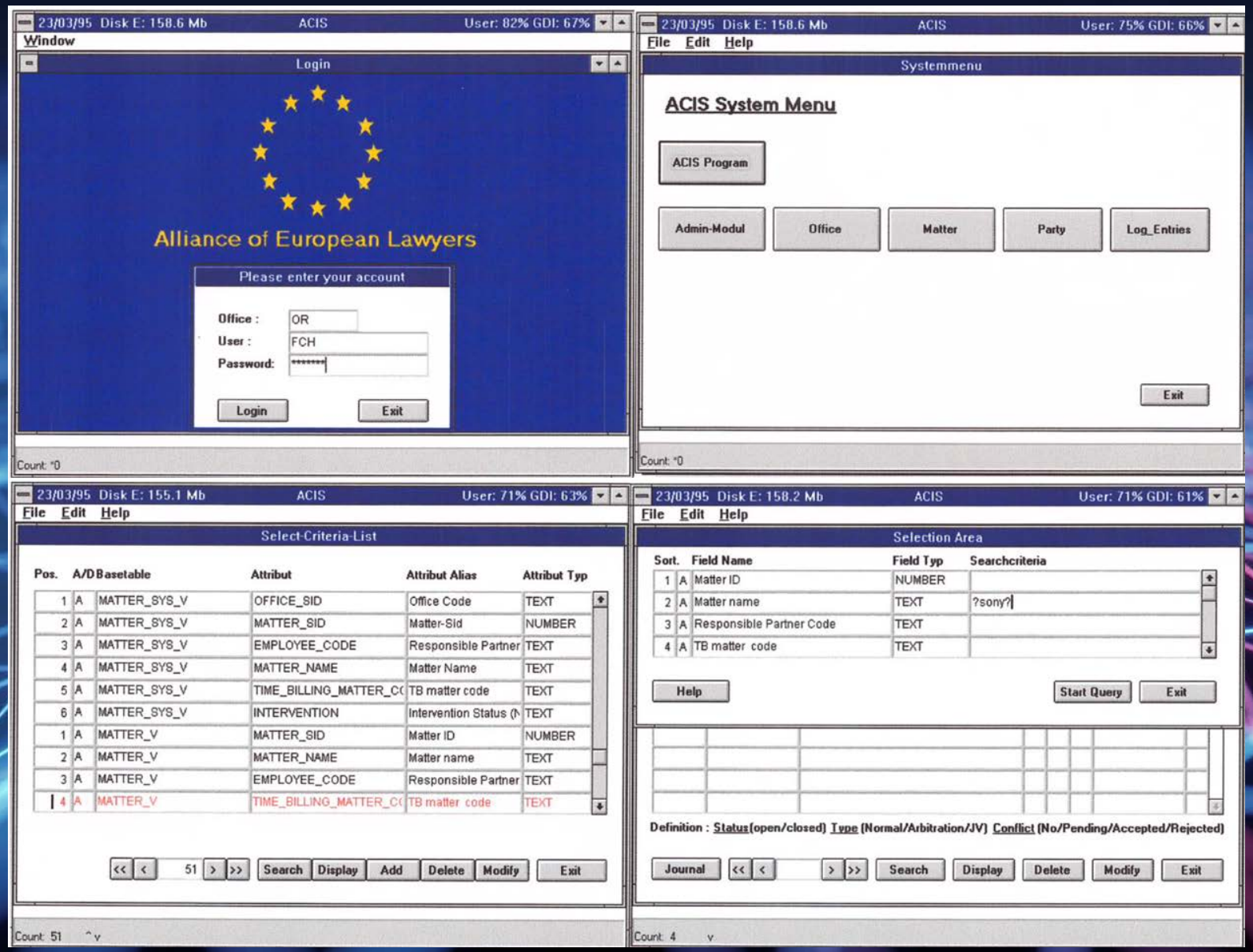
Michael Ferrante
2011-2035



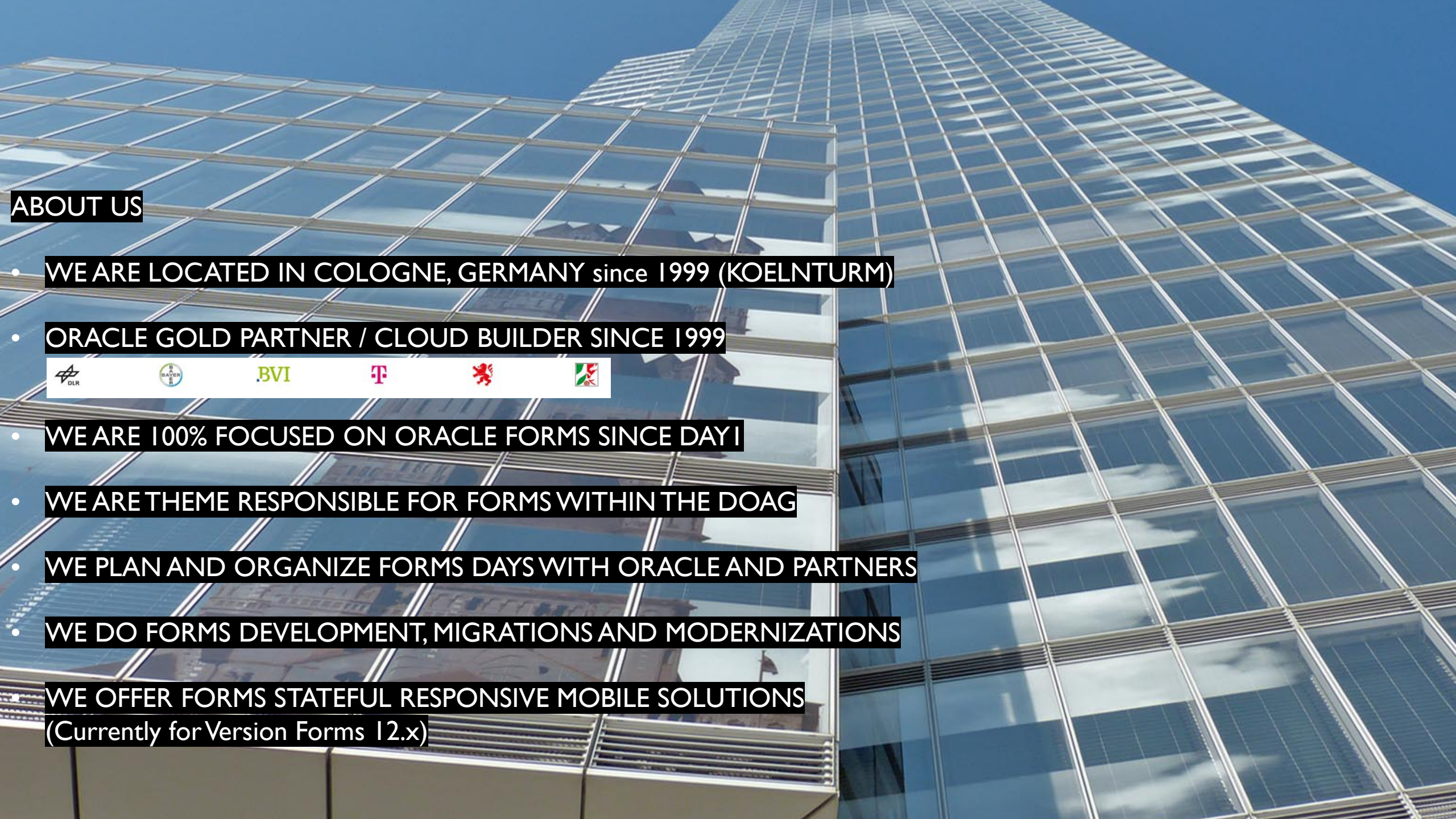
Versions 12,14,15..

FSAL (Browserless)
GUI Modernization
REST Service
New UX Features

THE LEADING INNOVATION LEGENDS!!
(Birthday PARTY 2029 – 50 Years of Forms)



Forms Developer since 1994



ABOUT US

- WE ARE LOCATED IN COLOGNE, GERMANY since 1999 (KOELNTURM)
- ORACLE GOLD PARTNER / CLOUD BUILDER SINCE 1999
- WE ARE 100% FOCUSED ON ORACLE FORMS SINCE DAY1
- WE ARE THEME RESPONSIBLE FOR FORMS WITHIN THE DOAG
- WE PLAN AND ORGANIZE FORMS DAYS WITH ORACLE AND PARTNERS
- WE DO FORMS DEVELOPMENT, MIGRATIONS AND MODERNIZATIONS
- WE OFFER FORMS STATEFUL RESPONSIVE MOBILE SOLUTIONS (Currently for Version Forms 12.x)

I am active in Social Media ..What do I hear?

Forms looks old ..

With Forms 14.1.2 you can create a web like design

Forms/Reports is running out of support

14.1.2 has 5Y premium support - until 2030+

Forms is an Monolith

14.1.2 brings a native REST Service

Forms is not / can not be responsive

It can be reponsive or even full responsive

Forms 12 is the last release for the product

Forms 14.1.2(LTR) is announces for 2024

Forms 15.1.1(STR) is announced for 2025

Statement of direction Fusion Middleware, Page 4

- Fusion Middleware 14.1.2 is a major release for the suite. Oracle intends that customers will be able to upgrade to 14.1.2 when it is released and have the standard five (5) years of Premier Support and three (3) years of Extended Support.
- The dates for Premier and Extended Support for Fusion Middleware 12.2.1.4 are published in Oracle Fusion Middleware Lifetime Support Policy (https://www.oracle.com/us/assets/lifetime-support-middleware-069163.pdf).
- Oracle intends to designate Fusion Middleware 14.1.2 as a Long Term Support release as it is defined in Oracle Fusion Middleware Error Correction Policy (Doc ID: 209768.1).
- Oracle intends to release Fusion Middleware 14.1.2 in Calendar Year 2024.

WebLogic Server and Coherence 15.1.1

Oracle plans continued enhancements to the Fusion Middleware product line following the release of Fusion Middleware 14.1.2. In particular, Oracle plans to deliver a new major release of WebLogic Server and Coherence, WebLogic Server and Coherence 15.1.1, in CY2025.

https://www.oracle.com/a/ocom/docs/middleware/fusion-middleware-statement-of-direction.pdf
[last page visit 8.12.2024]

There are great tools to extend Forms:

- Microsoft Power BI for statistics
- PL/PDF as REPORTS REPLACEMENT
- FORMS API MASTER FOR AUTO UPGRADES
- HIGHCHARTS.COM
- MOD_OWA (open SOURCE) Apache plugin
- FORMS MOBILE API (VAADIN HTML/CSS)
- (only Forms 12 yet)

Conclusion:

- I would recommend to upgrade your Forms version to Forms 14.1.2 and use it until at least 2030.
- I would recommend to start new projects with 14.1.2 (Modern. Restful. Responsive.)

TOPICS

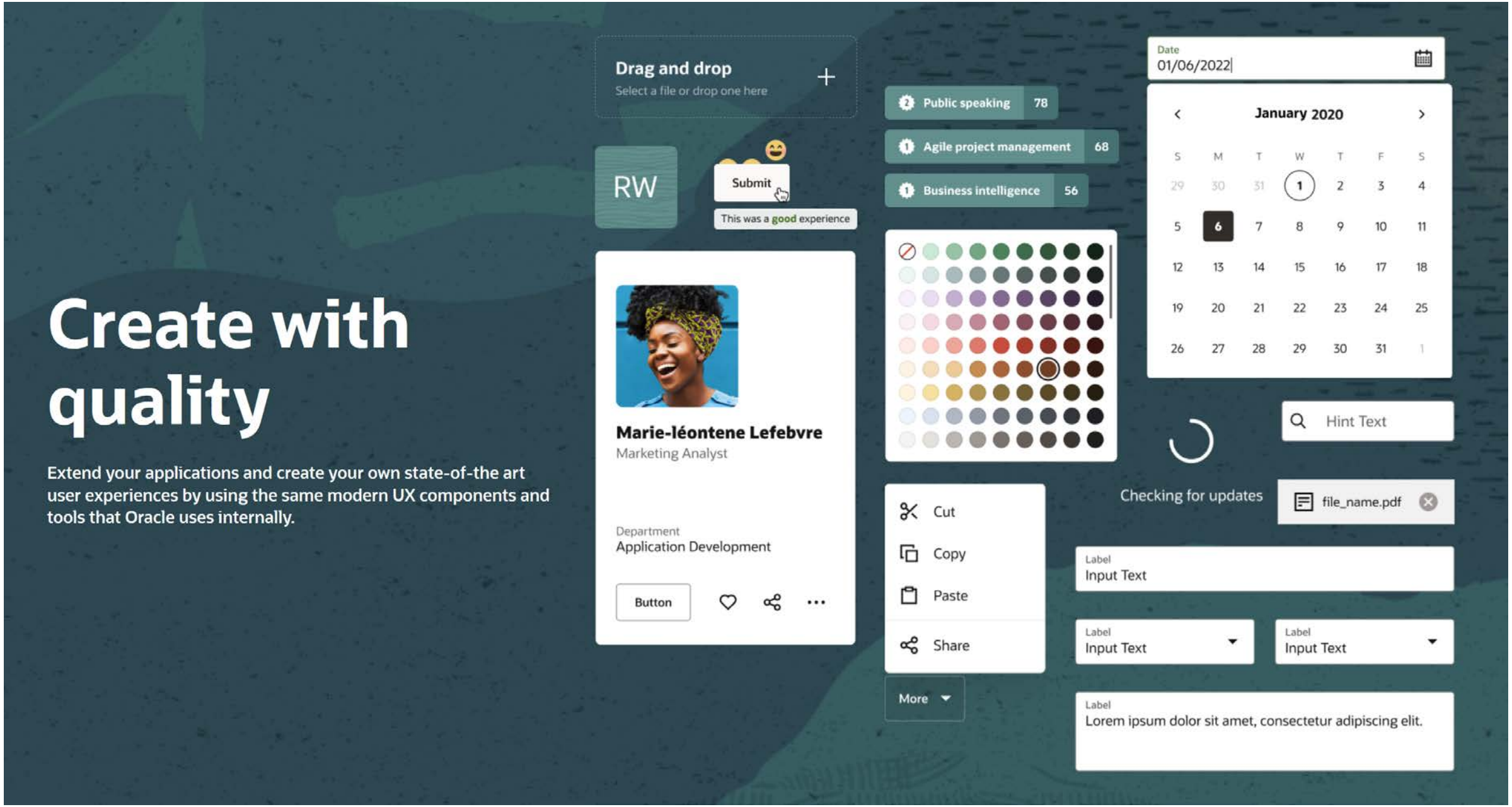
- NATIVE FORMS GUI MODERNIZATION.
- FORMS WITH (FULL) RESPONSIVE DESIGN
- NOCODE FORMS LIVE SCREENBUILDER

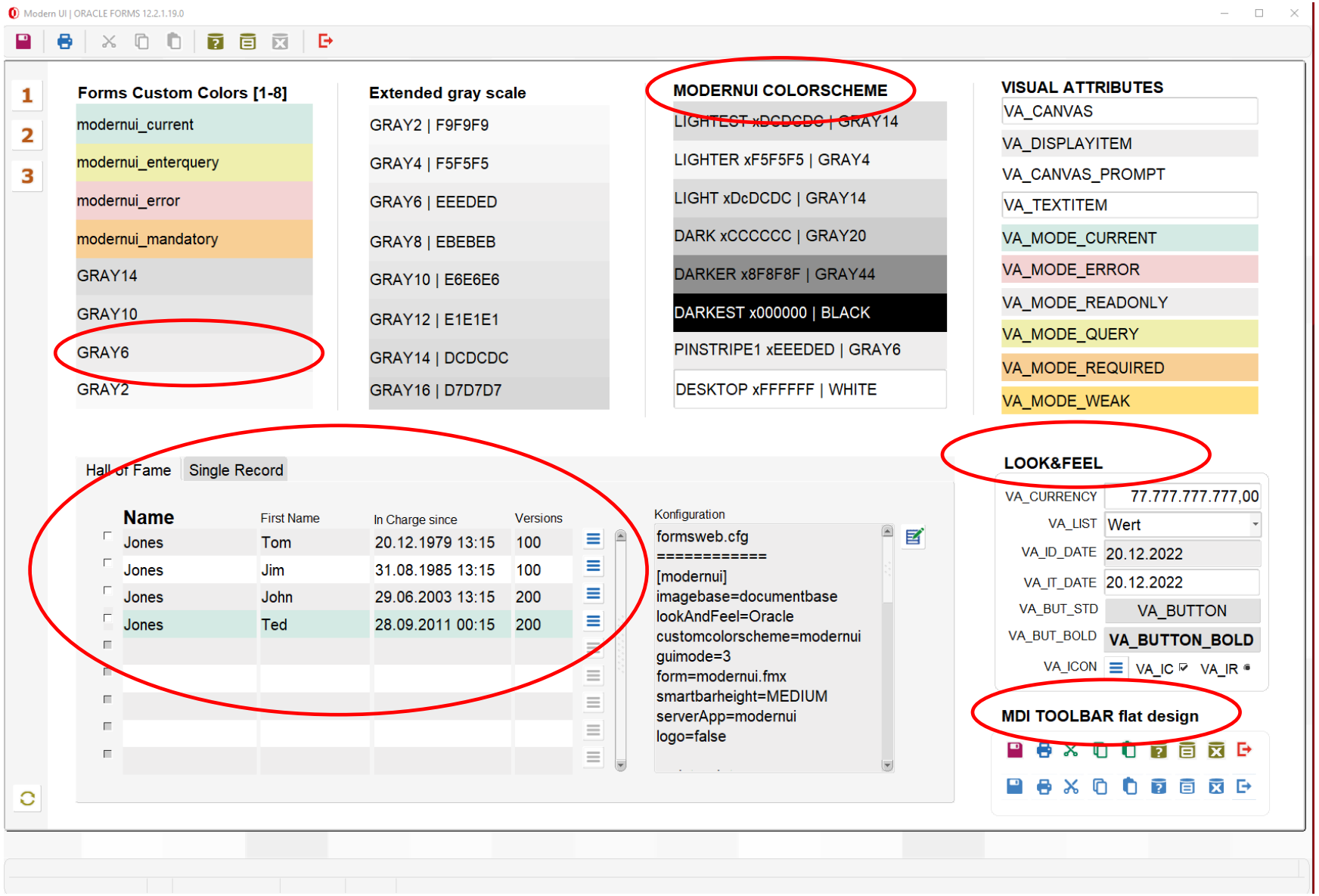
Topic I (NATIVE MODERNIZATION)
DOAG 2023 K&A

Every successful product needs UI Modernization

MERCEDES BENZ NEW UI DESIGN

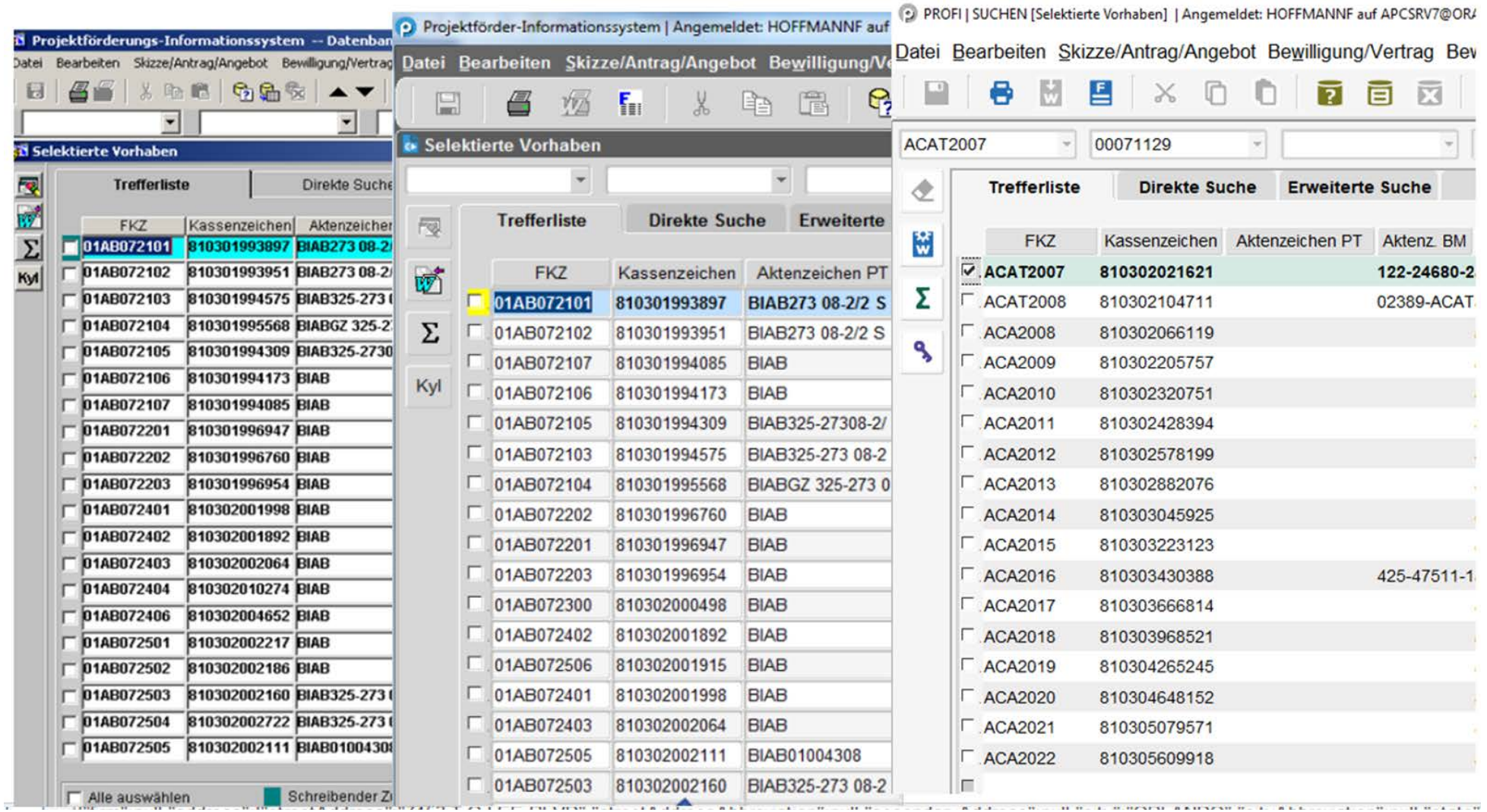
ORACLE Redwood UI/UX Design (Visual Builder)




Modern UI | ORACLE FORMS 12.2.1.19.0
1
2
3
Forms Custom Colors [1-8]
modernui_current
modernui_enterquery
modernui_error
modernui_mandatory
GRAY14
GRAY10
GRAY6
GRAY2
Extended gray scale
GRAY2 | F9F9F9
GRAY4 | F5F5F5
GRAY6 | EEEDED
GRAY8 | EBEBEB
GRAY10 | E6E6E6
GRAY12 | E1E1E1
GRAY14 | DCDCDC
GRAY16 | D7D7D7
MODERNUI COLORSCHEME
LIGHTEST xDCDCDC | GRAY14
LIGHTER xF5F5F5 | GRAY4
LIGHT xDcDCDC | GRAY14
DARK xCCCCCC | GRAY20
DARKER x8F8F8F | GRAY44
DARKEST x000000 | BLACK
PINSTRIPE1 xEEEDED | GRAY6
DESKTOP xFFFFFF | WHITE
VISUAL ATTRIBUTES
VA_CANVAS
VA_DISPLAYITEM
VA_CANVAS_PROMPT
VA_TEXTITEM
VA_MODE_CURRENT
VA_MODE_ERROR
VA_MODE_READONLY
VA_MODE_QUERY
VA_MODE_REQUIRED
VA_MODE_WEAK
Hall of Fame
Single Record
Name
First Name
In Charge since
Versions
Jones
Tom
20.12.1979 13:15
100
Jones
Jim
31.08.1985 13:15
100
Jones
John
29.06.2003 13:15
200
Jones
Ted
28.09.2011 00:15
200
Konfiguration
formsweb.cfg
==========
[modernui]
imagebase=documentbase
lookAndFeel=Oracle
customcolorscheme=modernui
guimode=3
form=modernui.fmx
smartbarheight=MEDIUM
serverApp=modernui
logo=false
LOOK&FEEL
VA_CURRENCY
77.777.777.777,00
VA_LIST
Wert
VA_ID_DATE
20.12.2022
VA_IT_DATE
20.12.2022
VA_BUT_STD
VA_BUTTON
VA_BUT_BOLD
VA_BUTTON_BOLD
VA_ICON
VA_IC
VA_IR
MDI TOOLBAR flat design

Migration mit Facelift with Forms 12

Forms 6i (1999) → Forms 12.2.(2015) → Forms 12.2.1.4 **TODAY**



Basisdaten | Vorhabenbeschreibung | Vorhabenbeteiligte | Personen | Gesamtfinanzierung

Abrechnungsart	Ressort	Ministerium/PT	FKZ
AZA	BMBF	BF	AAC2007

Gesamtfinanzierungsplan

☐ Summenbezogen

für die Zeit vom 01.01.2007 bis 31.12.2007

			Datum HH-Stand 24.01.2008 08:56		Vorheriger Bearbeitungsstand
A) Personalausgaben	Personenmonate				
0811		TVöD/TVL E 12 bis E 15	34.452,00	0812	34.452,00
0816		TVöD/TVL E 1 bis E 11	3.222,72	0817	3.223,00
0819		Sonstige	2.892,13	0820	5.850,00
		Beschäftigungsentgelte	0,00	0822	0,00
		Summe A	40.566,85	0824	43.525,00
B) Sächliche Verwaltungsausgaben					
Gegenstände bis 800/410/400 €			0,00	0831	0,00
Mieten	0832				
Rechnerkosten	0833		7.587,00	0834	7.587,00
Vergabe von Aufträgen			0,00	0835	0,00
Verbrauchsmaterial	0838				
Geschäftsbedarf	0839				
Literatur	0840				
	0841				
	0842		437,79	0843	3.000,00
Dienstreisen/Inland	0844				
Dienstreisen/Ausland	0845		2.417,95	0846	12.000,00
		Summe B	10.442,74	0847	22.587,00
		Summe C	0,00	0850	0,00
C) Gegenstände und andere Investitionen > 800/410/400 €					
D) Gesamtausgaben		**Summe A-C**	51.009,59	0861	66.112,00
E) Übersicht über die Finanzierung					
Eigenmittel des/der Antragsteller(s)/(in)			0,00	0862	0,00

Festlegung

Datum HH-Stand 24.01.2008

Jahr	0861 Gesamtausgaben	0862 Eigenmittel	0863 Mittel Dritter	0864 Zuwendungsbetrag	0865 Kassenmäßige Inanspruchnahme
	51.009,59	0,00	0,00	51.009,59	51.009,59
2007					**51.009,59**
2008					0,00

Erklärungen

E33 ☑ Der Gesamtfinanzierungsplan enthält keine Personalausgaben, die durch öffentliche Haushalte gedeckt sind und unter den Positionen 0831/0850 keine Investitionsausgaben, die primär der Grundausstattung dienen.

E33a ☐ Die veranschlagten Ausgaben für Gegenstände bis zu 410/800 € im Einzelfall (0831) und Gegenstände und andere Investitionen über 410/800 € im Einzelfall (0850) sind primär nicht der Grundausstattung zuzurechnen bzw. vorhandene Gegenstände können nicht genutzt werden (NABF und AnBest-GK).

E34 ☑ Das Vorhaben ist oder wird nicht anderweitig mit Zuwendung oder Auftrag öffentlich finanziert.

E34 ☐ Das Vorhaben ist oder wird anderweitig mit Zuwendung oder Auftrag öffentlich finanziert in Höhe von 0,00

durch Frank Hoffmann

E40 - E42 Durch das Vorhaben entstehen ☑ keine Folgeausgaben ☐ voraussichtlich nachstehende Folgeausgaben

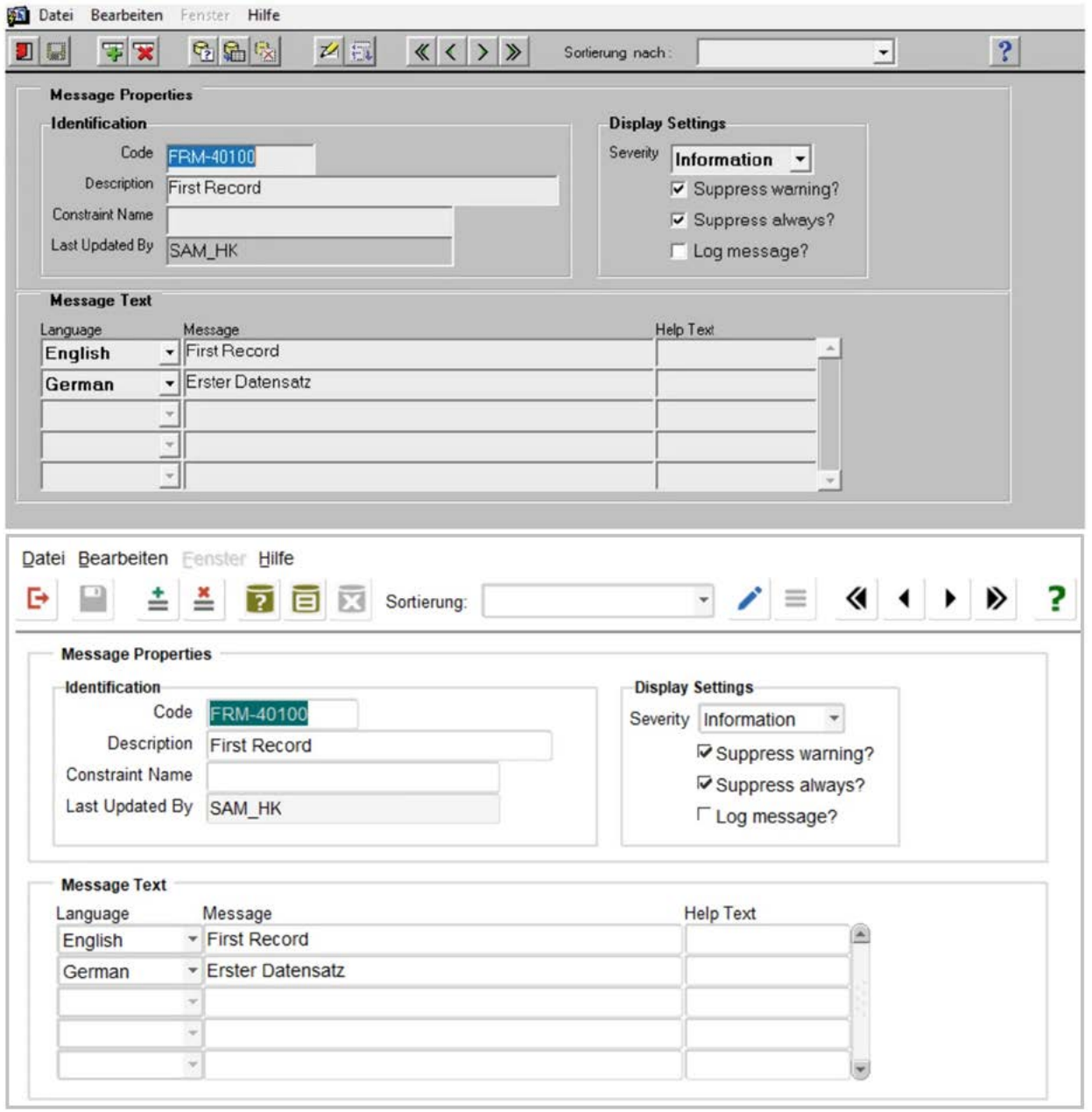
UI Example with a Designer 2000 100% generated Forms application

LookAndFeel=Oracle
CustomColorScheme, Custom Colors
GUIMODE
SMARTBARHEIGHT
NEW FLAT ICONSDESIGN
SIZE Pulldownmenu
FULL HD Usage,

Forms API Master Script:

1. Step
Migration 6i-> 12.2.1.4
PIXEL/INCH, Webutil, Automatic
Codechange with Inline Documentation

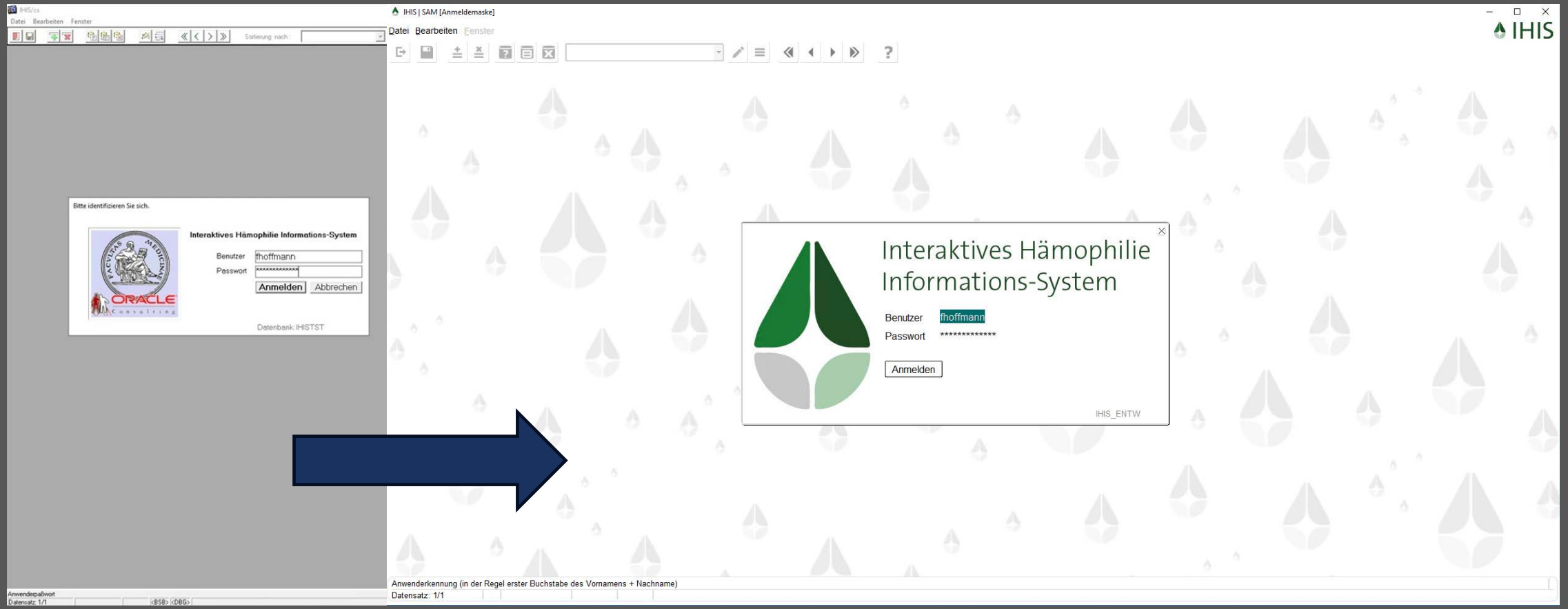
2. Step
Modernization with 12.2.1.4 features
Modified Boilerplate Items
(TEXT,LINES)
FONT SIZE, TYPE, COLOR



1999

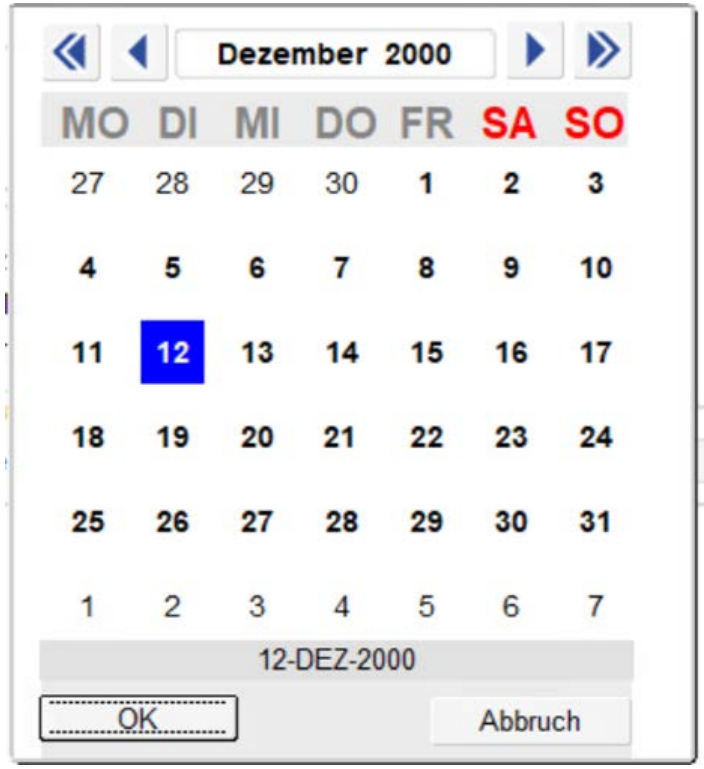
2024

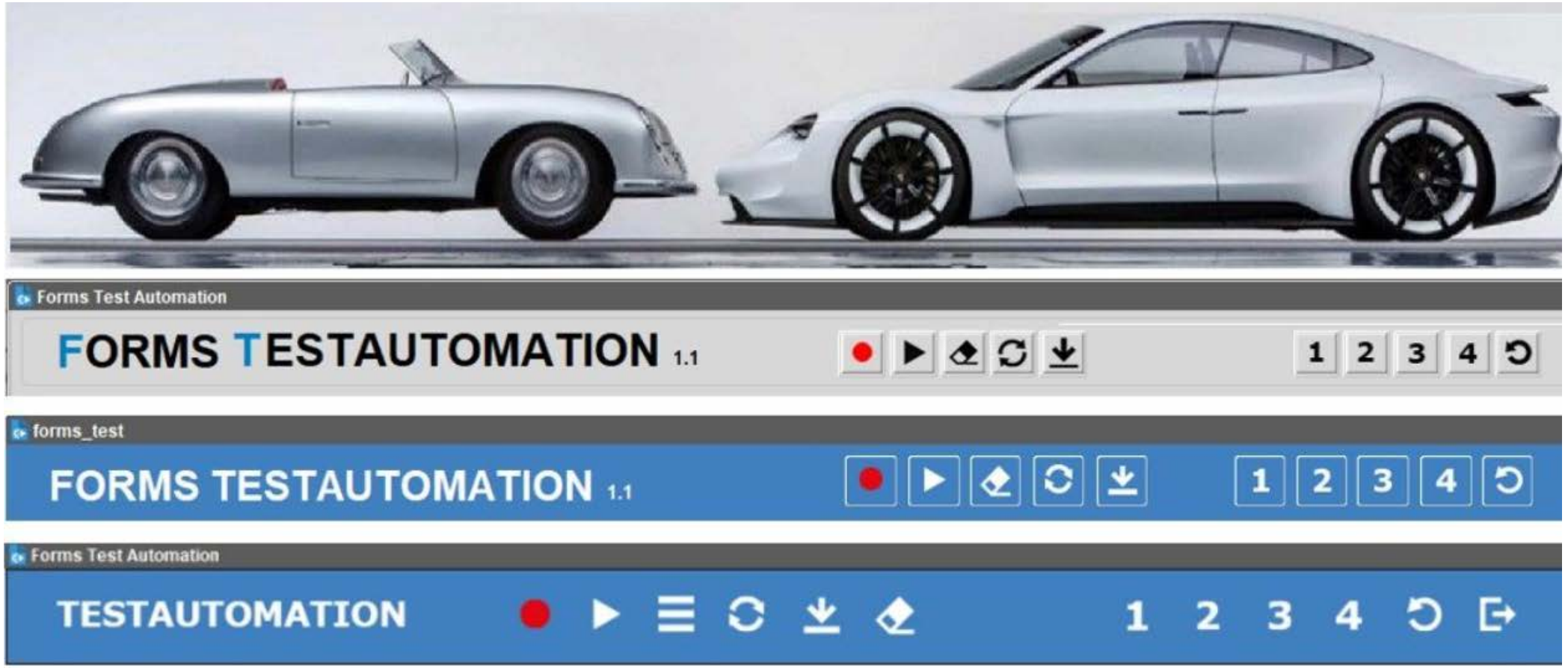
1999 2024



Background Image, Logos, Window Close Button, Screen Size, Modul Name on top

From 6i to Forms 14 in two steps





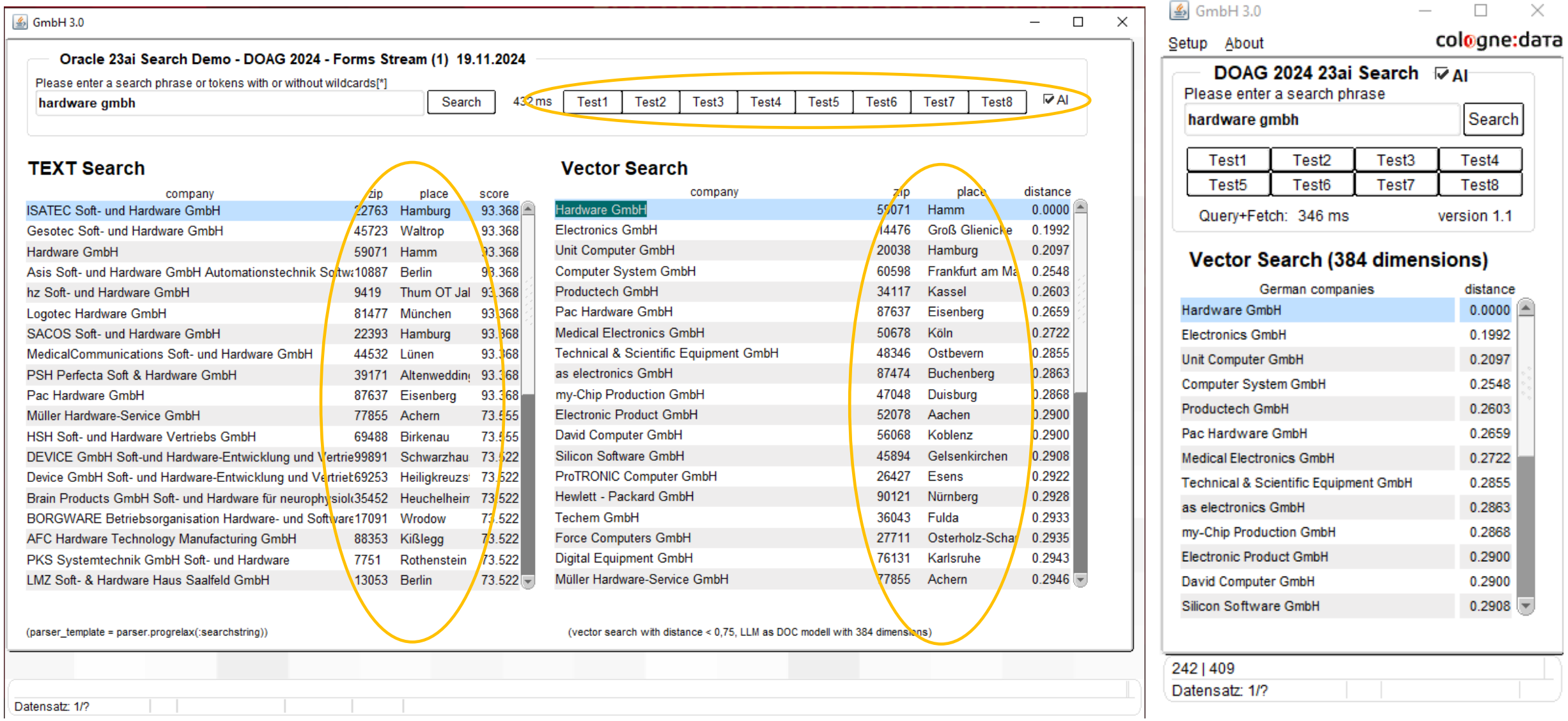
Canvas Color: Blue (r25g50b75) clickable IMAGE Items (Design style Windows10) – cool and sexy

Topic II (RESPONSIVE DESIGN and
HTML Forms Solutions)
DOAG 2024 K&A

Recht.nrw.de

Das Design ist responsive durch CSS 3 und Media Queries

https://recht.nrw.de


GmbH 3.0
Oracle 23ai Search Demo - DOAG 2024 - Forms Stream (1) 19.11.2024
Please enter a search phrase or tokens with or without wildcards[*]
hardware gmbh
Search
432 ms
Test1 Test2 Test3 Test4 Test5 Test6 Test7 Test8
AI
TEXT Search
company zip place score
ISATEC Soft- und Hardware GmbH 22763 Hamburg 93.368
Gesotec Soft- und Hardware GmbH 45723 Waltrop 93.368
Hardware GmbH 59071 Hamm 93.368
Asis Soft- und Hardware GmbH Automationstechnik Softwa 10887 Berlin 93.368
hz Soft- und Hardware GmbH 9419 Thum OT Jal 93.368
Logotec Hardware GmbH 81477 München 93.368
SACOS Soft- und Hardware GmbH 22393 Hamburg 93.368
MedicalCommunications Soft- und Hardware GmbH 44532 Lünen 93.368
PSH Perfecta Soft & Hardware GmbH 39171 Altenweddin 93.368
Pac Hardware GmbH 87637 Eisenberg 93.368
Müller Hardware-Service GmbH 77855 Achern 73.522
HSH Soft- und Hardware Vertriebs GmbH 69488 Birkenau 73.522
DEVICE GmbH Soft-und Hardware-Entwicklung und Vertrie 99891 Schwarzhau 73.522
Device GmbH Soft- und Hardware-Entwicklung und Vertrieb 69253 Heiligkreuzs 73.522
Brain Products GmbH Soft- und Hardware für neurophysiol 35452 Heuchelheim 73.522
BORGWARE Betriebsorganisation Hardware- und Software 17091 Wrodow 73.522
AFC Hardware Technology Manufacturing GmbH 88353 Kißlegg 73.522
PKS Systemtechnik GmbH Soft- und Hardware 7751 Rothenstein 73.522
LMZ Soft- & Hardware Haus Saalfeld GmbH 13053 Berlin 73.522
(parser_template = parser.progrelax(:searchstring))
Vector Search
company zip place distance
Hardware GmbH 59071 Hamm 0.0000
Electronics GmbH 14476 Groß Glienicke 0.1992
Unit Computer GmbH 20038 Hamburg 0.2097
Computer System GmbH 60598 Frankfurt am Ma 0.2548
Productech GmbH 34117 Kassel 0.2603
Pac Hardware GmbH 87637 Eisenberg 0.2659
Medical Electronics GmbH 50678 Köln 0.2722
Technical & Scientific Equipment GmbH 48346 Ostbevern 0.2855
as electronics GmbH 87474 Buchenberg 0.2863
my-Chip Production GmbH 47048 Duisburg 0.2868
Electronic Product GmbH 52078 Aachen 0.2900
David Computer GmbH 56068 Koblenz 0.2900
Silicon Software GmbH 45894 Gelsenkirchen 0.2908
ProTRONIC Computer GmbH 26427 Esens 0.2922
Hewlett - Packard GmbH 90121 Nürnberg 0.2928
Techem GmbH 36043 Fulda 0.2933
Force Computers GmbH 27711 Osterholz-Scha 0.2935
Digital Equipment GmbH 76131 Karlsruhe 0.2943
Müller Hardware-Service GmbH 77855 Achern 0.2946
(vector search with distance < 0,75, LLM as DOC modell with 384 dimensions)
Datensatz: 1/?
GmbH 3.0
Setup About
cologne:data
DOAG 2024 23ai Search
AI
Please enter a search phrase
hardware gmbh
Search
Test1 Test2 Test3 Test4
Test5 Test6 Test7 Test8
Query+Fetch: 346 ms
version 1.1
Vector Search (384 dimensions)
German companies distance
Hardware GmbH 0.0000
Electronics GmbH 0.1992
Unit Computer GmbH 0.2097
Computer System GmbH 0.2548
Productech GmbH 0.2603
Pac Hardware GmbH 0.2659
Medical Electronics GmbH 0.2722
Technical & Scientific Equipment GmbH 0.2855
as electronics GmbH 0.2863
my-Chip Production GmbH 0.2868
Electronic Product GmbH 0.2900
David Computer GmbH 0.2900
Silicon Software GmbH 0.2908
242 | 409
Datensatz: 1/?

FORMS AS STATEFUL HTML SOLUTION?

- Project Cherokee?

Forms as active HTML solution

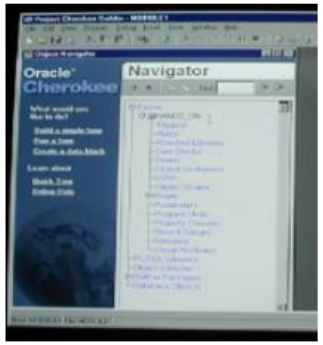
Forms as stateful HTML solution?

News Open-World (1.10-6.10.2000)

Etwa 15.000 Besucher kamen zu der diesjährigen Konferenz nach San Francisco. Es lockten nicht nur Vorträge der drei Firmenbosse von Intel, Sun und Oracle sondern auch mehr als **500 Fachvorträge** gehalten von international bekannten ORACLE Referenten. 300 der grössten amerikanischen ORACLE Partner waren mit ihren Ständen ebenso vertreten wie die Chef-Entwickler der wichtigsten ORACLE Tools.

Technische Neuerungen waren die ORACLE **9i** Datenbank, die bis zu 1 Millionen parallele Verbindungen zulassen soll, sowie ein Applikationsserver der auf Basis von SUN-Technologie mit einem neuartigen **CACHE-Fusion** System für deutliche Performancesteigerungen im Internet sorgen soll.

Weiterhin wurde ein neues Entwicklungswerkzeug mit Namen **„Cherokee"** vorgestellt. Dieses Werkzeug ist mit dem Developer2000 vergleichbar und generiert Masken als aktive HTML-Seiten. Beta ab 05/2001.

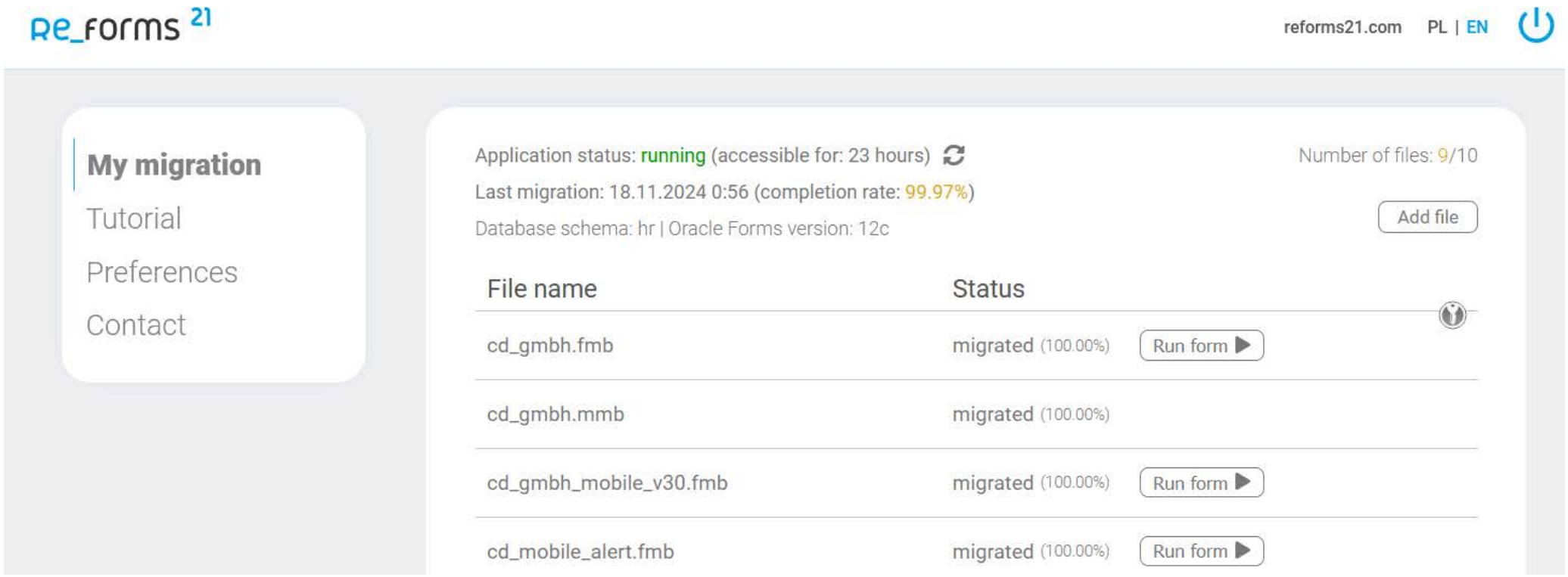


FORMS AS STATEFUL HTML SOLUTION?

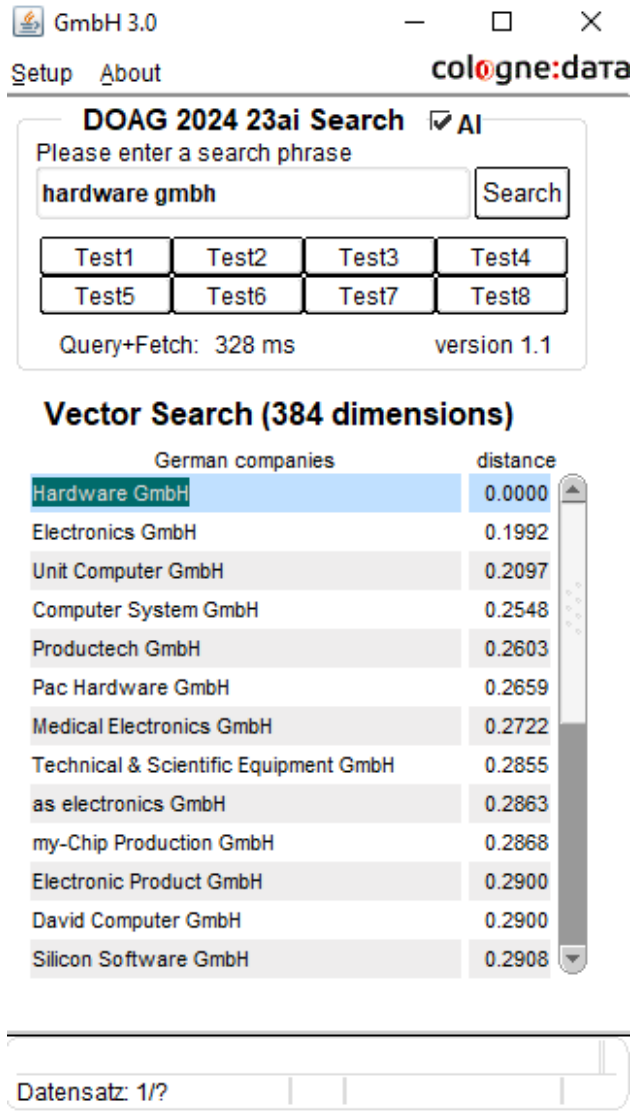
- WEBSWING
- REFORMS21/7bulls

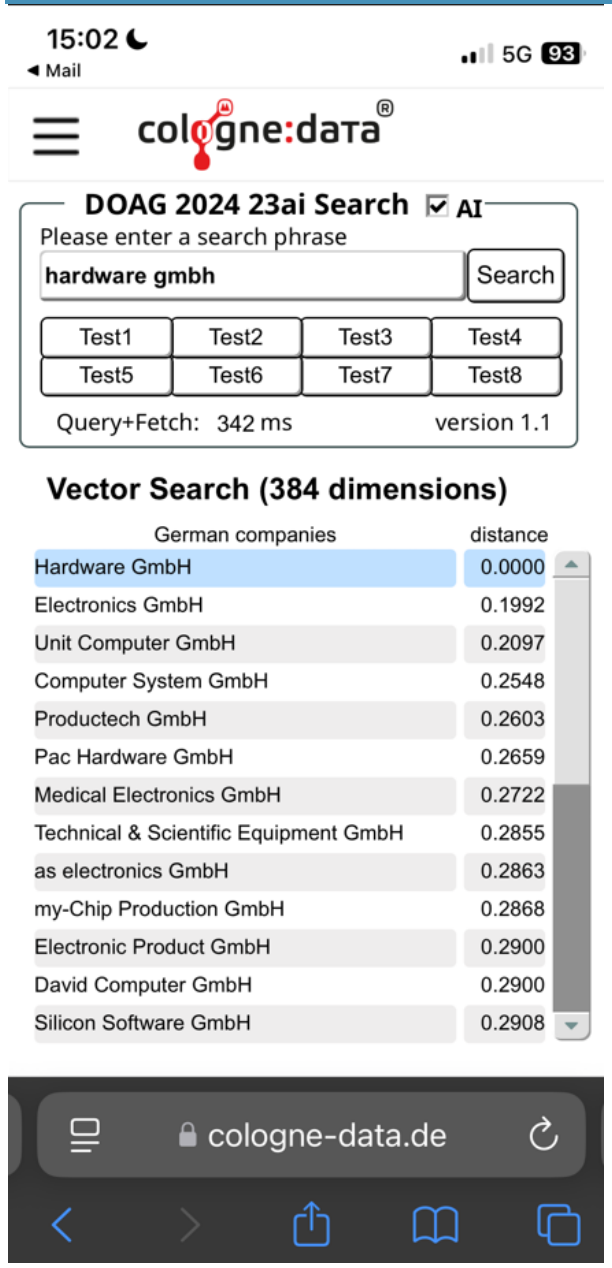
PoC with Reforms21 for first Full responsive Forms solution

Portability 1:1 from Forms to Vaadin (Java+RFXML) for Forms HTML Version (Forms12 no Codechange)



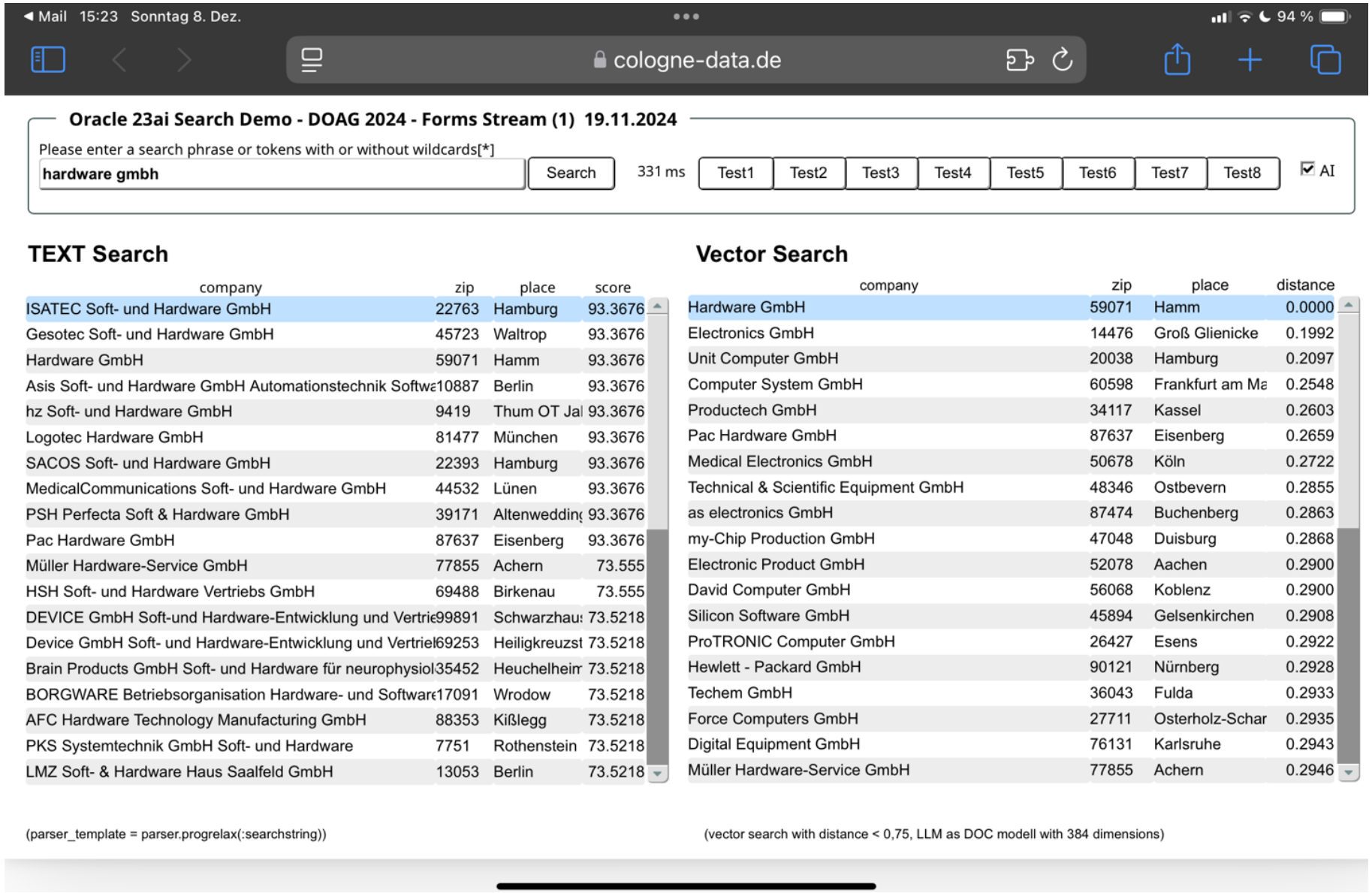
Forms as static, stateful, mobile solution





https link zu cologne-data.de
(ab IPHONE Mini)

https://cologne-data.de:8081/mf



https://cologne-data:8081/mf

Topic III (FORMS RESPONSIVE +
NOCODE LIVE SCREEBUILDER)
DOAG 2024 K&A

1)
Responsive Runtime: WHEN-WINDOW-RESIZE

2)
NOCODE Responsive GUI Design : WHEN-MOUSE-CLICK

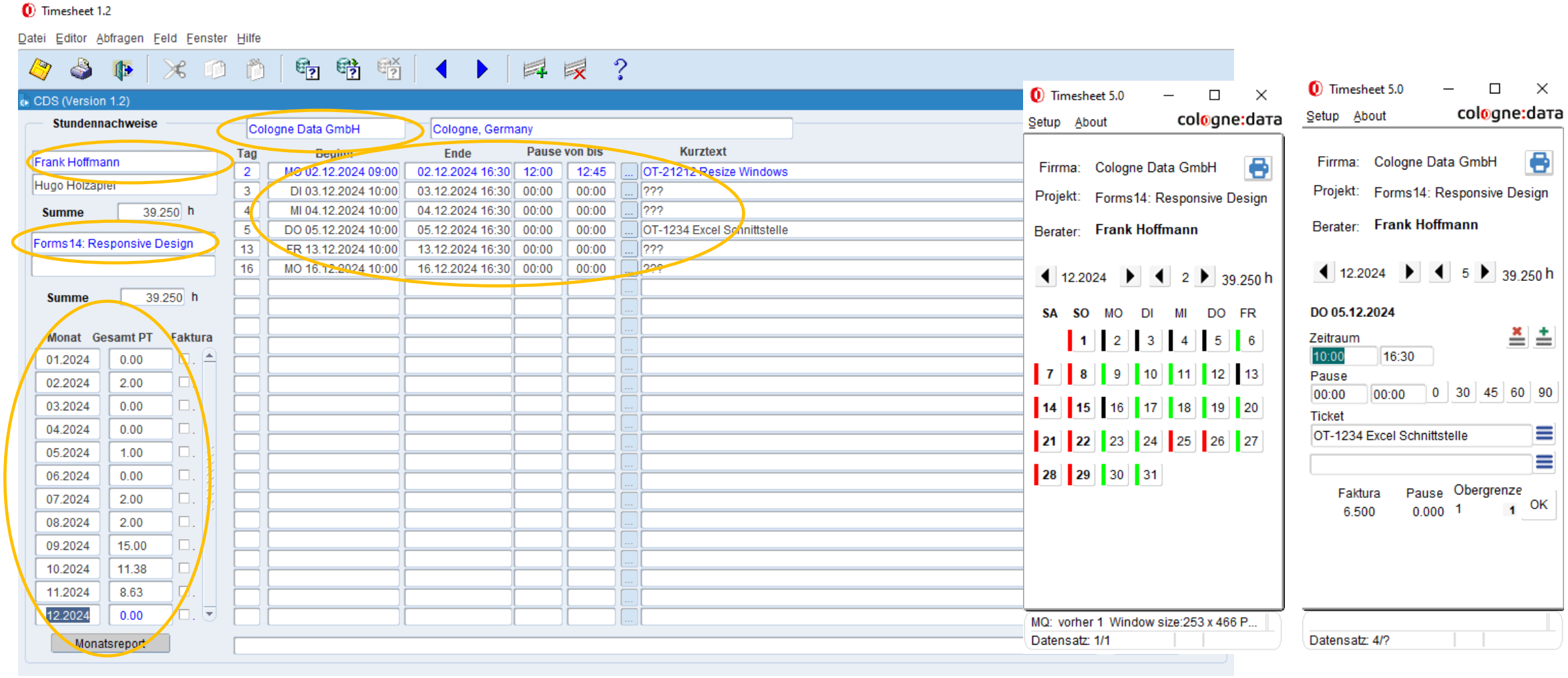
3.)
Database Repository for Media Queries, GUI Items and Canvases

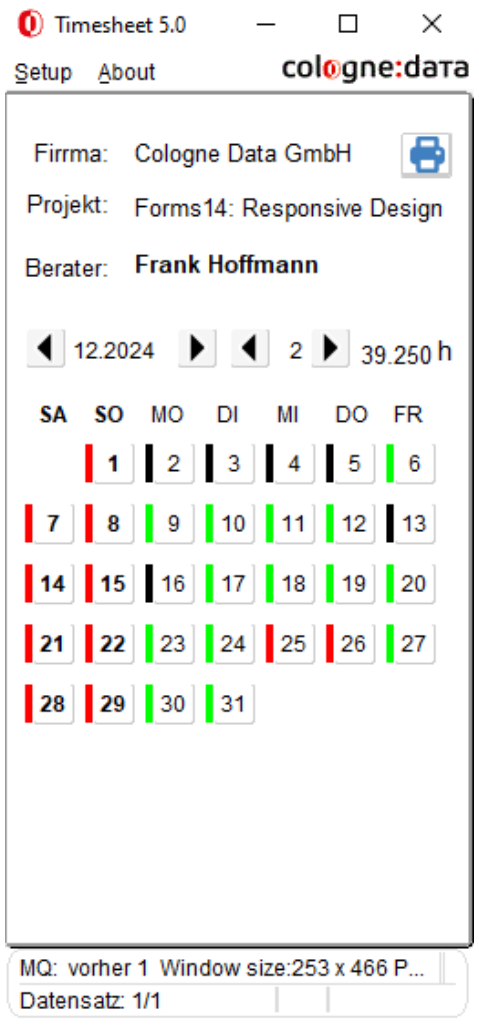
Using Mouse Event System Variables

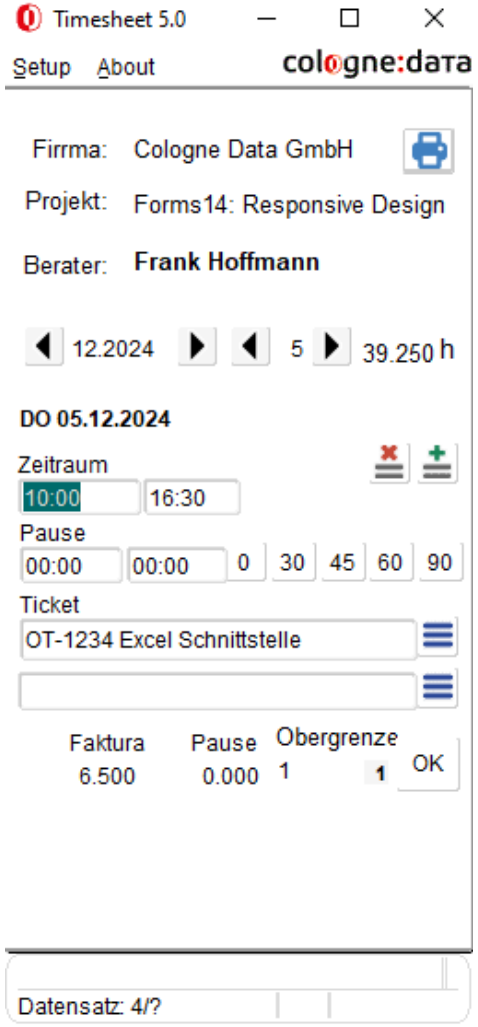
When any of the mouse events occur, Oracle Forms initializes the appropriate mouse event system variable (see below) and executes the corresponding mouse trigger.

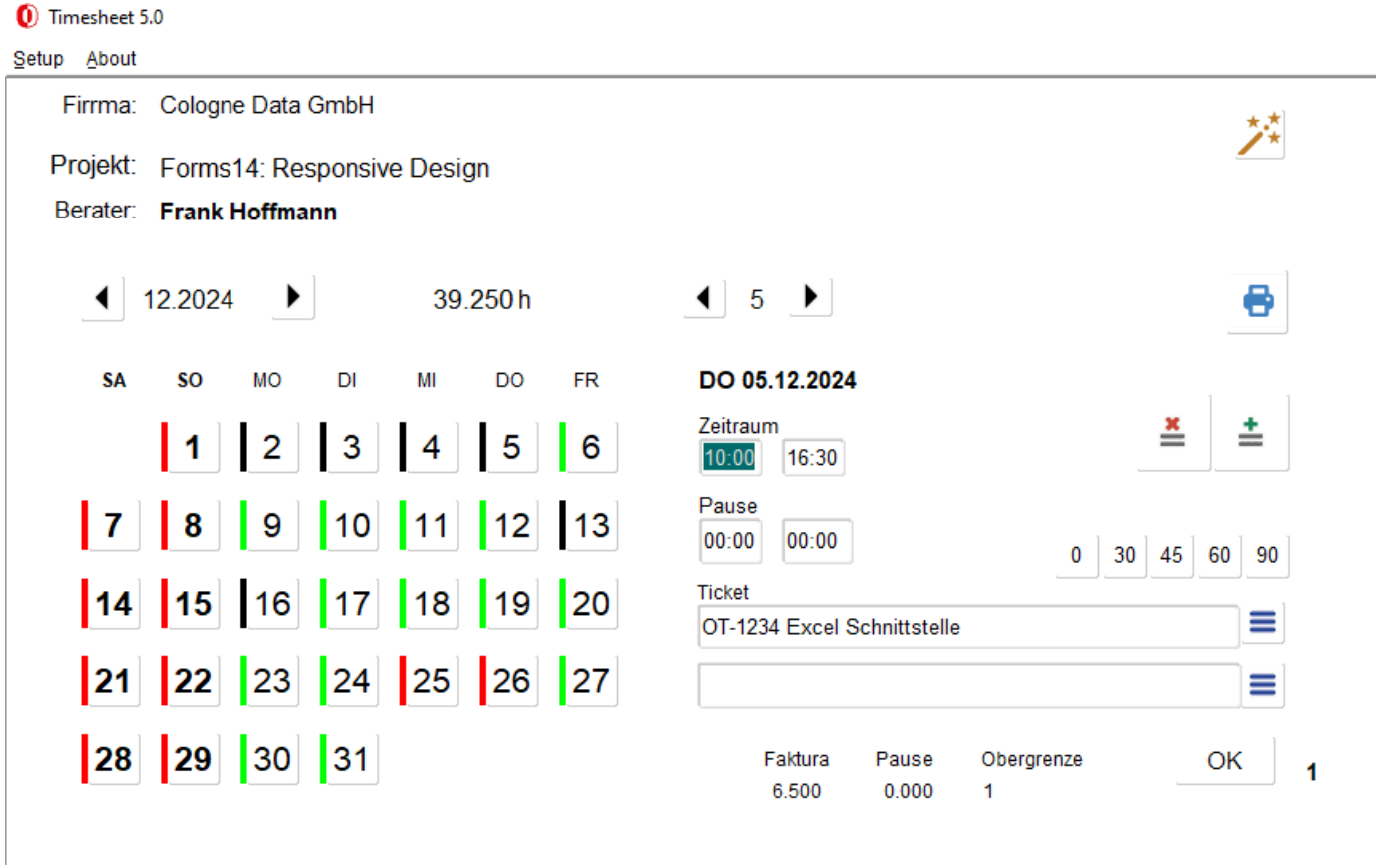
Note: Mouse system variables are set immediately *before* a mouse trigger is fired. To guarantee that your mouse system variables are updated, you should only use the mouse system variables within mouse triggers.

Mouse Event System Variable	Value
SYSTEM.MOUSE_BUTTON_MODIFIERS	Identifies which special key was pressed to modify the usual mouse button action (possible values are Shift+, Caps Lock+, Control+, Alt+, Command+, Super+, and Hyper+) **Note:** Similar to SYSTEM.MOUSE_BUTTON_SHIFT_STATE, but is not language-dependent.
SYSTEM.MOUSE_BUTTON_PRESSED	The number of the button, either 1, 2, or 3 (left, middle, or right) that was pressed.
SYSTEM.MOUSE_BUTTON_SHIFT_STATE	The shift modifier pressed during the mouse click. The value returned is language and operating system dependent of the middle tier.
SYSTEM.MOUSE_CANVAS	The name of the canvas which the mouse is currently in.
SYSTEM.MOUSE_ITEM	The name of the item the mouse is currently in.
SYSTEM.MOUSE_RECORD	The record number of the record the mouse is in.
SYSTEM.MOUSE_RECORD_OFFSET	The offset from the first visible record that the mouse is in.
SYSTEM.MOUSE_X_POS	The current mouse X-coordinate on the canvas according to the coordinate system except when used within a When-Mouse-Enter trigger. When using a When-Mouse-Enter trigger, SYSTEM.MOUSE_X_POS represents the X-coordinate relative to the item entered, not the item position on the canvas.
SYSTEM.MOUSE_Y_POS	The current mouse Y-coordinate on the canvas according to the coordinate system except when used within a When-Mouse-Enter trigger. When using a When-Mouse-Enter trigger, SYSTEM.MOUSE_Y_POS represents the Y-coordinate relative to the item entered, not the item position on the canvas.

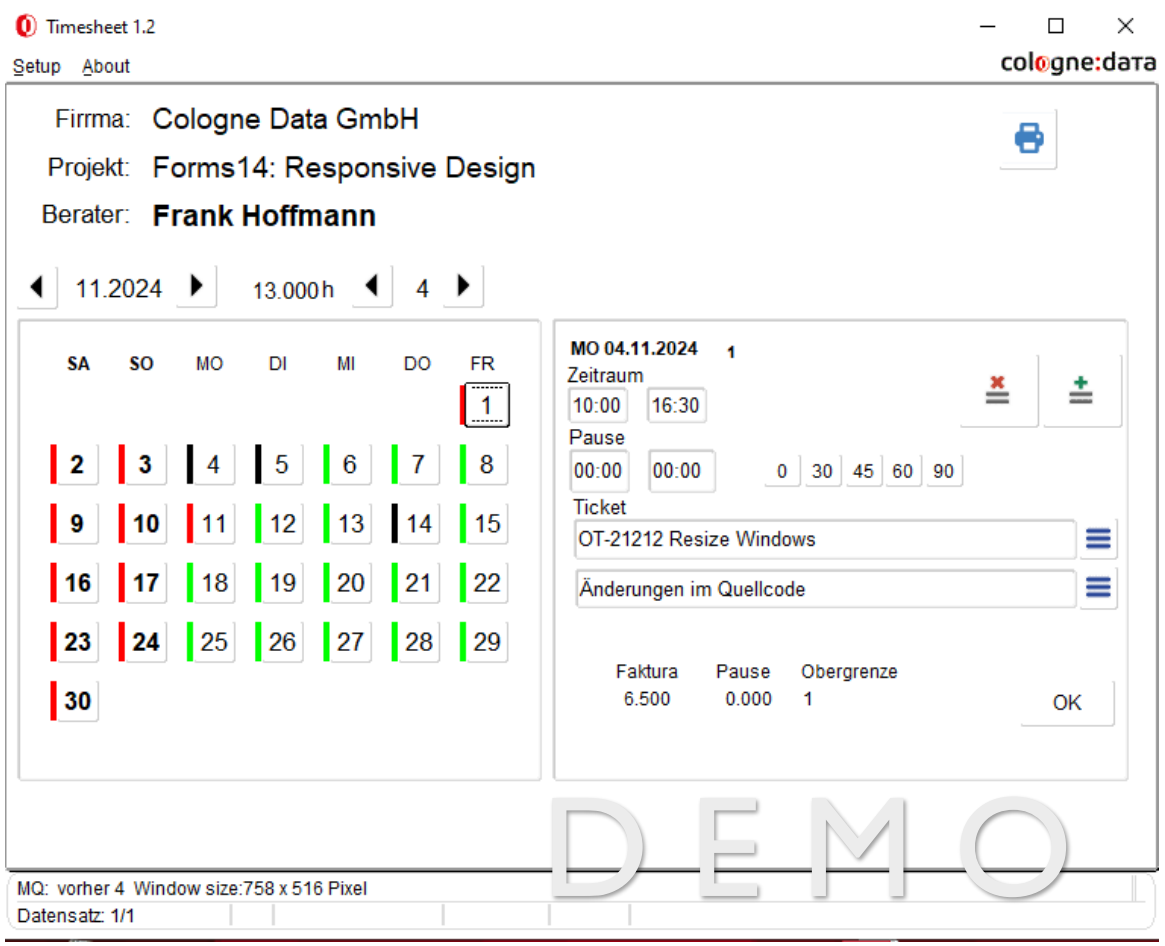

Timesheet 1.2
Datei Editor Abfragen Feld Fenster Hilfe
CDS (Version 1.2)
Stundennachweise
Cologne Data GmbH
Cologne, Germany
Frank Hoffmann
Hugo Holzapfel
Summe 39.250 h
Forms14: Responsive Design
Summe 39.250 h
Tag Beginn Ende Pause von bis Kurztext
2 MO 02.12.2024 09:00 02.12.2024 16:30 12:00 12:45 OT-21212 Resize Windows
3 DI 03.12.2024 10:00 03.12.2024 16:30 00:00 00:00 ???
4 MI 04.12.2024 10:00 04.12.2024 16:30 00:00 00:00 ???
5 DO 05.12.2024 10:00 05.12.2024 16:30 00:00 00:00 OT-1234 Excel Schnittstelle
13 FR 13.12.2024 10:00 13.12.2024 16:30 00:00 00:00 ???
16 MO 16.12.2024 10:00 16.12.2024 16:30 00:00 00:00 ???
Monat Gesamt PT Faktura
01.2024 0.00
02.2024 2.00
03.2024 0.00
04.2024 0.00
05.2024 1.00
06.2024 0.00
07.2024 2.00
08.2024 2.00
09.2024 15.00
10.2024 11.38
11.2024 8.63
12.2024 0.00
Monatsreport
Timesheet 5.0
Setup About
cologne:data
Firrma: Cologne Data GmbH
Projekt: Forms14: Responsive Design
Berater: Frank Hoffmann
12.2024 2 39.250 h
SA SO MO DI MI DO FR
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31
MQ: vorher 1 Window size:253 x 466 P...
Datensatz: 1/1
Timesheet 5.0
Setup About
cologne:data
Firrma: Cologne Data GmbH
Projekt: Forms14: Responsive Design
Berater: Frank Hoffmann
12.2024 5 39.250 h
DO 05.12.2024
Zeitraum
10:00 16:30
Pause
00:00 00:00 0 30 45 60 90
Ticket
OT-1234 Excel Schnittstelle
Faktura Pause Obergrenze
6.500 0.000 1 1 OK
Datensatz: 4/?

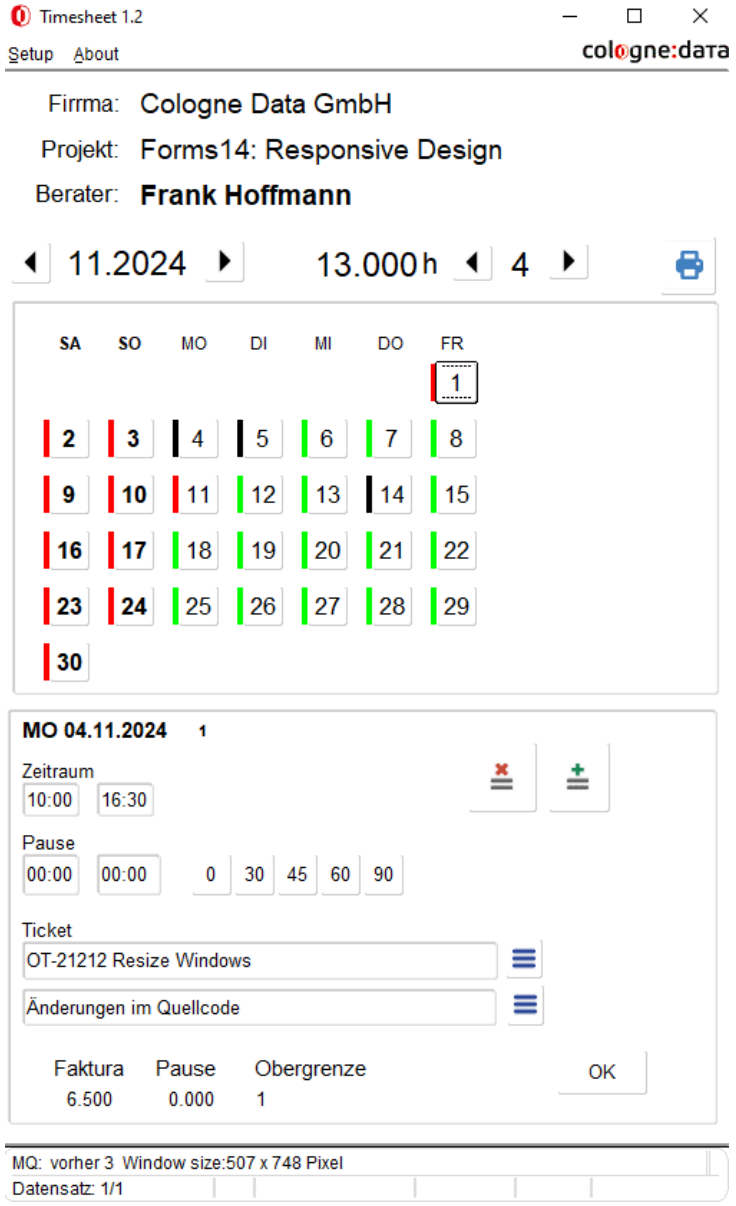

Timesheet 5.0
Setup
About
cologne:data
Firrma: Cologne Data GmbH
Projekt: Forms14: Responsive Design
Berater: Frank Hoffmann
12.2024
2
39.250 h
SA SO MO DI MI DO FR
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31
MQ: vorher 1 Window size:253 x 466 P...
Datensatz: 1/1

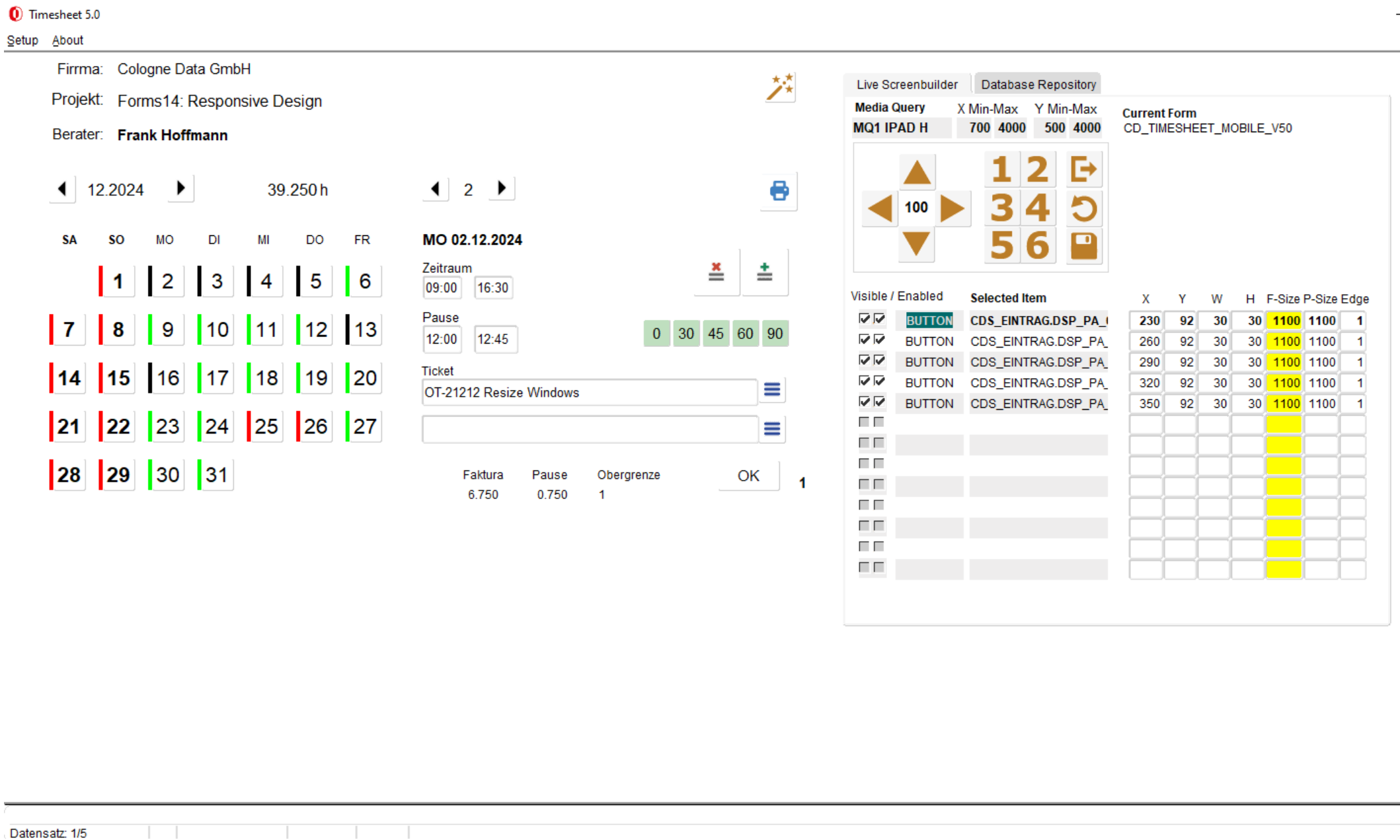

Timesheet 5.0
Setup
About
cologne:data
Firrma: Cologne Data GmbH
Projekt: Forms14: Responsive Design
Berater: Frank Hoffmann
12.2024
5
39.250 h
DO 05.12.2024
Zeitraum
10:00
16:30
Pause
00:00
00:00
0 30 45 60 90
Ticket
OT-1234 Excel Schnittstelle
Faktura
6.500
Pause
0.000
Obergrenze
1
1
OK
Datensatz: 4/?

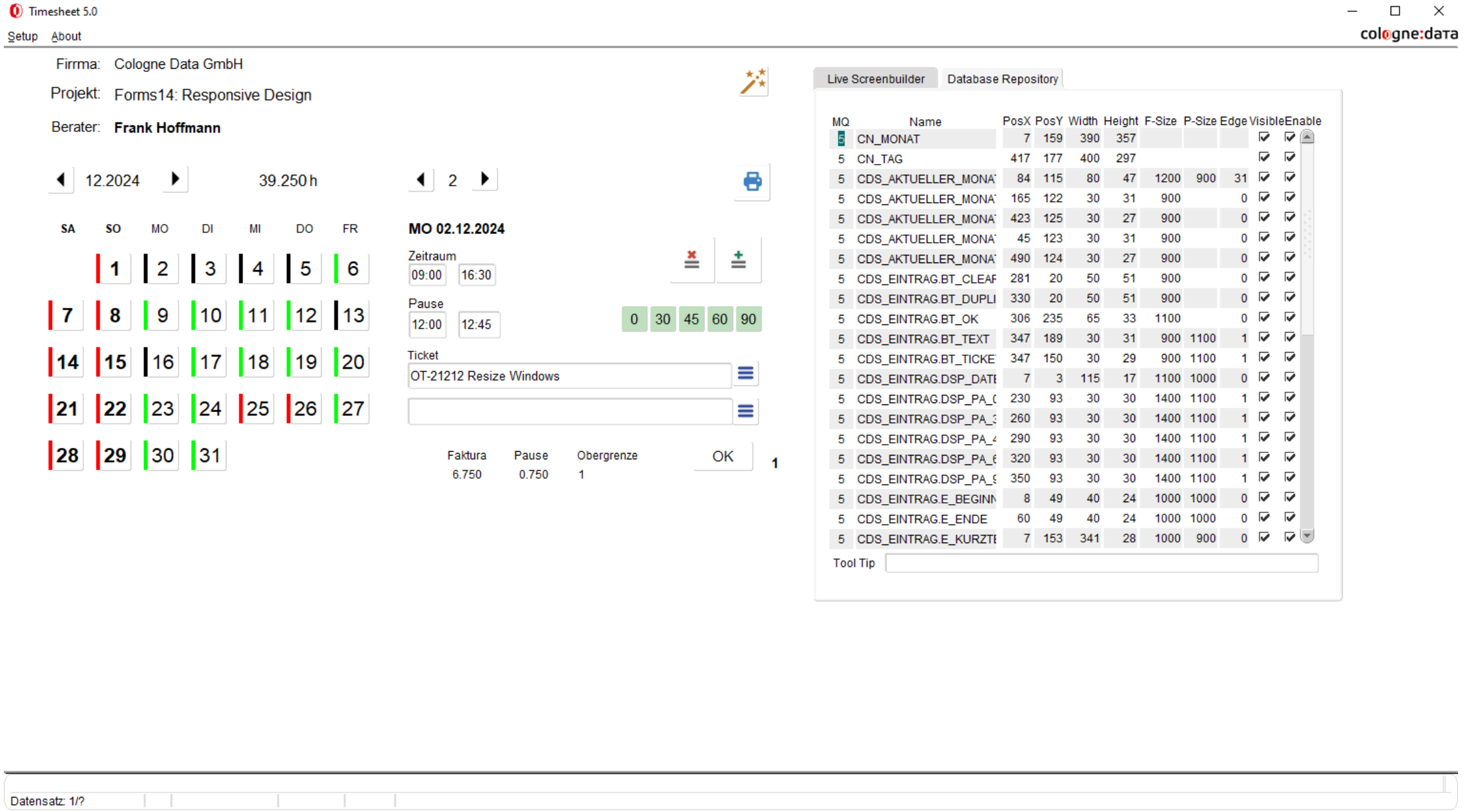

Timesheet 5.0
Setup
About
Firrma: Cologne Data GmbH
Projekt: Forms14: Responsive Design
Berater: Frank Hoffmann
12.2024
39.250 h
5
SA SO MO DI MI DO FR
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31
DO 05.12.2024
Zeitraum
10:00
16:30
Pause
00:00
00:00
0 30 45 60 90
Ticket
OT-1234 Excel Schnittstelle
Faktura
6.500
Pause
0.000
Obergrenze
1
OK
1

IPAD Example






Timesheet 5.0
Setup
About
cologne:data
Firrma: Cologne Data GmbH
Projekt: Forms14: Responsive Design
Berater: Frank Hoffmann
12.2024
39.250 h
2
SA SO MO DI MI DO FR
MO 02.12.2024
Zeitraum
09:00
16:30
Pause
12:00
12:45
0 30 45 60 90
Ticket
OT-21212 Resize Windows
Faktura
Pause
Obergrenze
6.750
0.750
1
OK
Live Screenbuilder
Database Repository
Media Query
X Min-Max
Y Min-Max
MQ1 IPAD H
700 4000
500 4000
Current Form
CD_TIMESHEET_MOBILE_V50
100
1 2
3 4
5 6
Visible / Enabled
Selected Item
X Y W H F-Size P-Size Edge
BUTTON CDS_EINTRAG.DSP_PA_ 230 92 30 30 1100 1100 1
BUTTON CDS_EINTRAG.DSP_PA_ 260 92 30 30 1100 1100 1
BUTTON CDS_EINTRAG.DSP_PA_ 290 92 30 30 1100 1100 1
BUTTON CDS_EINTRAG.DSP_PA_ 320 92 30 30 1100 1100 1
BUTTON CDS_EINTRAG.DSP_PA_ 350 92 30 30 1100 1100 1
Datensatz: 1/5


Timesheet 5.0
Setup
About
cologne:data
Firrma: Cologne Data GmbH
Projekt: Forms14: Responsive Design
Berater: Frank Hoffmann
12.2024
39.250 h
2
SA SO MO DI MI DO FR
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31
MO 02.12.2024
Zeitraum
09:00
16:30
Pause
12:00
12:45
0 30 45 60 90
Ticket
OT-21212 Resize Windows
Faktura
6.750
Pause
0.750
Obergrenze
1
OK
1
Live Screenbuilder
Database Repository
MQ Name PosX PosY Width Height F-Size P-Size Edge Visible Enable
5 CN_MONAT 7 159 390 357
5 CN_TAG 417 177 400 297
5 CDS_AKTUELLER_MONA 84 115 80 47 1200 900 31
5 CDS_AKTUELLER_MONA 165 122 30 31 900 0
5 CDS_AKTUELLER_MONA 423 125 30 27 900 0
5 CDS_AKTUELLER_MONA 45 123 30 31 900 0
5 CDS_AKTUELLER_MONA 490 124 30 27 900 0
5 CDS_EINTRAG.BT_CLEAR 281 20 50 51 900 0
5 CDS_EINTRAG.BT_DUPLI 330 20 50 51 900 0
5 CDS_EINTRAG.BT_OK 306 235 65 33 1100 0
5 CDS_EINTRAG.BT_TEXT 347 189 30 31 900 1100 1
5 CDS_EINTRAG.BT_TICKE 347 150 30 29 900 1100 1
5 CDS_EINTRAG.DSP_DATE 7 3 115 17 1100 1000 0
5 CDS_EINTRAG.DSP_PA_(230 93 30 30 1400 1100 1
5 CDS_EINTRAG.DSP_PA_3 260 93 30 30 1400 1100 1
5 CDS_EINTRAG.DSP_PA_4 290 93 30 30 1400 1100 1
5 CDS_EINTRAG.DSP_PA_6 320 93 30 30 1400 1100 1
5 CDS_EINTRAG.DSP_PA_9 350 93 30 30 1400 1100 1
5 CDS_EINTRAG.E_BEGINN 8 49 40 24 1000 1000 0
5 CDS_EINTRAG.E_ENDE 60 49 40 24 1000 1000 0
5 CDS_EINTRAG.E_KURZTE 7 153 341 28 1000 900 0
Tool Tip
Datensatz: 1/?

Topic III (FORMS FULL RESPONSIVE)
with CSS Tailwind
DOAG 2024 K&A

cologne:data®

Firrma: Cologne Data GmbH

Projekt: Forms14: Responsive Design

Berater: **Frank Hoffmann**

12.2024 39.250 h

SA	SO	MO	DI	MI	DO	FR
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

2

MON 02.12.2024

Zeitraum

09:00 16:30

Pause

12:00 12:45 0 30 45 60 90

Ticket

OT-21212 Resize Windows

Faktura	Pause	Obergrenze
6.750	0.750	1

1

OK

Live Screenbuilder | Database Repository

Media Query	X Min-Max		Y Min-Max	
MQ1 IPAD H	700	4000	500	4000

5

1 2
3 4
5 6

Visible / Enabled

Selected Item

X	Y	W	H	F-Size	P-Size	Edge

cologne:data®

Firrma: Cologne Data GmbH

Projekt: Forms14: Responsive Design

Berater: **Frank Hoffmann**

12.2024 39.250 h

SA	SO	MO	DI	MI	DO	FR
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

2

MON 02.12.2024

Zeitraum

09:00 16:30

Pause

12:00 12:45 0 30 45

Ticket

OT-21212 Resize Windows

Faktura Pause Obergrenze

Live Screenbuilder | Database Repository

Media Query	X Min-Max		Y Min-Max	
MQ1 IPAD H	700	4000	500	4000

5

1 2 3 4 5 6

Visible / Enabled		Selected Item	X	Y	W	H	F-Size	P-Size	Edge
☑ ☑	CANVAS	CN_TAG	385	165	344	446			

CD_TIMESHEET_MOBILE_V52

cologne:data®

Firrma: Cologne Data GmbH

Projekt: Forms14: Responsive Design

Berater: **Frank Hoffmann**

12.2024 39.250 h

SA	SO	MO	DI	MI	DO	FR
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

2

MON 02.12.2024

Zeitraum

09:00 16:30

Pause

12:00 12:45 0 30 45 60 90

Ticket

OT-21212 Resize Windows

Faktura	Pause	Obergrenze 1
6.750	0.750	1

OK

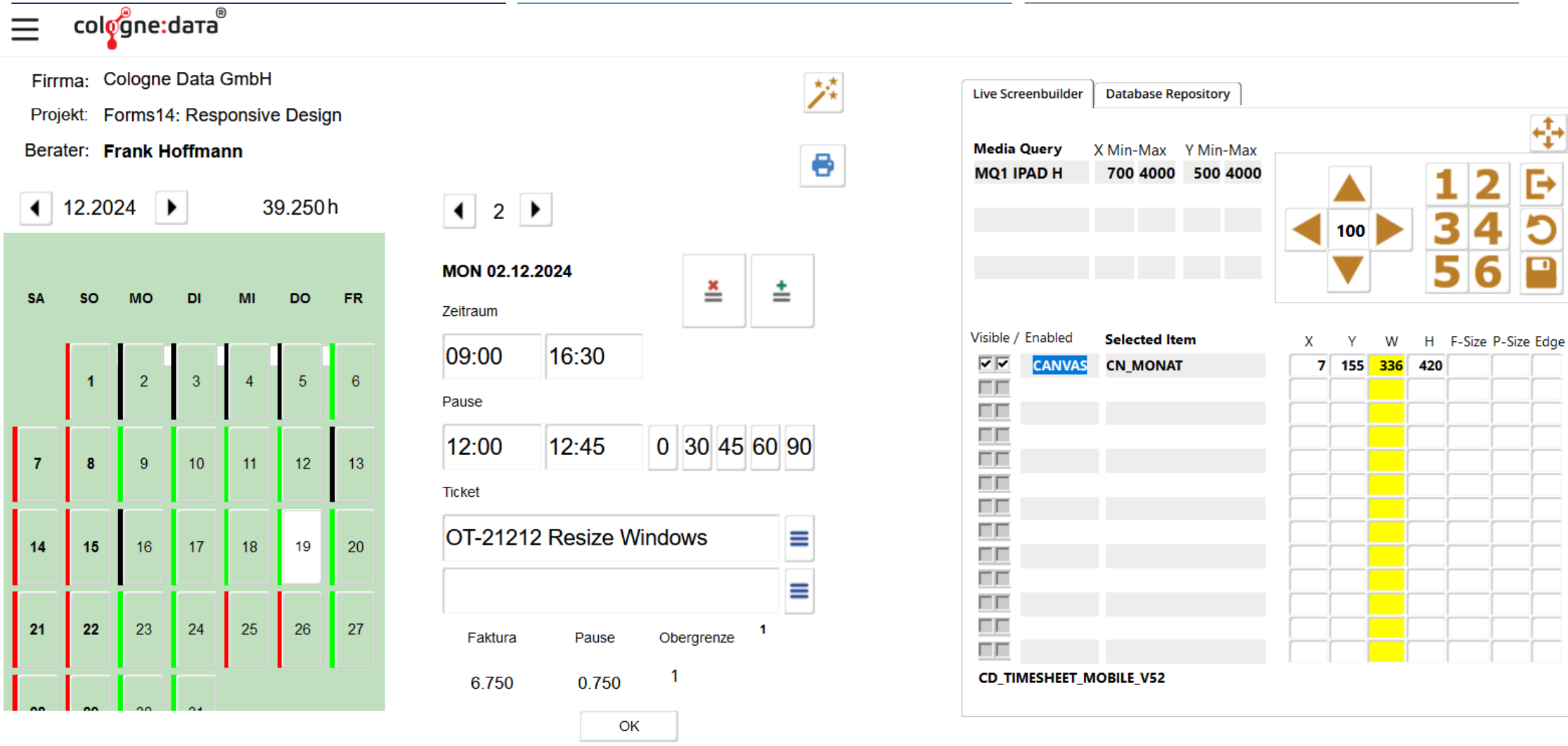
Live Screenbuilder | Database Repository

Media Query	X Min-Max		Y Min-Max	
MQ1 IPAD H	700	4000	500	4000

5

Visible / Enabled | **Selected Item**

X	Y	W	H	F-Size	P-Size	Edge


cologne:data®
Firrma: Cologne Data GmbH
Projekt: Forms14: Responsive Design
Berater: Frank Hoffmann
12.2024
39.250h
SA SO MO DI MI DO FR
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
2
MON 02.12.2024
Zeitraum
09:00
16:30
Pause
12:00
12:45
0 30 45 60 90
Ticket
OT-21212 Resize Windows
Faktura
Pause
Obergrenze
1
6.750
0.750
1
OK
Live Screenbuilder
Database Repository
Media Query
X Min-Max
Y Min-Max
MQ1 IPAD H
700 4000
500 4000
100
1 2
3 4
5 6
Visible / Enabled
Selected Item
CANVAS
CN_MONAT
X Y W H F-Size P-Size Edge
7 155 336 420
CD_TIMESHEET_MOBILE_V52

cologne:data®

Firrma: Cologne Data GmbH

Projekt: Forms14: Responsive Design

Berater: **Frank Hoffmann**

12.2024 39.250 h

SA	SO	MO	DI	MI	DO	FR
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

2

MON 02.12.2024

Zeitraum

09:00 16:30

Pause

12:00 12:45 0 30 45 60 90

Ticket

OT-21212 Resize Windows

Faktura	Pause	Obergrenze
6.750	0.750	1

OK

Live Screenbuilder | Database Repository

Media Query	X Min-Max		Y Min-Max	
MQ1 IPAD H	700	4000	500	4000

100

1 2 3 4 5 6

Visible / Enabled | Selected Item

X	Y	W	H	F-Size	P-Size	Edge

cologne:data®

Firrma: Cologne Data GmbH

Projekt: Forms14: Responsive Design

Berater: **Frank Hoffmann**

◀ 12.2024 ▶ 39.250 h

SA	SO	MO	DI	MI	DO	FR
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

◀ 2 ▶

MON 02.12.2024

Zeitraum

09:00 16:30

Pause

12:00 12:45 0 30 45 60 90

Ticket

OT-21212 Resize Windows

Faktura	Pause	Obergrenze
6.750	0.750	1

OK

Live Screenbuilder | Database Repository

Media Query	X Min-Max		Y Min-Max	
MQ1 IPAD H	700	4000	500	4000

100

1 2 3 4 5 6

Visible / Enabled	Selected Item	X	Y	W	H	F-Size	P-Size	Edge
TEXT ITEM	CDS_EINTRAG.E_BEGINN	0	0	0	0	1200	900	0
TEXT ITEM	CDS_EINTRAG.E_ENDE	0	0	0	0	1200	900	0
TEXT ITEM	CDS_EINTRAG.E_PAUSE_V	0	0	0	0	1200	900	0
TEXT ITEM	CDS_EINTRAG.E_PAUSE_E	0	0	0	0	1200	1100	4
BUTTON	CDS_EINTRAG.DSP_PA_0(	0	0	0	0	1200	1100	1
BUTTON	CDS_EINTRAG.DSP_PA_3(	0	0	0	0	1200	1100	1
BUTTON	CDS_EINTRAG.DSP_PA_45	0	0	0	0	1200	1100	1
BUTTON	CDS_EINTRAG.DSP_PA_6(	0	0	0	0	1200	1100	1
BUTTON	CDS_EINTRAG.DSP_PA_9(	0	0	0	0	1200	1100	1
TEXT ITEM	CDS_EINTRAG.E_KURZTE)	0	0	0	0	1200	900	0
TEXT ITEM	CDS_EINTRAG.E_LANGTE)	0	0	0	0	1200	1000	0

CD_TIMESHEET_MOBILE_V52

DOAG DevTalk: Oracle Forms 14.1.2 and the native built in RESTSERVICE in examples and programming

19.12.2024 17:00 - 19.12.2024 18:00
Online

Kalendertermin herunterladen

Erfahren Sie in unserem 1-stündigen **DevTalk** alles rund um das **Thema**
Oracle Forms 14.1.2 and the native built in RESTSERVICE in examples and programming.
Wählen Sie sich ohne Voranmeldung ein!

Zum DevTalk

Wir stellen ein spannendes neues Feature von Forms 14.1.2 live vor und vertiefen das Thema in mehreren Praxisbeispielen.
Der Vortrag wird in Englisch sein.

Mitwirkende

Referent: Michael Ferrante (Oracle Forms PM), Oracle Corporation
Moderator: Frank Hoffmann, Cologne Data GmbH

Michael Ferrante
Oracle Corporation

Michael Ferrante ist Produktmanager im Application Development Tools-Team von...

Frank Hoffmann
Cologne Data GmbH

Frank beschäftigt sich seit 1994 mit Oracle Technologien. Anfangs als Consultant für...

Einwahldaten & Technische Anforderungen

Diese WebSession erfordert keine Vorabanmeldung und ist für alle Teilnehmer kostenfrei, also kommen Sie gerne spontan hinzu!

Bitte nutzen Sie diesen Link

THANK YOU

FH@COLOGNE-DATA.DE