

# Developing User Interfaces

---

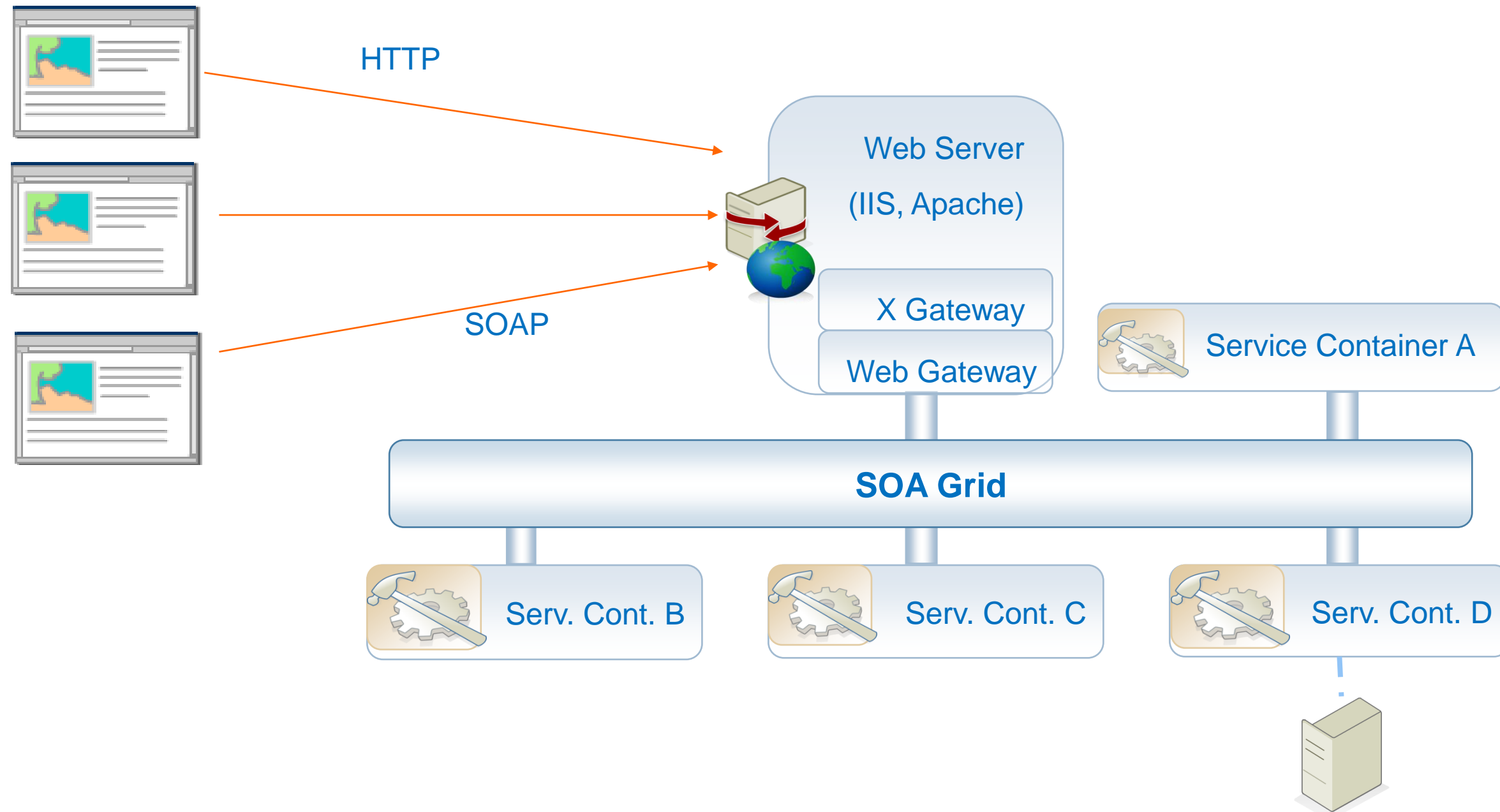
Cordys BOP 4.1 Fundamentals

**CORDYS**

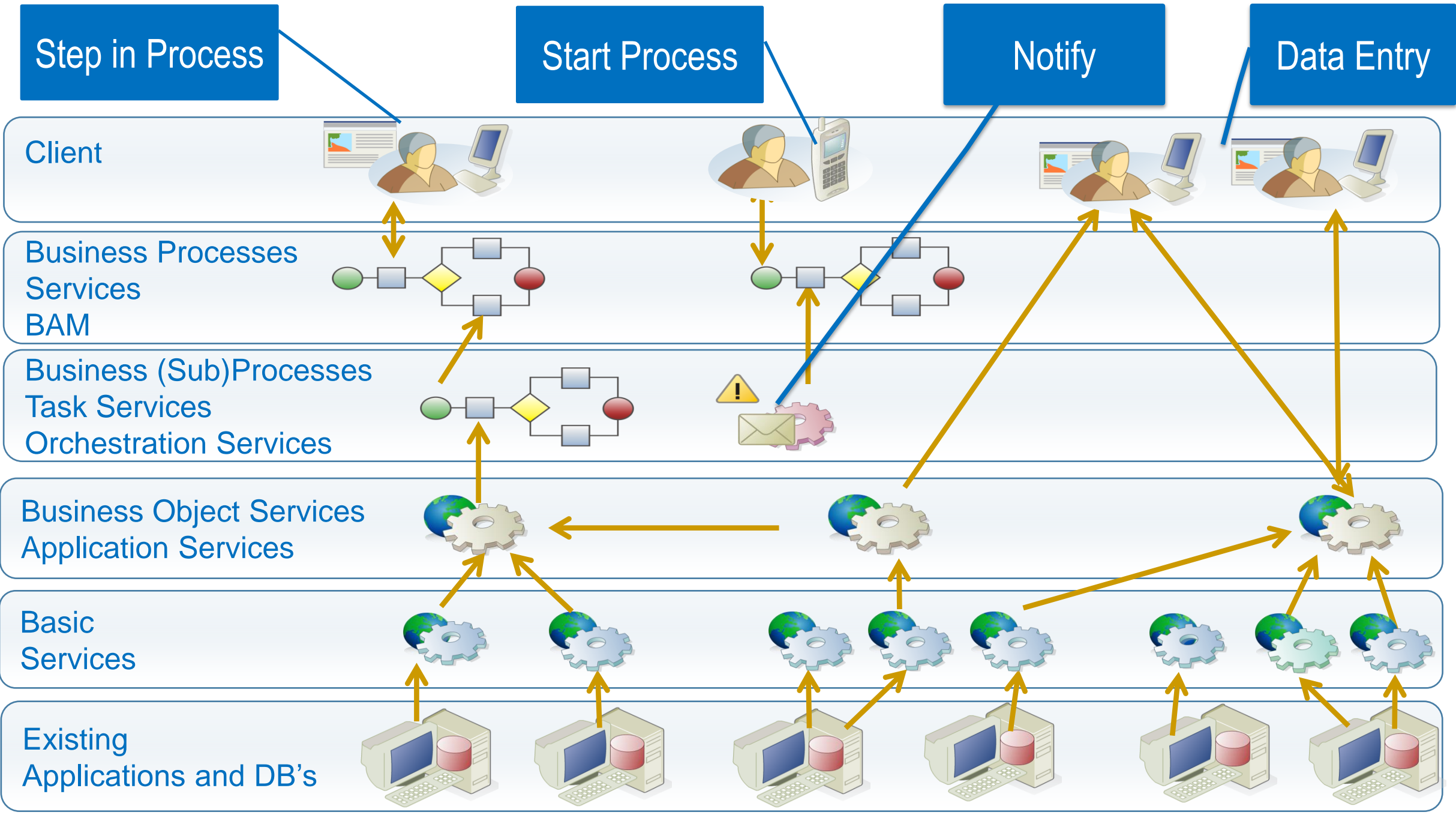
- ◆ User Interfaces in Solutions
- ◆ User Interface Development
  - ◆ External User Interface
  - ◆ User Interface

# XForms Overview

CORDYS



# User Interface Usage



# Cordys User Interface

CORDYS

ExpertDesk

Case Data

Vehicle

Participants

Name	Role
Eucon Informations	EU
Kiefer	VN
Automobile Peter Gr	WS

Documents

Document

exp1c.szif

THUM\_\_02001C1.jpg

THUM\_\_02001C2.jpg

THUM\_\_02001C3.jpg

Do Auto Check

Calculation

Parts Pool

Labor

Service Provider

Rules

Related Cases

Statistics

Case ID

Client Name

Claim Date

Claim Number

Policy Number

License Plate

Vehicle Identification

Policy License Plate

Total Sum

Save

Calculation

Date

Depletion

Loss of Value

Replacement

Residual

Software Type

Number	Part Nr	Name	Type	Pos Nr	Unit Price	Quantity	Total Price	Active	KV
41530	Karosserie	'Spurstange' // 'Spur-stange' 'Spurstange' // 'Spur-stan	vWork	1		15	90.00	<input checked="" type="checkbox"/>	
	Karosserie	HAUPTSCHNWERFER EINSTELLEN Abschleppkosten	vWork	2		3	18.00	<input checked="" type="checkbox"/>	
47110	Karosserie	2% ERS. abgas	vWork	3		6	36.00	<input type="checkbox"/>	
	Karosserie	ALTTEIL FRONT / STOSSF.-VERKLEIDUNG ZERLEGEN	vWork	4		3	18.00	<input checked="" type="checkbox"/>	
	Karosserie	keyword MEHRARBEIT BEI ZU FZG. MIT SCHEINWERF	vWork	5		1	6.00	<input checked="" type="checkbox"/>	
	Karosserie	MEHRARBEIT BEI ZU FAHRZEUG MIT NEBELSCHEIN	vWork	6		2	12.00	<input checked="" type="checkbox"/>	
	Karosserie	NEBELSCHEINWERFER BD. EINSTELLEN	vWork	7		10	10.00	<input checked="" type="checkbox"/>	
41530		AUFPRALLSCHUTZ / QUERTRAEGER V.	Sparepart	1			90.25	<input checked="" type="checkbox"/>	
		MUTTER M8	Sparepart	2			2.04	<input checked="" type="checkbox"/>	
45901		NEBELSCHEINWERFER L.	Sparepart	3			80.35	<input checked="" type="checkbox"/>	
47110		FRONTVERKLEIDUNG GRUNDIERT	Sparepart	4			322.50	<input checked="" type="checkbox"/>	
47200		LUFTFUEHRUNGSGITTER V. MITTE	Sparepart	5			48.85	<input checked="" type="checkbox"/>	
47201		GITTER FRONTVERKLEIDUNG L.	Sparepart	6			6.80	<input checked="" type="checkbox"/>	
		TORXSCHRAUBE	Sparepart	7			4.20	<input checked="" type="checkbox"/>	
43711		KOTFLUEGEL V.L. ST.III UMFASST: VORBEREITUNG	Paint	1		26	165.75	<input checked="" type="checkbox"/>	
47110		FRONTVERKLEIDUNG ST.I	Paint	2		12	76.50	<input checked="" type="checkbox"/>	

Summaries

	Net	Gross
vWork	€ 198.00	€ 198.00
Sparepart	€ 566.09	
Paint	€ 327.04	€ 327.04
Add.Charge	€ 0.00	€ 0.00
Repair Price	€ 1,091.13	€ 1,298.44

Division

12

Deduction

Small Amount

11.10

Small Perc.

2.00

UPE A

Deduction

Labor Price

€ 242.25

Material Price

€ 84.79

Rust Proofing

VAT


€ 207.31

19.00 %

Total Price Net

€ 1,091.13

Gross




**CORDYS**

Done Trusted sites



## Educator Academy

Welcome Mark de Kort (student1) Logout 

[Today](#)[Messages](#)[My Educator](#)[Catalog](#)[Preferences](#)

You are here > My Educator



### My studyplan

View and make your study choices, work directly on open exams and view your study results.



### My enrollments

Enroll yourself on moments to enroll and view your current enrollments.



### My files

Manage your personal folders and files. Share your files and evidence to your contacts and invite them to give feedback.



### Reports

View and print various reports.



### Files of contacts

View shared folders, files and evidence of your contacts and give them feedback.



### Studyplans of contacts

View shared Studyplans of your contacts and give them feedback.



### My appointments

View appointments with your coach.



### incidents

View incidents which are reported about you.



### My objectives

View the objectives you have committed with your coach.



### My notes

View notes created about you.

- ◆ User Interfaces in Solutions
- ◆ User Interface Development
  - ◆ External User Interface
  - ◆ User Interface



### ◆ User Interfaces are based on:

- |                            |                |
|----------------------------|----------------|
| ◆ HTML (HTML Forms, XHTML) | - Presentation |
| ◆ XML                      | - Data         |
| ◆ JavaScript               | - Logic        |
| ◆ CSS                      | - Style        |
| ◆ SOAP                     | - Transport    |

### ◆ Cordys User Interface Document Types

- ◆ User Interfaces (XForms)
- ◆ External User Interfaces (HTML, JSP)

- ◆ HTML, JSP File
- ◆ Javascript libraries are used to
  - ◆ Encapsulate SOAP
  - ◆ Add Components
  - ◆ Add Behavior
- ◆ HTML page must be manually created
- ◆ HTML Page has to be edited outside Cordys

- ◆ WYSIWYG editor (RAD)

- ◆ Drag and drop:

- ◆ WS Operation
- ◆ Schema Fragment



- Model
- View
- Control

- ◆ Customization

- ◆ Javascript is used

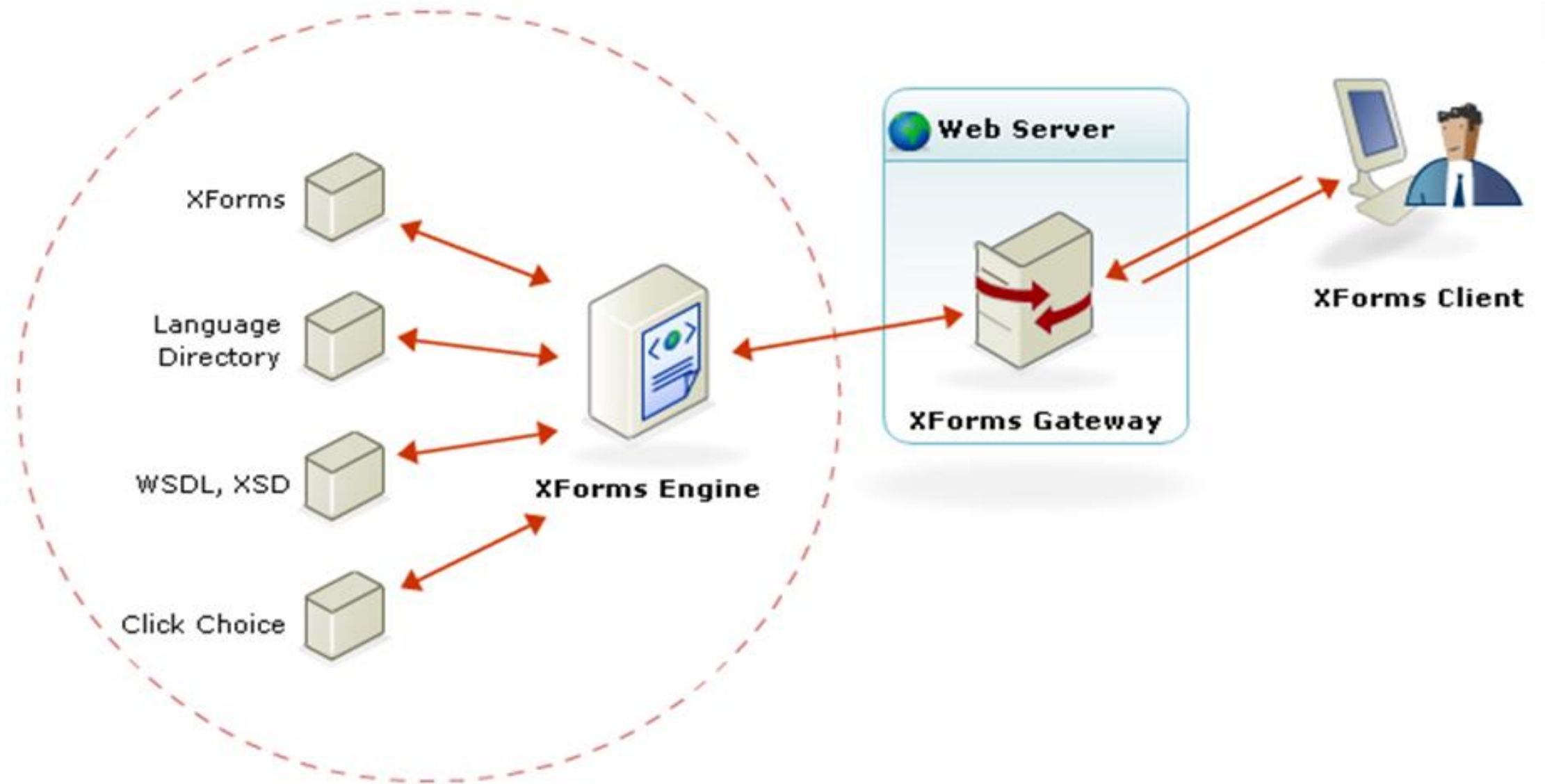
- ◆ Add logic
- ◆ Add components dynamically

- ◆ Event Based

# User Interface at Runtime

**CORDYS**

1. XForm is converted to HTML
2. Service operations are executed



## 1. XForms Client

- ◆ Web server gives .caf request to XGateway
- ◆ XGateway gives request to XForms Engine

## 2. XForms Engine

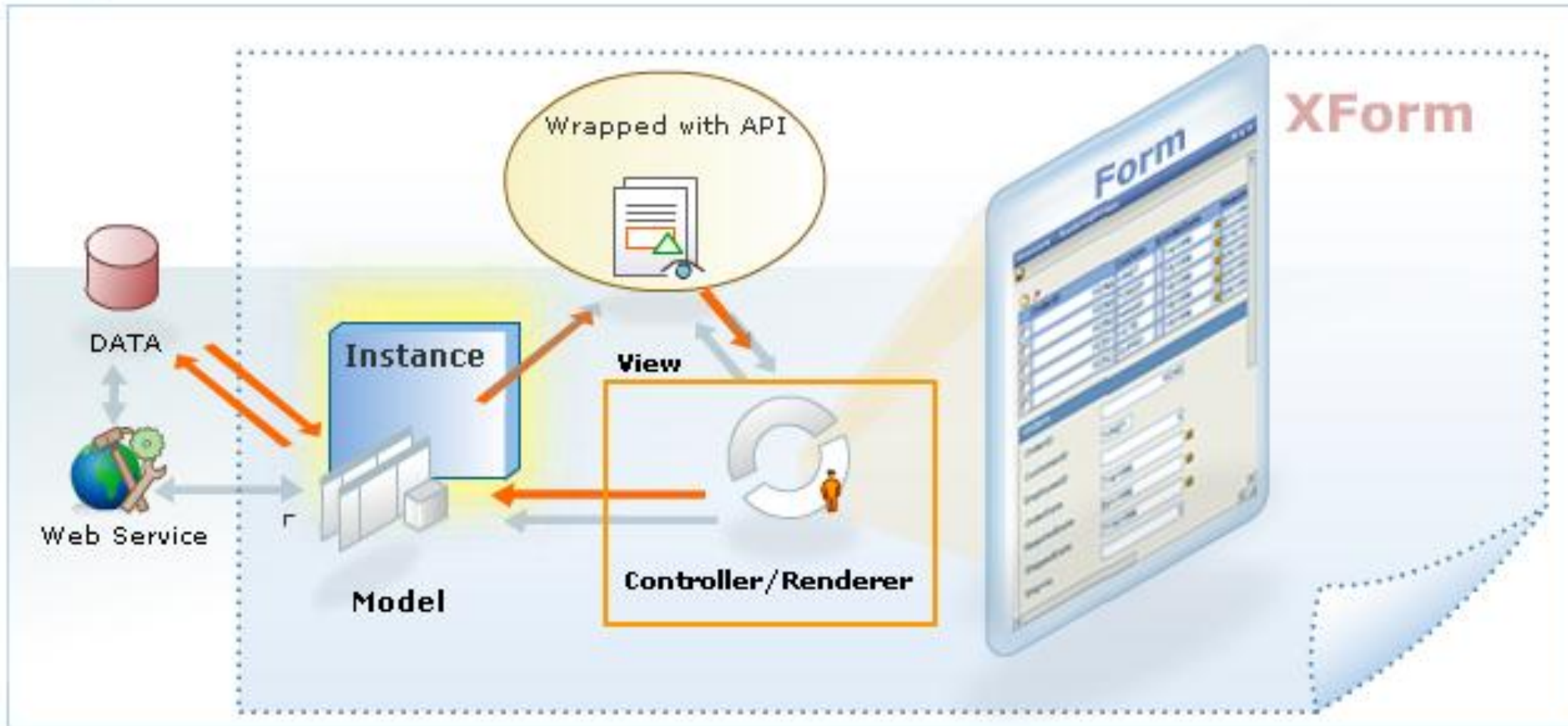
- ◆ Generates HTML
  - ◆ reads the XForm definition (.caf file)
  - ◆ Translates the labels to the specified language
  - ◆ Prepares the Model by reading the WSDLs of the web service operations
  - ◆ Sets validations on controls by reading the XSD definitions
- ◆ Generated HTML is cached, for faster responses (depending on content expiry setting)

## 3. XForms Client

- ◆ Send the SOAP request for automatic models (web service operations)

# Model View Controller

CORDYS



**Model:** manages the data synchronization

**View:** comprises the user interface layout and presentation details

**Controller:** manages and synchronizes model and view

# Thank You

---

Questions?