

CARAVEL

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## Questions about Caravel screens personalization

**BASE100**

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## Questions about Caravel screens personalization

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**Question 1. Is it possible to change to HTML form like Radio Button or Pull-Down?**

**If Yes, how do you describe in Screen Definition File(XML)?**

**We would like to change some functionality which are used very frequent.**

The converted application by means of Caravel tools has separated the logic from the interface structure.

So it is possible to personalize the interfaces without affect the converted program. It is consequently possible to include graphic standard components like: Buttons, Radio Buttons, Pull Downs, etc.

The converted program, manages the interchange of data with the user by means of a JSP. This JSP is in charge of representing the information to the user.

Personalization of screens can be made by groups or one by one. Using a shared JSP which will be used by a group of screens or using an individualized JSP for every screen.

During the conversion a CSS is generated by default for every JSP. It can be also modified any time.

Furthermore, the Caravel architecture allows the converted application to be used on REST services architecture. In this case it is possible to use a HTML+Css+Javascript+AngularJs thin client acceding by means of REST services to the converted application.

**Question 2. This question is related to No.1, is there any functionality which is not available to use? We would like to know about a restriction, when we develop a new screen with the same architecture as yours.**

There is not any restriction in the personalization of screens. The only limitations come from the way programs use the screen data.

As an example: a converted program may take in consideration cursor position or the function key that has been already pressed, so the personalization must take account of this behavior and respect it.

In Caravel conversion there is a default implementation to manage these situations.

Additionally it is necessary to consider the navigation logic from screen to screen. According this behavior, the personalization of the screen can be more or less flexible.

**Question 3. In terms of Screen Definition File (XML), you are assigning column position with lin attribute and pos attribute.**

**Is it possible to display on screen more than 24 X 80? Is there any restriction about Line and Digit?**

**We are now dividing a screen into multiple screens because of a huge number of columns. However, we would like to integrate them to one screen in future.**

As mentioned in point 1, there are different levels of personalization of screens. From low impact personalization (as example, only modify the CSS) to high impact ones that could require some modifications in the logic.

We include some images to illustrate these differences.

It is always possible to unify several screens in one single screen and modify the size of the screen. In both cases the logic of the application must be revised to assure the functionality keeps unchanged.

**Question 4. Is JavaScript available?**

**If Yes, how do you define it in Screen Definition File(XML)? We would like to add new functionality - for example, check a value when TAB shifted.**

**In addition, we would like to develop a new screen with the same architecture as yours by using screen component which used Java Script such as jQuery.**

Yes, JavaScript is available.

It is possible to use JavaScript and frameworks like jQuery. This can be done in both cases when using JSP or when the application uses HTML+JavaScript.

In the standard implementation of Caravel are used JavaScript and jQuery by default.

**Question 5. Is CSS available?**

**If yes, how do you define it? - How to define CSS file, and class attribute of each Tag as well.**

**When we develop new screen in future, we would like to integrate CSS design.**

Yes. CCS can be used in a 100% standard way. Every JSP or HTML can include the desired CSS.

In the standard implementation of Caravel screens are included CSS by default.

# IMAGES

## Original screen A

Caravel S250 - Soft Jump, Inc.

USER01 29/04/03  
10:36:36

Order No.	10	Order Lines	43 SUPERIOR DESIGN
Order Date	2003/05/03	Customer	43 SUPERIOR DESIGN
Paym. Form.	C	Payment Date	2003/07/21
Address	74 Dolphin St.	Status	0
City	Carson City	Phone	678.437.951
		State	Nevada

Select Opt, and press key enter

1=Modify 2=Delete

Opt	Line	Item	Supplier	Quantity	Discount	Unit Price
-	001	Boeing Calc.	Advanced Software	010	010	371.00
-	002	Bridge Master	Advanced Software	001	000	321.00
-	003	CPA-Plus	Access Technologies	001	000	432.00
-	004	EGA Paint	Allied Telesin	001	005	385.00
-	005	File Mover	Advanced Vision Research	002	000	580.00
-	006	Graph Talk	True Software	001	000	557.00
-	007	Instant C	ADD Associates	001	000	336.00

▶

F3=Exit F6=New

## Low impact modification of screen A

Soft Jump Inc.

Enter  
Exit  
New

USER01 29/04/03  
10:36:36

Order No.	10	Order Lines	43 SUPERIOR DESIGN
Order Date	2003/05/03	Customer	43 SUPERIOR DESIGN
Paym. Form.	C	Payment Date	2003/07/21
Address	74 Dolphin St	Status	0
City	Carson City	Phone	678.437.951
		State	Nevada

Opt	Line	Item	Supplier	Quantity	Discount	Unit Price
<input type="checkbox"/>	001	Boeing Calc.	Advanced Software	001	010	371.00 ▲
<input type="checkbox"/>	002	Bridge Master	Advanced Software	001	000	321.00
<input type="checkbox"/>	003	CPA-Plus	Access Technologies	001	000	432.00
<input type="checkbox"/>	004	EGA Paint	Allied Telesin	001	005	385.00
<input type="checkbox"/>	005	File Mover	Advanced Vision Research	002	000	580.00
<input type="checkbox"/>	006	Graph Talk	True Software	001	000	557.00
<input type="checkbox"/>	007	Instant C	ADD Associates	001	000	336.00 ▼

## Original screen B

```

WS1                                BONIFICO FORNITORE                                12:23:55
SI5E                                ESTRAZIONE RATE                                9/04/10
Rader (DEMO)                                01
Banca _____ Anno distinta 0000 Numero distinta 00000
Conto _____ Tipo pagamento (A/B/E/I/M) _____
Valuta _____ Data valuta banca _____ Data valuta beneficiario _____
Cambio _____ Spese Banca _____ Commissioni _____
Estrazione per data _____ Estrazione per importo _____

```

Sc	Porn.	N°docum	Dt.doc	Dt.scad.Stb	DA	Importo	Rata	Importo	Pagamento
	R	P	pagamento	ornitore	App.Bancario	N.Assegno		Commissa	
F	1000400	168	31032009	31052009	01	A	691,20		
	ECOQUADRO SAS		000						
F	1002930	1153	29042009	31052009	01	A	313,29		
	PALL SALES & SERVICES		000						
F	1004690	110720904	30042009	30052009	01	A	288,17		
	HOGG ROBINSON ITALIA SPA		000						
F	1004690	848BTI0904	30042009	30052009	01	A	12,20		
	HOGG ROBINSON ITALIA SPA		000						
F	1005450	57	14052009	15052009	01	A	315,10		
	PALL F. & S. SPA (PASTI E		000						
							Totale Distinta		

BON011/BON011FM/CNTRL1  
:F6=Compensazione::F9=Drop::F21=Inserimento Riga Libera::F24=Altri tasti

## High impact modification of screen B

**Bonifico fornitore ESTRAZIONE RATE** Rader (DEMO) 01

Opzioni: Compensazione, Drop, Inserimento Riga Libera, Conferma ed esecuzione

Numero documen	Data documen	Data scaden	Importo rata
168	31032009	31052009	
1153	29042009	31052009	
110720904	30042009	30052009	
848BTI0904	30042009	30052009	
57	14052009	15052009	
4	12022009	31052009	
5	12022009	31052009	
12	16032009	30062009	
17	01042009	31072009	
18	01042009	31072009	
20	22042009	31072009	
19	09042009	10042009	
00410	13052009	14052009	

Totale Distinta

**Attenzione!**  
E' stata raggiunta la fine dell'elenco

## Original screen C

```

WS1                               CLIENTI                               12:17:32
SI5E                              Variazione                          9/04/10
Rader (DEMO)                       000001                               01
Cliente

Generale 1  Generale 2  Condizioni  Localizzazione  Contatti
Qualifica
Ragione sociale          PALL FILTRATION & SEPARATIONS S.P.A.
Lettera alfabetica      P
Ragione sociale 2
Indirizzo                VIA S.D'ACQUISTO 2
Indirizzo (2°parte)
Indirizzo (3°parte)
Località                 S.MARTINO B.A.
CAP                      37036
Provincia                VR Verona
Nazione                  ITA Italia
Partita IVA              03074060231          Codice fiscale
Stato cliente            V                    Stato precedente
Validità stato da
Flag utente
CLI001/CLI001FM/FRM201
:F6=Base::F7=Amministrazione::F8=Procedure::F9=Varie::F24=Altri tasti
Partita iva già presente su altro cliente
  
```

## High impact modification of screen C

SISE WS1 Si5Java Sistema informativo per la gestione integrata dell'impresa GRUPPO24ORE 9/04/10 10:41:23

CLIENTI Variazione Rader (DEMO) 01

Cliente 000001

Generale 1 Generale 2 Condizioni Localizzazione Contatti

Qualifica  
 Ragione sociale F - CLIENTE DI FATTURAZIONE S.P.A.  
 Lettera alfabetica G - GRUPPO CLIENTI  
 Ragione sociale 2 R - RAPPRESENTANTE FISCALE  
 Indirizzo VIA S.D'ACQUISTO 2  
 Indirizzo (2°parte)  
 Indirizzo (3°parte)  
 Località S.MARTINO B.A.  
 CAP 37036  
 Provincia VR Verona  
 Nazione ITA Italia  
 Partita IVA 03074060231 Codice fiscale  
 Stato cliente V Stato precedente  
 Validità stato da  
 Flag utente

Error Partita iva già presente su altro cliente

