



ByteXpress - Team 9 ByteXecom E-commerce System

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ITERATION - 9

System Documentation - This iteration has the collated system documentation of the final versions of all system design documentation of the ByteXpress Ecommerce system.

The meticulously compiled document consist of the preliminary description of the hardware and software of the eventual operation of our system.



Client Information - Jannes Janse van Rensburg is the co-owner of Natuurlik. He is currently working as a Business Area Manager for DSV - Global Transport and Logistsics.



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1. Iteration Introduction

For this iteration the ByteXpress team have compiled a document that illustrates the collated system documentation of the final versions of all system design documentation for the ByteXpress E-commerce system.



2. Design Principles

Introduction

In this section, a detailed explanation of the design principles needed to guide the input and output screen design process will be given. This includes the fonts, logos and overall page layouts for the homepage, a basic CRUD, the navigation bar, reports and emails sent out by the system.

2.1. Input Screens

2.1	.1.	CRUDs

NATUURLIK			LOGOUT
G Store ⊖ Blogs ↓ Products • ⊖ Orders • Suppliers al Inventory Management •	Countries List ? Create New Country Show 10 entries Country Name	* Action	Search:
© Locations Suburbs	South Africa	🗹 Update 🗯 Delete	
Cities	Showing 1 to 1 of 1 entries		Previous 1 Next
Provinces			
Countries			
Reports ·			
≗ Users			
🖏 Manage VAT			
⑦ Help			

Figure 1 - CRUD General Design (Main Page)

CRUD General Design Principles

Table 1- CRUD general design principles

Design Element	Positioning	Format	Description
General Page	NA	NA	Page Layout Format:
Layout			 Width: calc(100% - 250px)
			 Padding-top: 80px
			 Padding-left: 20px
			 Padding-right: 20px
			 Min-height: 100vh
			 Position: absolute
			• Top: 0
			Right: 0
			 Background-color: white
Main Heading	Top left of each	Text	Heading Format:
	page		Color: black



			Font-family: Montserrat-
			Regular
			Font-size: 32px
Help Icon	Next to the Main Heading	Button	Help Icon Format:
			?
			Height: 40pxWidth: 40px
Create Button and Icon	Under the Main Heading	Button and Icon	 Button Format: Height: 34px Width: 70px Font-family: Montserrat- Regular Font-size: 14px Colour: white Background-color: #28A745 Text-align: center
			(+)
Filter	Top left of each table	Drop Down	Filter Format Height: 34px Width: 20px
Search Bar	Top right of each table	Input Field	 Width: 20px Input Field Format: Height: 34px Width: 255px
Table	Under Filter and Search Bar	Table	 General Table Format: Font-family: Montserrat- Regular Font-size: 14px Color: black
			Column Format: • Background-color: black • Color: white
			Edit and Delete Button Format:
			🗹 Update 🔲 🔟 Delete
			 Update button color: #4169E1 Delete button color: #DA3F48 Height: 15px Width: 30px
			Row Format: • Border: 1px, Solid #DADADA



Showing – to – of -	Bottom left of the	Text	Number of Entries Format
entries	Table		 Font-family: Montserrat-
			Regular
			 Font-size: 14px
			Color: black
Pagination	Bottom right of the	Buttons	Pagination Format:
	Table		 Font-family: Montserrat-
			Regular
			 Font-size: 14px
			Color: black

NATUURLIK	LOGOUT
යි Store	Country
💬 Blogs	
및 Products 🗸	Name
🖞 Orders 🗸 👻	
⇔ Suppliers	Create
🔊 Inventory Management 🔻	
Locations	
🗏 Reports 🗸	
≗ Users	
🖏 Manage VAT	
③ Help	

Figure 2 - Create screen

Create Design Principles

Table 2 - Create design principles

Design Element	Positioning	Format	Description
Main Heading	Top left of the	Text	Main Heading Format:
	Page		 Font-family: Montserrat-
			Medium
			Font-size: H5
			Color: black
			Background-color: #F2F2F2
Input Fields and	Under the Main	Input	Label Format:
Labels	Heading	Fields	Color: black
		and	 Font-family: Montserrat-
		Labels	Regular
			 Font-size: 14px
			 Text-align: left
			-
			Input Field Format:
			Height: 37px



			Width: 404px
			 Border-radius: 5px
Save and Cancel	Bottom left of the	Button	Button Format:
Buttons	Page		Height: 34px
			Width: 94px
			 Font-family: Montserrat-
			Regular
			 Font-size: 14px
			 Text-align: center
			 All letters lower case
			 Border-radius: 5px
			Save Button Format:
			Colour: white
			Background-color: #28A745
			Cancel Button Format:
			Colour: black
			 Background-color: white
			Border: 2px. Solid black



Country Name

The Country Name field is required.

Figure 3 - Input error screen

Input Error Design Principles

Table 3 - Input error design principles

Design Element	Positioning	Format	Description
Input Field Error	Under the Input Field	Input Fields and Labels	 Label Format: Color: red Font-family: Montserrat- Regular Font-size: 8px Text-align: left Input Field Format: Border: 1px, Solid red





Figure 4 – Create message box

Create Message Box Design Principles

Table 4 –	Create	message	box	desian	principles
rubio i	orouto	mooougo	NON	acoign	printoipioo

Design Element	Positioning	Format	Description
Message Box	Center of the page	Message	Message Box Layout Format:
General Layout		Box	Width: 332px
			Height: 150px
			 Background-color: white
			 Border-radius: 10px
Message Body	Left of the	Text	Body Format:
	Message Box		 Font-family: Montserrat-
			Regular
			 Font-size: 14px
			Color: black
			 Text-align: center
Confirm and Close	Bottom right of the	Button	Button Format:
Buttons	Message Box		 Height: 34px
			Width: 94px
			 Font-family: Montserrat-
			Regular
			 Font-size: 14px
			 Text-align: center
			 Border-radius: 5px
			Confirm Button Format:
			Colour: white
			Background-color: #28A745
			Cancel Button Format:
			Colour: grey
			Background-color: white
			Border: 2px, Solid grey



Country name successfully added.

Figure 5 - Create toaster notification

Create Toaster Notification Design Principles

Table 5 - Create toaster notification design principles

Design Element	Positioning	Format	Description
Toaster Notification General Layout	Top of the page	Toaster Notification	Toaster Notification Layout Format: • Width: 578px • Height: 31px • Background-color: #689C44 • Opacity: 30% • Text-align: left • Font-family: Montserrat- Regular • Font-size: 12px • Color: black Help Icon Format: • Height: 40px • Width: 40px

Show 10 • entries	Search	swaziland	
Country Name	Action		\$
	No matching records found		
Showing 0 to 0 of 0 entries (filtered from 3 total entries)		Previous	Next

Figure 6 - Search screen

Search Design Principles

Table 6 - Search design principles

Design Element	Positioning	Format	Description
No Result Found	Centre of the Table	Text	Message Format:
Message			 Text-align: center
			 Font-family: Montserrat-
			Regular
			 Font-size: 14px
			Color: black



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NATUURLIK	10	GOUT
ြ Store	Update Country	
은 Biogs 구 Products · Ĉ Orders ·	Country Name South America	
Suppliers Inventory Management Volume Contains	Update Cancel	
≅ Reports ✓		
 Manage VAT Help 		

Figure 7 - Update screen

Update Design Principle

Table 7 - Update design principles

Design Element	Positioning	Format	Description
Same as Create	Same as Create	Same as Create	Same as Create

é ancal	×
Confirm Country Details	
Confirm	Close

Update Message Box Design Principle

Table 8 - Update message box design principles

Design Element	Positioning	Format	Description
Same as Create	Same as Create	Same as Create	Same as Create



Country name successfully Edited.

Figure 9 - Update toaster notification

Update Toaster Notification Design Principle

Table 9 - Update toaster notification design principles

Design Element	Positioning	Format	Description
Same as Create	Same as Create	Same as	Same as Create
		Create	

NATUURLIK	LOG	OUT
🕼 Store	Delete Country Details	
💬 Blogs	,	
☐ Products	Country Name : South Africa	
🖞 Orders	Delete Cancel	
D Suppliers		
🔊 Inventory Management	•	
Ø Locations	•	
Reports	•	
은 Users		
🖏 Manage VAT		
⑦ Help		

Figure 10 - Delete screen

Create Design Principles

Table 10 - Delete design principles

Design Element	Positioning	Format	Description
Main Heading	Same as Create	Same as Create	Same as Create
Labels	Under the Main	Labels	Label Format:
	Heading		Color: black
			 Font-family: Montserrat-
			Regular
			 Font-size: 14px
			 Text-align: left
Delete and Cancel	Same as Create	Same as	Same as Create
Dullons		Cleale	Delete Button Format:
			Colour. write Declarge #DA2E40
			• Background-color: #DA3F48





Figure 11 - Delete message box design

Delete Message Box Design Principle

Table 11 - Delete message box design principles

Design Element	Positioning	Format	Description
Same as Create	Same as Create	Same as Create	Same as Create
			Confirm Button
			Colour: white
			 Background-color: #DA3F48

Country name successfully Deleted.

Figure 12 - Delete toaster notification

Delete Toaster Notification Design Principle

Table 12 - Delete toaster notification design principles

Design Element	Positioning	Format	Description
Same as Create	Same as Create	Same as Create	Same as Create



2.1.2. Navigation Bars



Figure 13 - Client navigation bar

Client Navigation Bar Design Principles

Table 13 - Client navigation bar design principles

Design Element	Positioning	Format	Description
Contact Us Section	Top of the Navigation Bar	Icons, Text, Numbers	Section Format: Background-color: black Height: 40px Color: white Font-family: Montserrat- Regular Font-size: 14px Text-align: left Position: fixed Con Format: Height: 17px Vidth: 17px Follow Us Format Text-align: right Con Format: Height: 17px Kidthe 17px
Navigation Bar	Under the Contact Us Section	Images and Text	 Navbar Format: Background-color: #F9F9F9 Color: black Font-family: Montserrat- Medium Font-size: 10px Text-align: left Position: fixed Letters all upper case Register and Login Nav Link Format Text-align: right



	Natuurlik Logo Format: Height: 30px Width: 182px
	Shopping Cart Button Format: • Height: 25px • Width: 25px

O AT INTELIV
INTOOKLIK
l Store
딡 Products
🖞 Orders
⇔ Suppliers
all Inventory Management
© Locations
Reports
Å Users
🖏 Manage VAT
⑦ Help



Admin Navigation Bar Design Principles

Table 14 - Admin navigation bar design principles

Design Element	Positioning	Format	Description
Top Navigation Bar	Fixed to the top of	Icons, Toxt	Navbar Format:
	each page	Text	Background-color: black Color: white
			 Font-family: Montserrat-
			Regular
			 Font-size: 14px
			 Text-align: left
			Position: fixed
			NATUURLIK
			Natuurlik Logo Format
			 Height: 24px
			Width: 109px
			Image alignment: left



Side Navigation Bar	Fixed to the left side of each page	Images and Text	Sidebar Format: Min-width: 250px Height: 100% Background: #F8F9FA Color: black Height: 100vh Position: fixed Z-index: 999
			 Position: fixed Z-index: 999 Font-family: Montserrat- Regular Font-size: 14px Overflow-y: scroll Top: 0 Bottom: 0 Sidebar Icons Format
			 Height: 11px Width: 11px



2.1.3. Homepage



Homepage Design Principles

Table 15 - Homepage design principles

Design Element	Positioning	Format	Description
Natuurlik Carousel	Top centre	Image	Image Format:
(Slideshow)			 Height: 100%
			• Width: 100%



Call to Action Section	Under the Natuurlik Carousel	Image, Text and Numbers	Background Image Format: Height: 90% Background-repeat: no-repeat Background-Font-size: cover Background-position: center Product Text Format: Margin-top: 200px Color: #D7D7D7 Font-family: Montserrat-Bold Margin-left: 5px Product Price Format: Color: white Font-family: Montserrat-Bold Margin-top: 20px Price format: RXXX.XX Shop Now Button Format: Border: 2px solid black Color: white Background-color: black Border-radius: 0 Product Card Format: Width: 250px
	Action Section	Text and Numbers	 Width: 250px Border: none Margin-top: 15% Padding-bottom: 10% Background-color: #EBEBEB Item Name Format: Padding-top: 10px Font-family: Montserrat-Regular Item Price Format: Font-family: Montserrat-Bold Add to Cart Button Format: Color: white Background-color: black Border-radius: 0
Slogan Banner	Under the Product Section	Image	Height: 100%Width: 100%
Footer	At the bottom of each page	Image, Text and Numbers	 Footer Format: Background-color: #232323 Color: white Font-family: Montserrat- Regular Headings: H5 Bold Padding-top: 5% Font-size: small



 Phone Number format: XXX XXX XXXX Link color: white Copy Right Strip Format: Margin-top: 4% Background-color: white Height: 30px Color: black Padding-top: 10px Font-family: Montserrat- Bacular
© NATUURLIK Copy Right Icon and Natuurlik Logo Format: • Justify-content: center • Margin-top: 3px • Height: 15px



2.2. Output Screens

2.2.1. Reports



Figure 16 - Report example



Report Design Principles

Table 16 - Report design principles

Design Element	Positioning	Format	Description
Page Size	NA	NA	A4
Page Orientation	NA	NA	Portrait
Natuurlik's Logo	Top left	Image	NAT UUR Logo Format: • Height: 71px • Width: 60px
Natuurlik's Address	Top right	Text and Numbers	 Justify-content: left Address Format: Font-size: 11px Font-family: Montserrat- Regular Colour: black Text-align: right
Report Title	Top left under Natuurlik's Logo	Textc	 Title Format: Font-size: 16px Font-family: Montserrat-Bold Colour: black Letters all upper case Padding-bottom: 20px
Report Date and Time	Under Report Title	Text	 Date Format: Font-size: 11px Font-family: Montserrat- Regular Colour: black Text: PRINTED BY:
Report Date and Time	Under Natuurlik's Address	Text and Numbers	 Date Format: Font-size: 11px Font-family: Montserrat- Regular Colour: black Text: DATE PRINTED: XX/XX/XXXX HH:MM:SS PM/AM
Graph Title	Under the Report Title and Date	Text	 Graph Title Format: Font-size: 11px Font-family: Montserrat- Regular Colour: black Text-align: center
Graphs	Under the Graph Title	Image	 Dependent on report generated Justify-content: center



Graph Legend	Left or right side of the graph	Image	Dependent on report generated
Control Breaks	NA	NA	Dependent on report criteria
Table Columns	Top of the table	Text	Column Format: Font-size: 11px Font-family: Montserrat-Bold Colour: black Border: 1px, Solid Black Text-align: right Background-color: #DEDEDE First Colum Format: Text-align: left
Table Rows	Under each column	Text and Numbers	Row Format: Font-size: 11px Font-family: Montserrat- Regular Colour: black Text-align: right Price format: X,XXX.XX Currency Symbol Format: R Currency Symbol Alignment: Left Row Heading Format: Text-align: left
Total Amount Heading	Last row of the table	Text and Numbers	Heading Format: • Font-size: 11px • Font-family: Montserrat-Bold • Colour: black • Text-align: right • Letters all upper case
Total Amount	Column left of the Total Heading	Numbers	Amount Format: • Font-size: 11px • Font-family: Montserrat-Bold • Colour: black • Text-align: right • Price format: X,XXX.XX • Currency Symbol Format: R • Currency Symbol Alignment: Left • Background-color: #3185A9
End of Report	Bottom of report	Text	 End of Report Format: Font-size: 9px Font-family: Montserrat- Regular Colour: black Text-align: center Text: ***END OF REPORT***
Page Numbers	Under the End of Report text	lext	 Page Number Format: Font-size: 9px



 Font-family: Montserrat- Regular
Colour: black
Text-align: right
Text: Page x of x

2.2.2. Emails



Figure 17 - Email example

Email Design Principles

Table 17 - Email design principles

Design Element	Positioning	Format	Description
Black stroke	Top of the email	Stroke	Stroke Format:
			 Height: 10px
			Width: 566px
			Color: Black
Natuurlik's Logo	Top centre	Image	
			NATUURLIK
			Natuurlik's Logo Format: • Height: 67px



			Width: 295px
			 Justify-content: center
Order Number	Under Natuurlik's		 Font-family: Montserrat-Bold
	Logo		 Font-size: 8px
			Colour: black
			 Text-align: left
Order Date	Under the Order		 Font-family: Montserrat-
	Number		Regular
			 Font-size: 8px
			Colour: black
			Text-align: left
Email Greeting and	Under the Order	Text	Font-family: Montserrat-Bold
recipients name	Date		Font-size: 16px
			Colour: black Track a lines laft
Empil Dody	Linder Erecil	Taxt	I ext-align: leπ
Email Body	Greating	Text	Body Format:
	Greeting		• Font-family, Montsenat-Bold or Regular
			 Font-size: 16-14px
			Colour: black
			Text-align: left
Button	Under the Email	Button	Button Format:
	Body		Height: 30px
			• Width: 154px
			 Font-family: Montserrat-
			Regular
			 Font-size: 14px
			Colour: white
			 Background-color: #689C44
			 Text-align: center
			Justify-content: left
Copy Right	At the bottom of	Icon and	Copy Right Disclaimer Format:
Disclaimer	the email	Text	Font-family: Montserrat-
			Regular
			• Font-size: 8px
			 Text-align: center Colour: black
Natuurlik's Address	Under the Conv	Text and	Colour. black Address Format:
Natuuriik 5 Auuress	Right Disclaimer	Numbers	Font-size: 8ny
	Tright Dioolaintei	1 dambere	 Font-family: Montserrat-
			Regular
			Colour: black
			 Text-align: center
Grey stroke	Bottom of the email	Stroke	Stroke Format:
			Height: 10px
			Width: 566px
			Color: Grey

Conclusion

In conclusion, this section addressed all the necessary design principles needed to guide the development and design process of the screens and reports for the ByteXecom E-Commerce System.

3. Iteration Conclusion

In conclusion the compiled iteration detailed the final documentation for the design and development of the ByteXecom E-commerce system. The documents contained the updated requirements lists, complexity matrix, logical and technical narratives, technical primitive, UML activity, sequence and state diagrams as well as the test cases and screen designs for our use cases.

