## **Conceptual Database Design** Project MulderbertPX John Mulhall

## **3NF Normalisation Workings**

<u>UNF</u>	<u>UNF</u>	Functional Mapping 3NF		
userID	productID	User userID username password customerID		
username	productType			
password	productrype	Customer customerID customerName contactFirstName contactLastName email contactNumber		
customerID	productName			
customerName	·			
contactFirstName	productDescription	companyNumber tax/VATNumber customerType paymentTerms		
contactLastName	quantity			
addressLine1	unitPrice	addressLine1 addressLine2 city country postCode		
addressLine2		addressLine1 addressLine2 city country postCode		
city	netPrice			
country	L- MAT			
postCode	taxVAT orderTotal	registrationDate termsAndConditionsOk		
email				
contactNumber	billingStatus			
companyNumber	C	orderID orderDate unitPrice quantity netPrice tax/VAT  OrderDetail		
tax/VATNumber	termsAndConditionsOK	Order Detail 5 5 5		
customerType		orderTotal billingStatus customerID productID		
paymentTerms				
registrationDate				
		Product productID productType productName productDescription		
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## Design Notes:

- a. Customer Address is per business rules one address assigned to one customer ergo non transient dependency argument for address table is overruled in this case.b. Product Lists and Pricing is brought up into the app layer and handled in modelling via enum classes. Only transactional product details are stored at DB level.