

Database Design

After modeling our database onto an EERD, we yield the following tables.

External_Stakeholders Table

stakeholder_id	email	address	contact_number
1	Johndoe@gmail.com	1 Skip Street, Pretoria, 0081	0831234567
2	Info@ramcouriers.co.za	27 Wrench Rd, Kempton Park, 1600	0104948223
3	Inventory@mdesigns.co.za	355 Bullhorn St, Johannesburg, 2215	0117375841
4	Info@bexexpress.co.za	120 Loper Ave, Kempton Park, 1619	0861239397
5	Suzymashaba@gmail.com	45 Harpoon Lane, Midrand, 0157	0723214321

Customer Table

customer_id	stakeholder_id	name	surname	password	card_no	exp_date
1	1	John	Doe	Password123!	4480123456789000	03/29
2	5	Suzy	Mashaba	Secret45###	NULL	NULL

Juristic Table

jurist_id	stakeholder_id	trading_name	freight_rate	account_no	branch_code
1	2	RAM Couriers	R73	62000001452	250655
2	3	Marriage Designs	R90	401475684	632005
3	4	BEX Express	R59	1023657342	198765

Courier Table

courier_id	jurist_id
1	1
2	3

Supplier Table

supplier_id	jurist_id
1	2

Collection Table

coll_id	customer_id	prod_id
1	1	43
2	2	14

Wishlist Table

wish_id	coll_id
1	1

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Cart Table

<u>cart_id</u>	coll_id

Once a customer clicks the checkout button, all the records in the cart table will be converted to an invoice description and corresponding total. The records of the cart table will be deleted as the cart is emptied. By contrast, a wish list's contents are emptied when the customer chooses to send them to the cart or merely deletes them.

Whenever the customer clicks the add to wish list or cart button, a new record with their customer id populates the respective table. Should they have not added anything to either table, there will be no records with their customer id and the site will report as such.

Stock Table

<u>stock_id</u>	prod_id	sizes

Product Table

<u>prod_id</u>	price	quantity	prod_name	prod_desc	prod_img	supplier_id

Womens Table

<u>womens_id</u>	prod_id

Mens Table

<u>mens_id</u>	prod_id

Boys Table

<u>boys_id</u>	prod_id

Girls Table

<u>girls_id</u>	prod_id

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Workitem Table

<u>waybill</u>	date

Order Table

<u>order_id</u>	workitem_id	order_desc	customer_id	order_total

Return Table

<u>return_id</u>	workitem_id	order_id

Restocking Table

<u>restock_id</u>	workitem_id