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 | tranding\_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 |

Cart Table

|  |  |
| --- | --- |
| cart\_id | 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

|  |  |  |
| --- | --- | --- |
| stock\_id | prod\_id | sizes |
|  |  |  |

Product Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| prod\_id | price | quantity | prod\_name | prod\_desc | prod\_img | supplier\_id |
|  |  |  |  |  |  |  |

Womens Table

|  |  |
| --- | --- |
| womens\_id | prod\_id |
|  |  |

Mens Table

|  |  |
| --- | --- |
| mens\_id | prod\_id |
|  |  |

Boys Table

|  |  |
| --- | --- |
| boys\_id | prod\_id |
|  |  |

Girls Table

|  |  |
| --- | --- |
| girls\_id | prod\_id |
|  |  |

Workitem Table

|  |  |
| --- | --- |
| waybill | date |
|  |  |

Order Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| order\_id | workitem\_id | order\_desc | customer\_id | order\_total |
|  |  |  |  |  |

Return Table

|  |  |  |
| --- | --- | --- |
| return\_id | workitem\_id | order\_id |
|  |  |  |

Restocking Table

|  |  |
| --- | --- |
| restock\_id | workitem\_id |
|  |  |