

File Design

Table 01: Admin-Table

Primary Key= Admin-Id

Field Name	Data Type	Data size	Description
Admin-Id	Number	5	Admin Id
a-user-name	Text	10	Admin user name
a-password	Text	10	Admin password
a-first-name	Text	15	Admin first name
a-last-name	Text	20	Admin last name
a-email	Text	20	Admin email
a-tel	Text	10	Admin telephone number
admin-job-title	text	10	Admin job title
Record Size	100		

Table 02: Manage-User-Table

Primary Key= M-U-Id

Foreign Key = Admin-Id, User-Id

Field Name	Data Type	Data size	Description
M-U-Id	Number	5	Manage user Id
Admin-Id	Number	5	Admin Id
User-Id	Number	5	User Id
action	Text	10	Action performed
date-time	Date		Date and time
Record Size	25		

Table 03: Customer-Table

Primary Key = C-Id

Field Name	Data Type	Data size	Description
C-Id	Number	5	Customer id
c-user-name	Text	10	Customer user name
c-password	Text	10	Customer password
c-email	Text	20	Customer email
c-first-name	Text	15	Customer first name
c-last-name	Text	20	Customer last name
street-no	Text	5	Street no
street-name	Text	20	Street name
province	Text	20	province
city	Text	20	city
c-profile-picture	Text	50	Customer profile picture url
customer-tel	Text	10	Customer telephone number
Is-customer-2FA-enabled	Boolean		Is customer two factor authentication enabled
Record Size	205		

Table 03: Supplier-Table

Primary Key = S-Id

Field Name	Data Type	Data size	Description
S-Id	Number	5	Supplier id
s-user-name	Text	10	Supplier user name
s-tel	Text		Supplier telephone number
s-email	Text	20	Supplier email
s-password	Text	10	Supplier password
s-first-name	Text	15	Supplier first name
s-last-name	Text	20	Supplier last name
company-name	Text	30	Company name
supplier-company-size	Text	20	Company size
s-street-no	Text	5	Supplier Street number
s-street-name	Text	15	Supplier Street name
s-city	Text	15	Supplier city
s-province	Text	15	Supplier province
Is-supplier-2FA-enabled	Boolean		Is supplier two factor authentication enabled
Record Size	180		

Table 04: Employee-Table

Primary Key = E-Id

Field Name	Data Type	Data size	Description
E-Id	Number	5	Employee id
e-user-name	Text	10	Employee user name
e-password	Text	10	Employee password
job-role	Text	15	Job role
e-first-name	Text	15	Employee first name
e-last-name	Text	20	Employee last name
e-tel	Text	10	Employee telephone number
e-email	Text	20	Employee Email
Record Size	105		

Table 05: Product-Table

Primary Key = P-Id

Field Name	Data Type	Data size	Description
P-Id	Number	5	Product Id
category	Text	15	Product category
p-img	Text	50	Product image
p-name	Text	15	Product name
p-price	Number	6	Product price
p-description	Text	200	Product description
Record Size	291		

Table 06: Shopping-Cart-Table

Primary Key = S-C-Id

Foreign Key = C-Id

Field Name	Data Type	Data size	Description
S-C-Id	Number	5	Shopping cart id
C-Id	Number	5	Customer id
sc-created-date	date		Shopping cart created date
sc-last-updated-date	date		Shopping cart las updated date
sc-status	Text	10	Shopping cart status
sc-total-items	Number	2	Shopping cart total items count
sc-total-price	Number	6	Shopping cart total price
Record Size	28		

Table 07: Shopping-cart-item-table

Primary Key = S-C-I-Id

Foreign Key = S-C-Id, P-I-Id

Field Name	Data Type	Data size	Description
S-C-I-Id	Number	5	Shopping cart item id
S-C-Id	Number	5	Shopping cart id
P-I-Id	Number	5	Product item id
S-C-I-qty	Number	3	Shopping cart item quantity
Record Size	18		

Table 08: Product-item-table

Primary Key = P-I-Id

Foreign Key = P-Id, S-Id

Field Name	Data Type	Data size	Description
P-I-Id	Number	5	Product item id
P-Id	Number	5	Product id
S-Id	Number	5	Supplier id
p-i-img	Text	50	Product item image
size	Text	10	Product item size
color	Text	10	Product item color
material	Text	15	Product item material
qty	Number	4	Product item quantity
p-i-price	Number	6	Product item price
Record Size	110		

Table 09: Trade-in-item-table

Primary Key = T-I-Id

Foreign Key = P-I-Id

Field Name	Data Type	Data size	Description
T-I-Id	Number	5	Trade in item id
P-I-Id	Number	5	Product item id
received-date	date		Received date
t-value	Number	5	Trade in item value
t-status	Text	10	Trade in item status
t-condition	Text	10	Trade in item condition
manufacturer	Text	20	Trade in item manufacture
Record Size	55		

Table 10: Promotion-table

Primary Key = Promo-Id

Field Name	Data Type	Data size	Description
Promo-Id	Number	5	Promotion id
promo-description	Text	50	Promotion description
promo-name	Text	20	Promotion name
discount-rate	Number	3	Discount rate
start-date	date		Start date
end-date	date		End date
Record Size	83		

Table 11: Returned-item-table

Primary Key = R-I-Id

Foreign Key = O-I-Id

Field Name	Data Type	Data size	Description
R-I-Id	Number	5	Returned item id
O-I-Id	Number	5	Order item id
r-condition	Text	10	Returned item condition
returned-date	date		Item returned date
reason	Text	15	Returned reason
refund-status	Text	15	Refund status
refund-amount	Number	5	Refund amount
Record Size	55		

Table 12: Order-item-table

Primary Key = O-I-Id

Foreign Key = P-I-Id, O-Id

Field Name	Data Type	Data size	Description
O-I-Id	Number	5	Order item id
P-I-Id	Number	5	Product item id
O-Id	Number	5	Order id
o-i-qty	Number	3	Oder item quantity
o-i-price	Number	5	Order item price
Record Size	23		

Table 13: Order-table

Primary Key = O-Id

Foreign Key = S-M-Id, P-M-Id

Field Name	Data Type	Data size	Description
O-Id	Number	5	Order id
C-Id	Number	5	Customer id
S-M-Id	Number	5	Shipping method id
P-M-Id	Number	5	Payment method id
order-date	date		Order date
order-status	Text	10	Order status
order-total	Number	6	Order total
Record Size	36		

Table 14: Shipping-method-table

Primary Key = S-M-Id

Field Name	Data Type	Data size	Description
S-M-Id	Number	5	Shipping method id
s-m-name	Text	15	Shipping method name
s-m-price	Number	4	Shipping method price
Record Size	24		

Table 15: Payment-method-table

Primary Key = P-M-Id

Foreign Key = C-Id

Field Name	Data Type	Data size	Description
P-M-Id	Number	5	Payment method id
C-Id	Number	5	Customer id
p-m-type	Text	15	Payment method type
Is default	Boolean		Is default
Record Size	25		

Table 16: Primary Key = Commssion-Id

Foreign Key = S-Id, Admin-Id

Field Name	Data Type	Data size	Description
Commssion-Id	Number	5	Commission id
S-Id	Number	5	Supplier id
Admin-Id	Number 5	5	Admin id
commission-status	Text	15	Commission satus
Record Size	30		
commission-p-method	Text	10	Commission paid method
commission-date	date		Commission date
commission-amount	Number	4	Commission amount
Record Size	14		

Table 17: Complaint-table

Primary Key = Complaint-Id

Foreign Key = C-Id, Admin-Id

Field Name	Data Type	Data size	Description
Complaint-Id	Number	5	Complaint id
C-Id	Number	5	Customer id
Admin-Id	Number	5	Admin id
complaint-topic	Text	20	Complaint topic
complaint-type	Text	15	Complaint type
complaint-description	Text	100	Complaint description
complaint-status	Text	15	Complaint status
complaint-submit-date	date		Complaint submitted date
reviewed-date	date		Complaint reviewed date
Record Size	165		

Table 18: Customer-review-table

Primary Key = C-R-Id

Foreign Key = C-Id, O-I-Id

Field Name	Data Type	Data size	Description
C-R-Id	Number	5	Customer review id
C-Id	Number	5	Customer id
O-I-Id	Number	5	Order item id
rating-value	Number	5	
review-comment	Text	100	Review comment
Record Size	120		

Table 19: Supplier-Product-Item-table

Primary Key = S-P-I-Id

Foreign Key = Admin-Id, P-I-Id

Field Name	Data Type	Data size	Description
S-P-I-Id	Number	5	Supplier Product Item ID
Admin-Id	Number	5	Admin ID
P-I-Id	Number	5	Product ID
s-operation	Text	15	Supplier Operation
Record Size	30		

Table 20: Admin-Product-table

Primary Key = A-P-Id

Foreign Key = Admin-Id, P-Id

Field Name	Data Type	Data size	Description
A-P-Id	Number	5	Admin Product ID
Admin-Id	Number	5	Admin ID
P-Id	Number	5	Product Id
a-p-action	Text	15	Admin Product Action
Record Size	30		

Table 21: Product-Promotion-table

Primary Key = P-Id, Promo-Id

Foreign Key = P-Id, Promo-Id

Field Name	Data Type	Data size	Description
P-Id	Number	5	Product Id
Promo-Id	Number	5	Promotion ID
Record Size	10		