

External entities

<i>no</i>	<i>Name</i>	<i>Input</i>	<i>Output</i>
<i>E1</i>	Customer	1- Product Information 2- Order Confirmation Status 3- Date of delivery 4- Invoice	1- Order 2- Customer Data 3- Payment
<i>E2</i>	Administrator	1- Sales Report	1- Rules and Products
<i>E3</i>	Warehouse	1- Order List	1- Confirmation Order
<i>E4</i>	Bank	1- Credit Card details	1- Request Status
<i>E5</i>	Shipping Agent	1- Shipping Agent Request	1- Request Confirmation

Data Stores

<i>No</i>	<i>Name</i>	<i>Input</i>	<i>Output</i>
<i>D1</i>	Customer Files	1- Customer Data	2- Customer Data
<i>D2</i>	Product Files	1- Products 2- Order Detail	1- Product Details

Data Flow

<i>Num</i>	<i>Name</i>	<i>From</i>	<i>to</i>
<i>f1</i>	Rules and product details	E2	10.o
<i>f2</i>	Sales report	9.o	E2
<i>f3</i>	Shipping Agent request	6.o	E5
<i>f4</i>	Request Confirmation	E5	8.o
<i>f5</i>	Product Details	D2	9.o
<i>f6</i>	Products	10.o	D2
<i>f7</i>	Data Of Delivery	8.o	E1
<i>f8</i>	order Confirmation Status	6.o	E1
<i>f9</i>	Product Information	7.o	E1
<i>f10</i>	order Confirmation Status	E1	1.o
<i>f11</i>	Invoice	4.o	E1
<i>f12</i>	Order Details	1.o	2.o
<i>f13</i>	Order Details	1.o	7.o
<i>f14</i>	Order Details	1.o	D2
<i>f15</i>	Payment Credit Card	E1	5.o
<i>f16</i>	Confirmation Available Order	2.o	4.o
<i>f17</i>	Request Status	E4	4.o

<i>f18</i>	Request Status	E4	6.0
<i>f19</i>	Credit Card Details	5.0	E4
<i>f20</i>	Confirmation Order	E3	2.0
<i>f21</i>	Customer Data	D1	4.0
<i>f22</i>	Order List	2.0	E3
<i>f23</i>	Customer Data	3.0	D1
<i>f24</i>	Customer Data	E1	3.0

Process

<i>Number</i>	1.o
<i>Name</i>	Fill Order
<i>Input</i>	F10
<i>Output</i>	F12 , F13 , F14
<i>Description</i>	This process to get required and correct data from the use like payment card and depend on it's data show to him it's interests
<i>Number</i>	2.o
<i>Name</i>	Check Available Order
<i>Input</i>	F12 , F20
<i>Output</i>	F16 , F22
<i>Description</i>	This process to check customer's order available in warehouse or not
<i>Number</i>	3.o
<i>Name</i>	Receive Customer Data
<i>Input</i>	F24
<i>Output</i>	F23
<i>Description</i>	This process to add customer data to store it in database
<i>Number</i>	4.o
<i>Name</i>	Create Invoice
<i>Input</i>	F16 , F17 , F21
<i>Output</i>	F11
<i>Description</i>	This process create a invoice depend in user data and product details and payment details
<i>Number</i>	5.o
<i>Name</i>	Fill Credit Card
<i>Input</i>	F15
<i>Output</i>	F19
<i>Description</i>	This process to get correct user's payment to check it's account in any bank

<i>Number</i>	6.o
<i>Name</i>	Check Completed Order
<i>Input</i>	F18
<i>Output</i>	F8 , F3
<i>Description</i>	This process to check if every thing is correct like there are money in card and order available ... etc
<i>Number</i>	7.o
<i>Name</i>	Get Product Information
<i>Input</i>	F13
<i>Output</i>	F9 , F6
<i>Description</i>	This process it to return product information like price , feature , availability
<i>Number</i>	8.o
<i>Name</i>	Calculate Data of delivery
<i>Input</i>	F4
<i>Output</i>	F7
<i>Description</i>	This process to get the data of delivery depend on the place of the customer to meet shipping agent
<i>Number</i>	9.o
<i>Name</i>	Produce Sales Report
<i>Input</i>	F5
<i>Output</i>	F2
<i>Description</i>	This process to create report with all products that had sold
<i>Number</i>	10.o
<i>Name</i>	Set rules And Products Details
<i>Input</i>	F1
<i>Output</i>	F6
<i>Description</i>	This process to put rules and constraints that mange market .. and add product details like price ...etc