

IST 659: FINAL PROJECT

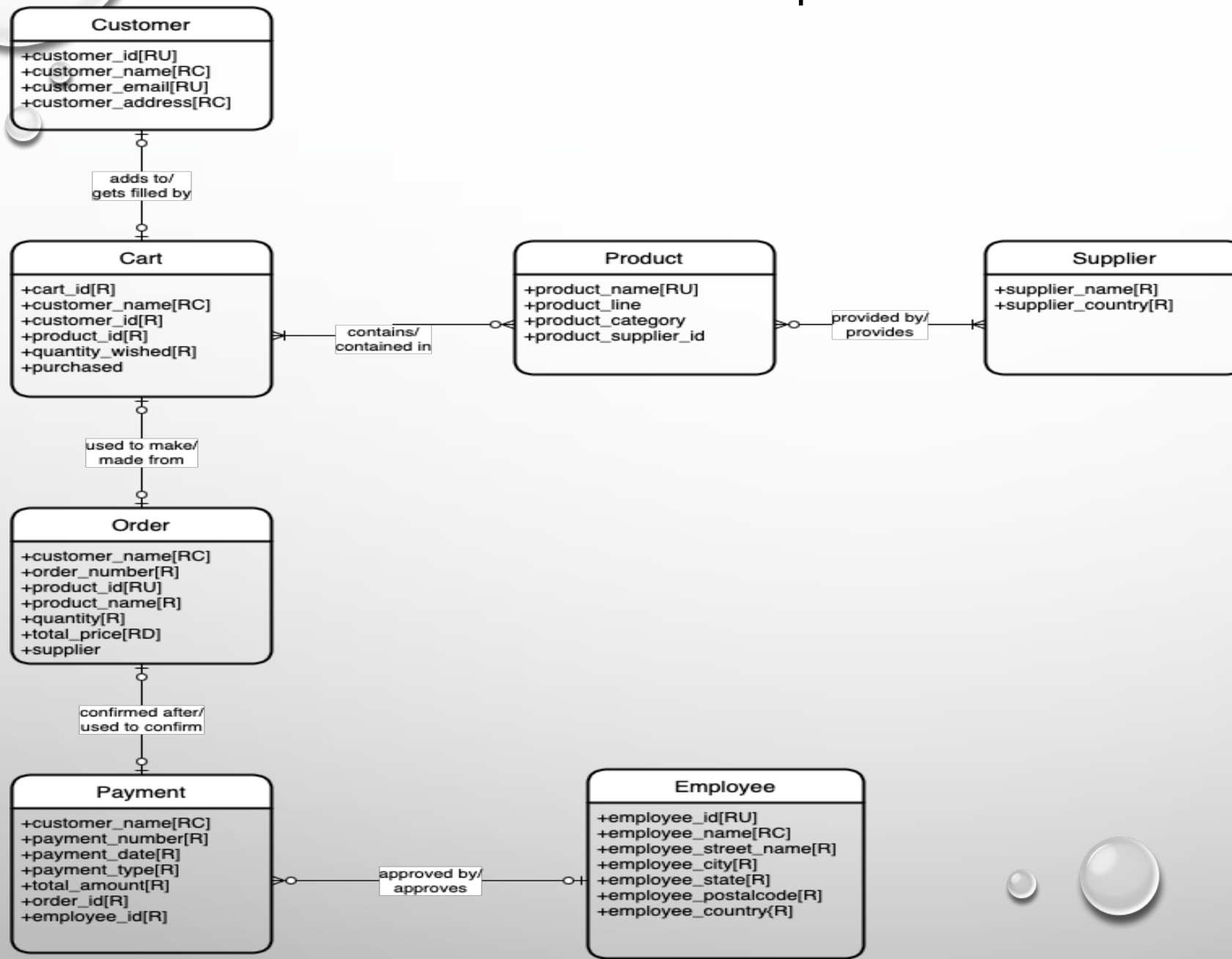
Title: Database Management System for Athleisure

By Ameya Rajesh Kelaskar and Sushil Sunilkumar Deshmukh

Aim of the project:

To create a database management system for both the Customers and employees of Athleisure, a company that deals in sporting goods.

Conceptual Model



Relational Model

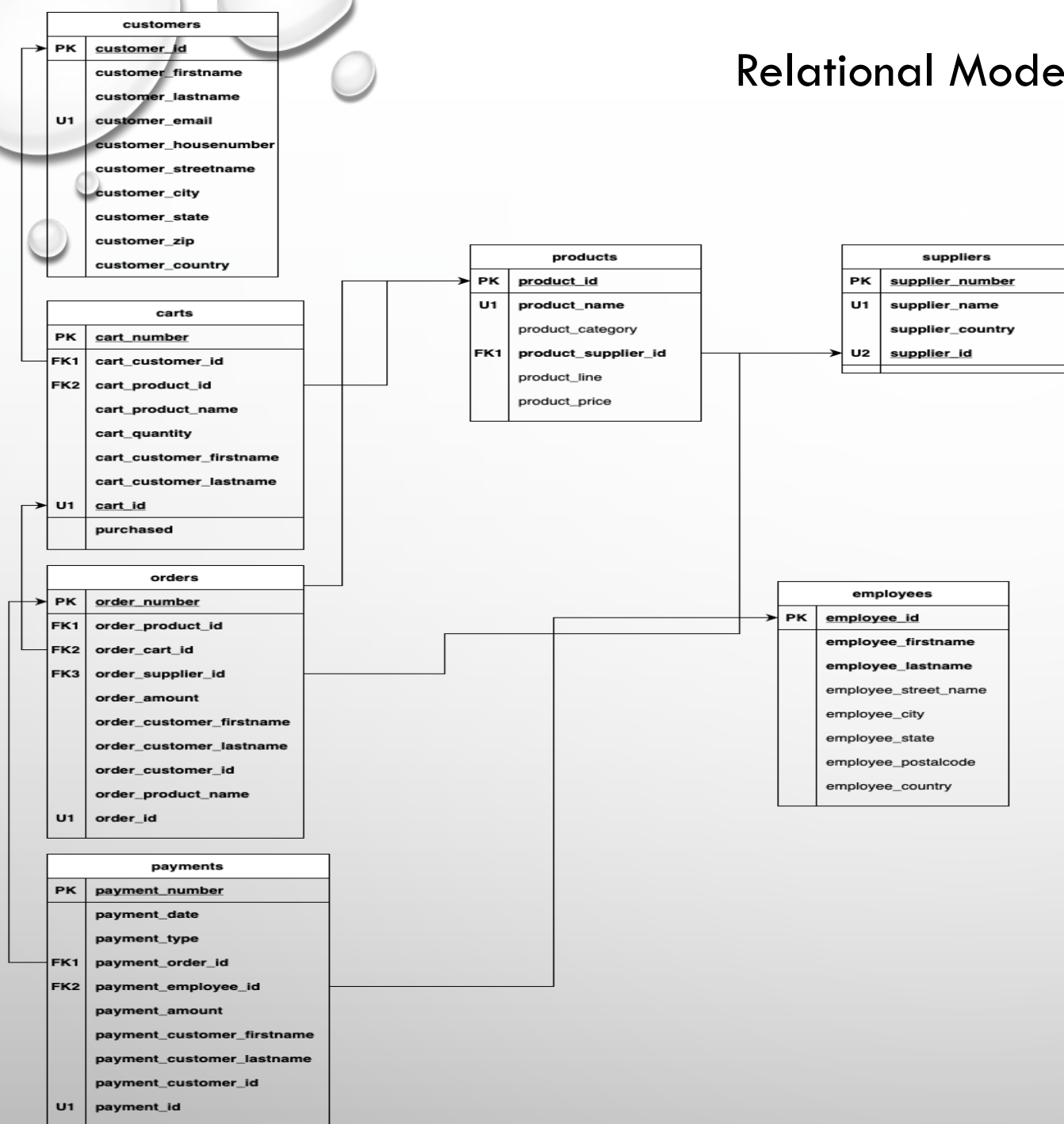


Table Data

Orders

	o_order_id ▾	o_total_price ▾	o_cart_id ▾	o_cart_product_id ▾	o_product_name ▾	o_supplier_id ▾	o_customer_id ▾	o_customer_firstname ▾	o_customer_lastname ▾
1	1	440.0000	1	1001	Puma RS-X Sports Shoes	100	1	Sushil	D
2	2	400.0000	1	1002	Adidas Badminton Raquet	101	1	Sushil	D
3	3	690.0000	2	1010	Puma Running Shorts	100	2	Ameya	K
4	4	200.0000	5	1008	Asics Basic Sports Shoes	104	3	Michael	F
5	5	2400.0000	3	1004	Nike Magic Johnson Shoes	102	3	Michael	F
6	6	80.0000	4	1007	Under Armour Trackpants	103	5	Jenna	C
7	7	60.0000	6	1005	Adidas Sweatshirt	101	5	Jenna	C

Products

	p_product_id ▾	p_product_name ▾	p_product_line ▾	p_product_category ▾	p_supplier_id ▾	p_product_price ▾
1	1001	Puma RS-X Sports Shoes	Sports Shoes	MEN	100	110.0000
2	1002	Adidas Badminton Raquet	Equipment	ALL	101	200.0000
3	1003	Nike Air Jordan Shoes	Sports Shoes	MEN	102	500.0000
4	1004	Nike Magic Johnson Shoes	Sports Shoes	MEN	102	600.0000
5	1005	Adidas Sweatshirt	Apparel	KIDS	101	60.0000
6	1006	Under Armour Duffel Bag	Bags	ALL	103	150.0000
7	1007	Under Armour Trackpants	Apparel	MEN	103	40.0000
8	1008	Asics Basic Sports Shoes	Sports Shoes	KIDS	104	200.0000
9	1009	Asics PRO Sports Shoes	Sports Shoes	MEN	104	350.0000
10	1010	Puma Running Shorts	Apparel	WOMEN	100	230.0000

Table Data

Payments

	py_payment_number ▾	py_payment_id ▾	py_payment_date ▾	py_payment_type ▾	py_payment_amount ▾	py_payment_order_id ▾	py_payment_employee_id ▾	py_pa
1	1	1	2021-04-21	Card	840	1	2	1
2	2	2	2020-03-11	Cash	200	2	3	2
3	3	3	2020-12-12	Card	350	4	2	5
4	4	4	2019-03-28	Cash	500	5	2	3
5	5	5	2019-05-15	Card	60	7	3	1

Customers

	c_customer_id ▾	c_customer_firstname ▾	c_customer_lastname ▾	c_customer_housenumber ▾	c_customer_street ▾	c_customer_email ▾	c_customer_city ▾	c
1	1	Sushil	Deshmukh	100 Euclid Ave	Euclid Ave	sdeshmuk@syr.edu	Syracuse	:
2	2	Ameya	Kelaskar	110 Lancaster Ave	Lancaster Ave	akelaska@syr.edu	Syracuse	:
3	3	Michael	Fudge	130 Comstock ave	Comstock Ave	mafudge@syr.edu	Rochester	:
4	4	Bob	Vaugh	bobvgh@gmail.com	200 Vinod ave	Dusseldorf	Dusseldorf	:
5	5	Jenna	Johnson	jjohnson@gmail.com	300 XPR Street	Dusseldorf	Dusseldorf	:

Table Data

Employees

	e_employee_id ▾	e_employee_firstname ▾	e_employee_lastname ▾	e_employee_street ▾	e_employee_city ▾	e_employee_state ▾	e_employee_postalcode ▾	e_employee_gender ▾
1	1	Kunal	Shah	Van Bueren Street	Syracuse	NY	13210	50
2	2	Michael	Fudge Jr	E. Gennesse street	Rochester	NY	13244	15
3	3	John	Adams	redmond st.	Palo Alto	CA	14738	30
4	4	Johnny	Depp	E. colvin	Rochester	NY	12343	10
5	5	Nithin	Kamath	Redfield Pl	Syracuse	NY	13211	90

Carts

	ct_cart_number ▾	ct_cart_id ▾	ct_cart_items_purchased ▾	ct_quantity_wished ▾	ct_customer_firstname ▾	ct_customer_lastname ▾	ct_customer_id ▾	ct_customer_gender ▾
1	1	1	Yes	2	Sushil	Deshmukh	1	100
2	2	2	No	3	Ameya	Kelaskar	2	100
3	3	3	No	4	Michael	Fudge	3	100
4	4	4	Yes	2	Jenna	Johnson	5	100
5	5	5	Yes	2	Michael	Fudge	3	100
6	6	6	No	1	Jenna	Johnson	5	100

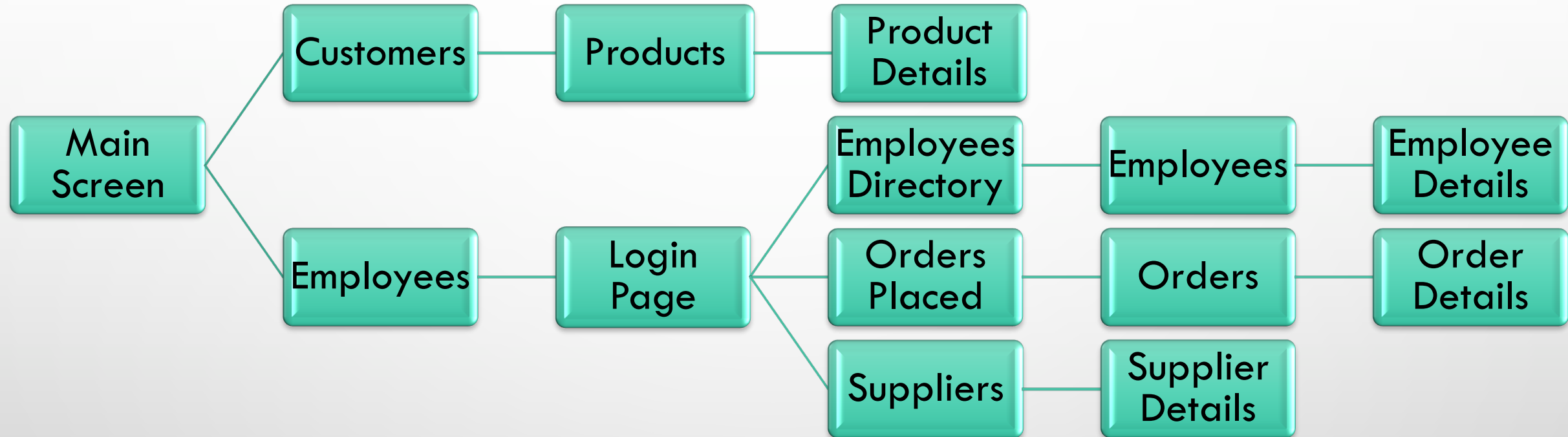
Employees

	e_employee_id	e_employee_firstname	e_employee_lastname	e_employee_street	e_employee_city	e_employee_state	e_employee_postalcode	e_employee_phone
1	1	Kunal	Shah	Van Bueren Street	Syracuse	NY	13210	518-487-1234
2	2	Michael	Fudge Jr	E. Gennesse street	Rochester	NY	13244	1-800-555-1234
3	3	John	Adams	redmond st.	Palo Alto	CA	14738	310-555-1234
4	4	Johnny	Depp	E. colvin	Rochester	NY	12343	1-800-555-1234
5	5	Nithin	Kamath	Redfield Pl	Syracuse	NY	13211	907-555-1234

Carts


	ct_cart_number	ct_cart_id	ct_cart_items_purchased	ct_quantity_wished	ct_customer_firstname	ct_customer_lastname	ct_customer_id	ct_
1	1	1	Yes	2	Sushil	Deshmukh	1	100
2	2	2	No	3	Ameya	Kelaskar	2	100
3	3	3	No	4	Michael	Fudge	3	100
4	4	4	Yes	2	Jenna	Johnson	5	100
5	5	5	Yes	2	Michael	Fudge	3	100
6	6	6	No	1	Jenna	Johnson	5	100

Workflow of the PowerApps Application



PowerApps Application GUI

Welcome To Athleisure

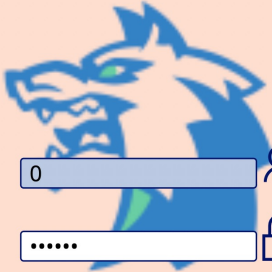


ATHLEISURE

Customer

Employee

Login to Continue




User-ID

Password

ATHLEISURE

Login

Back

 Welcome, You have Succesfully Logged In

Employees Directory

Employees Directory

Orders Placed

Orders

Supplier

Supplier

Future Scope

- A full-fledged database and database management system for the company.
- Moving front-end and back-end to Cloud.
- Adding more features like:
 - a. Integrating analytics into the database.
 - b. Placing orders.
 - c. Automating payments
 - d. Automate data updating.