	Operation	1	State	logic division	between front-end, backe	nd, and DB sides
Systems	Operation	Operation Type (insertion,deletion, update)	Direct or Have extra business roles	front-end	backend	DB
Bank	Open new account	upuato	Extra business roles	insert client details , ID	check the age of client	insert into Client table
	Deposit money		Direct	insert the amount of money	-	insert into transaction , ubdate the balance
	New loan	insertion	Extra business roles	insert the request form of loan	check the balance of client , check the loan type,check documents uploded	insert into loan
	Add beneficiary		Direct	insert the beneficiary account number , bank code or name and user name	-	insert into Beneficiary Table
	New credit card		Extra business roles	insert request of the type of card and the shipping details	check if the account is active	insert into vard-request
	Delete account	deletion update query cases	Extra business roles	Delete request form	check the balance of account ,check if have loan or not ,	Change the account status to = 'Closed'
	Delete scheduled payment		Direct	select the scheduled payment thd press delete button	-	Delete row from payment table
	Cancel card		Direct	report card lost form Delete button and	Freeze card	Update card status to ' Blocked' Delete from Beneficiary
	Delete beneficiary Update Customer contact		Direct	confirmation	-	Table update Customer contact
	information Edit beneficiary details		Direct	update contact form update beneficiary	-	info in Customer table Update Beneficiary info
	Reschedule loan payment		Extra business roles	detailes form Request form	Check loan eligibility	from Beneficiary Table update repayment-
	Change password		Direct	update password	-	schedule update user password
	Check account balance		Direct	form Balance display	select account balance	Read from Account
	Card status		Direct	Card dashboard	Fetch from card	Read from Card, Card_Status
	View transaction history		Direct	Transaction list	Download	Read Transaction by account
Hospital	Register new patient	Insertion	Extra business roles	adding patient information	check if the patient have account or not	insert into patient table
	Book Appointment Admit patient		Direct Extra business roles	chose Date / Time Admission form	Check availability Check room availability	insert into appointment insert into Admission,
	Add staff member		Extra business roles	New employee form	Validate role, license	update room status insert into staff table
	Cancel appointment		Direct - Extra business roles	Cancel button	Check cancellation rules - 24h before / -	pdate Appointment status = 'Cancelled'
	Cancel admission	23/04/011	Extra business roles	Cancellation form	Ensure discharge summary	Update Admission status = 'Cancelled'
	Update patient info Update diagnosis or		Direct Extra business roles	Edit profile page edit diagnosis or	- Check the medicen	update patient table update Medical recored
	treatment Change appointment time	update	Direct	treatment picke new	ook are medicell	update appointment time
	Change staff schedule		Extra business roles	appointment time change the date and time	check the availability of staff	update staff scehdule
	View patient history	query cases	Extra business roles	Patient search	fetch visits	Query Medical Record, Admission, Lab Results tables
	View appointment schedule		Direct	View schedule	Filter by doctor, patient, date	display Appointment table
	Check room availability		Extra business roles	Room list	Filter by type, availability	Room where Status = 'Available'
Hotel	Make reservation - online	insertion	Direct	guest info , payment , reserved date / time	-	insert into reservation system
	Reception reservation		Extra business roles	rservation form	check real time available room	insert into reservation table insert into check in table
	Check in		Extra business roles	ID , room number	validate booking	and update the status of room into = ' Occupied'
	Cancel reservation	deletion	Direct	Cancel form	-	delete reservation and update the room status ='Available'
	Delete guset info		Extra business roles	Delete guset form	Check the payment status of guest	Delete guest info from guest table Delete the service
	Cancel service request		Direct	Service cancellation form	-	appointment from service schedule and update service status = 'Available'
	Update guest info	update query cases	Direct	Guest profile	-	update the guest info in Guest Table
	Update reservation		Direct	Reservsation form	-	update the Reservation info in Reservation Table
	Upgrade room		Extra business roles	Room form	check the availability of room	Update the room number in the reservation
	Search available rooms		Direct	Select date	Check room status and bookings	Room where not booked for selected date range join Guest, Booking,
	View reservation details		Direct	Booking dashboard	select Booking details	Room Select from Room with
Airline	Room status report	insertion	Extra business roles	Room list Search flights, seat	Check Room status	joins to Booking, CheckIn Insert into Booking,
	Book flight ticket Create flight schedule		Direct Extra business roles	map, payment form	Check availability Chech the availability time and date in schedule	Passenger, Ticket, assign seat Insert into Flight, Schedule
	Add special service request		Direct	Service option dropdown	Check eligibility	Insert into Service Request, link to Passenger
	Cancel ticket	deletion	Direct	Cancel button	Check refund rules	Update Booking status = 'Cancelled', adjust Seat status
	Cancel flight		Extra business roles	Cancel form	Rebook passengers, notify systems	Update Flight status = 'Cancelled'
	Remove passenger		Extra business roles	Passenger list editor	Check Passenger rules	Mark Passenger.Status = 'Removed' and modify the total passenger
	Change seat selection		Direct	Seat map	Check availability	Update Passenger Seat Number
	Edit passenger details	update query cases	Direct	Edit form	Check name change policy	Update Passenger Name
	Upgrade to business class		Direct	Upgrade options screen	check seat availability	Update Passenger Class
	Search flights Check booking status		Direct	destination search	Search Flight where available seats > 0 Check availability	Flight where available
	Check booking status View loyalty miles		Direct	Booking ID Loyalty dashboard	search for miles	Select from Booking Read from Loyalty Account
E-Commerce	User account registration	insertion	Direct	Sign-up form	Validate email	Insert into User, User Profile
	Add product review		Direct	Rating / comment form	Check purchase history	Insert into Review
	Add product		Extra business roles	Product form	Validate categories, images, descriptions	Insert into Product
	Cancel order	deletion	Direct	Cancel button	Check order status	Update Order status = 'Cancelled'
	Delete product		Extra business roles	Product list editor	Check for active orders	Update Product status = 'Inactive' Delete row from Cart
	Remove cart item Edit user profile	update	Direct Direct	Cart page User profile form	- Check validation	table Update User Profile
	Update product		Direct	Product dashboard	Validate stock min/max	Update Product price
	Update order status (shipped, delivered) Search products		Extra business roles Direct	Order update dashboard Search bar	update delivery tracking	Update Order status Display Product
	View order history	query cases	Direct	Order ID	-	Display Order
YouTube	Upload video Post comment	insertion	Direct Direct	Upload video form Comment input box	-	Insert into Video Insert into Comment
	Subscribe to channel	551 11011	Direct	Subscribe button	Check duplicate subscription	Insert into Subscription
	Delete uploaded video	deletion	Direct	Delete button on video	-	update status of Video ='Deleted'
	Remove comment Unsubscribe channel	чененоп	Direct Direct	Delete option Unsubscribe button	-	Delete from Comment Delete from Subscription
	Edit video title/description Update profile/channel info		Direct Direct	Video editor form Edit profile page	-	Update Video title Update user profile
	Change video visibility (public/private)	update	Direct	Visibility selector	-	Update Video visibility
	(public/private)					
	Search videos	query cases	Direct	Search bar with filters	Search	View video Read from Video.