

TONSORIUM TWITS

ALL SALONS UNDER ONE ROOF



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OUR TEAM



ST. XAVIER'S COLLEGE, AHMEDABAD

GROUP 8

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CO-ORDINATORS :

- Mr. DHWANIR SHAH
- Dr. MANALI BRAHMBHATT



COMPANY INTRODUCTION



COMPANY INTRODUCTION

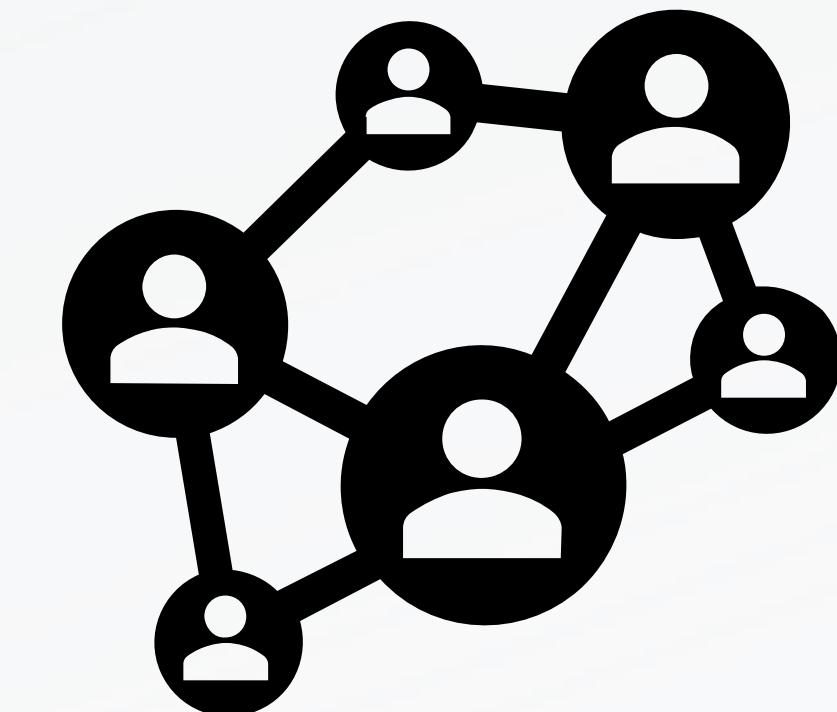


Techmicra IT Solutions based in Ahmedabad have been providing IT solutions & services to organizations since 2013 located at Office No 12. First Floor Sanidhya Building, Ashram Rd, opp. UCO Bank, Ellisbridge, Ahmedabad, Gujarat 380006

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The company started with web development and design solutions during its inception phase and now has more than 25 departments like CRM development, Branding solutions, ERP implementation solutions, database administration & development, business intelligence and data analytics and more. With over 40 plus employees we are continually growing in each and every technology/domain. Extensive training and research programs for all our trainers and developers strengthen our grip and make us better in what we do.



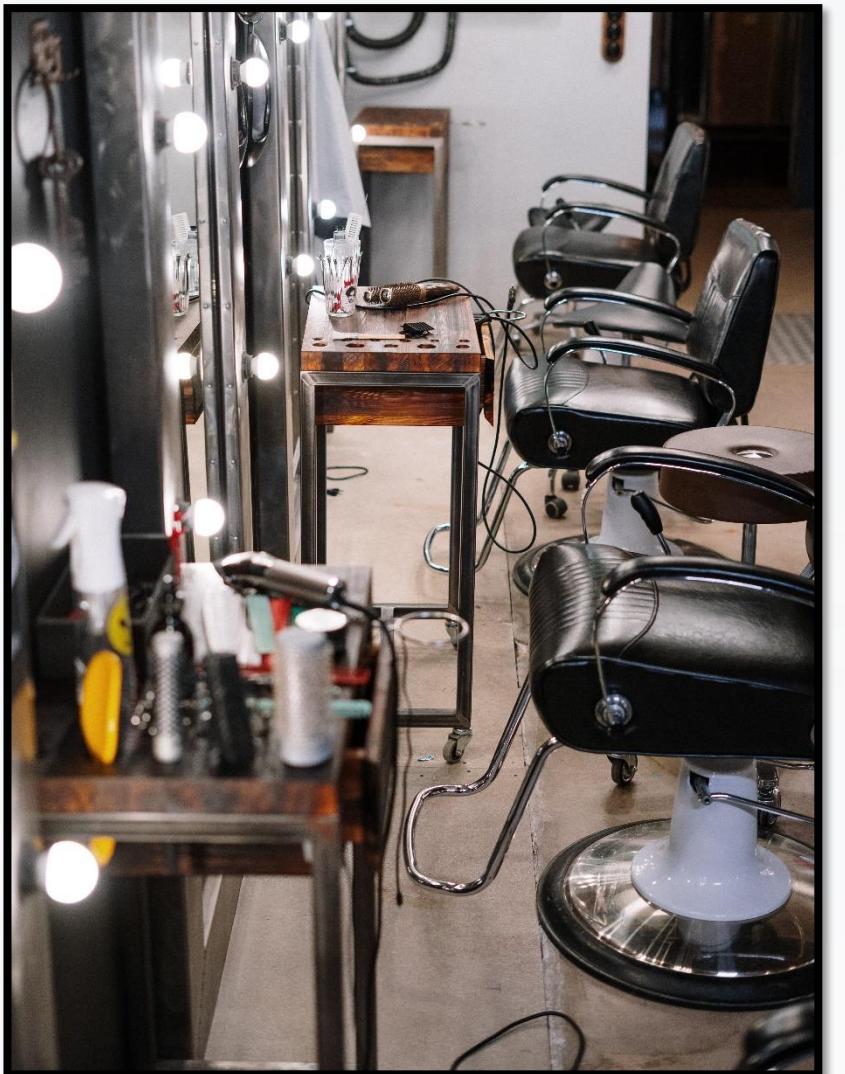
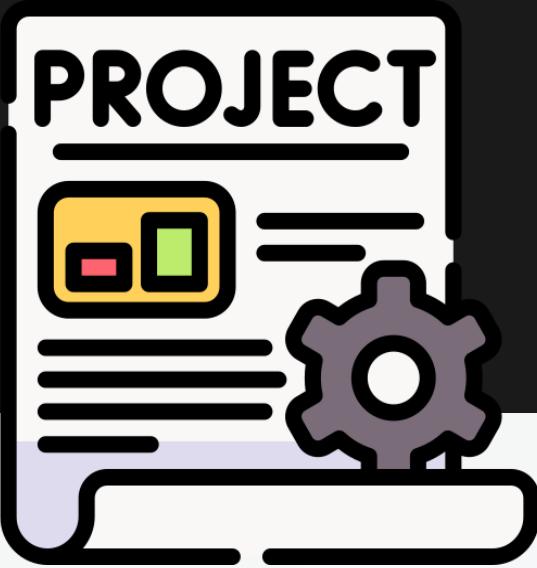
PROJECT DEFINITION



PROJECT DEFINITION

Tonsorium (Latin) is a location where a skilled barber offers services.

- Tonsorium Twits will be a web-based application which is used for the unisex Tonsorium.
- This system will manage the day-to-day tasks of the Tonsorium related to it's Admin, Customer and Staff Members.
- Customer can choose among multiple tonsoriums across City and manage Appointments online.
- Maintains the clients, offers, employees and accounts which include the bills, expenses etc.



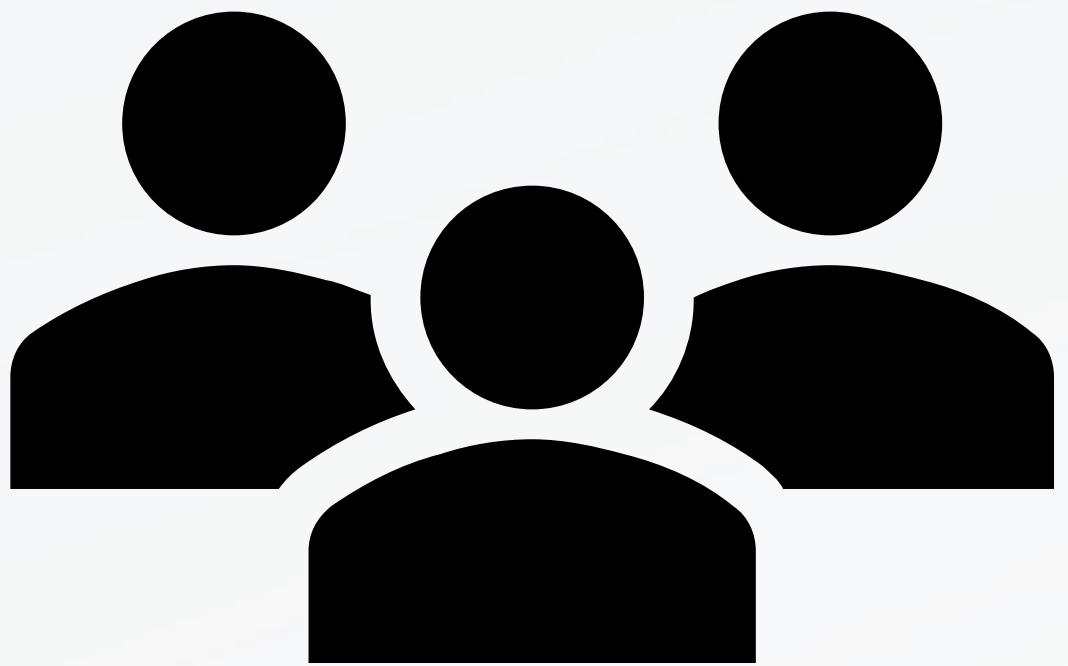
REQUIREMENT GATHERING



REQUIREMENT GATHERING

There are 5 entities in our System:

- ADMIN
- VISITOR
- TONSORIUM OWNER
- TONSORIUM STAFF
- CUSTOMER



REQUIREMENT GATHERING

ADMIN

ADMIN CAN :

- Login using login credentials
- Manage Tonsorium Owners (Approve Tonsorium and De-Activate Tonsorium)
- Manage Customers (Approve and De-Activate)
- Manage Services (Add, Update and Remove Services)
- Manage Payments(Make Payment to Tonsorium Owners, Receive payment from Customers, Refund, etc.)
- View Feedback From Customers



REQUIREMENT GATHERING

VISITOR

VISITOR CAN:

- View Tonsoriums
- View Services
- Signup by providing relevant details
- View feedbacks of Tonsoriums and Staff

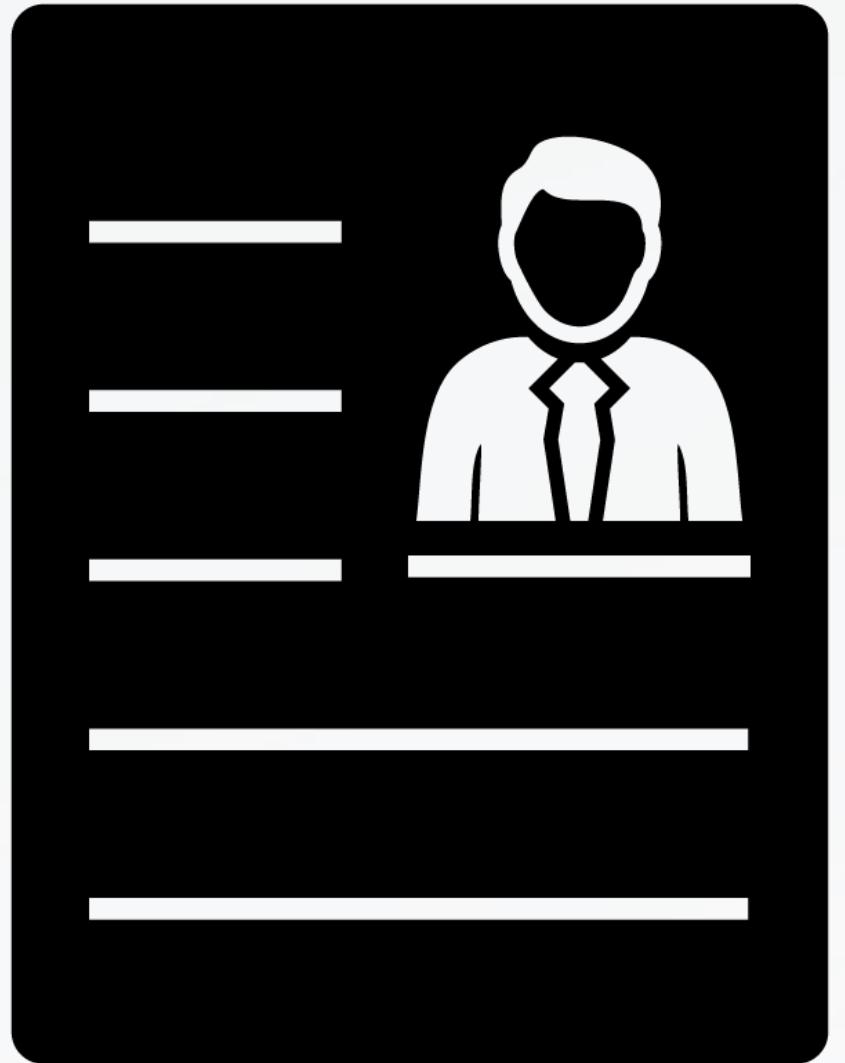


REQUIREMENT GATHERING

TONSORIUM OWNER

TONSORIUM OWNER CAN:

- Sign up by providing relevant details
- Login using login credentials
- Manage Services (Add, Update, Remove Services)
- Manage Appointments (Cancel Appointments)
- Manage Staff (Add staff, Update staff details, Remove staff, etc)
- Manage Payments (View)
- View feedback from Customers



REQUIREMENT GATHERING

TONSORIUM STAFF:

STAFF CAN:

- Login using login credentials
- Manage Appointments (Accept/Decline and Cancel)
- View feedback from customers
- View work details (Total Customers served, ratings, etc.)



REQUIREMENT GATHERING

CUSTOMER:

CUSTOMER CAN:

- Login using login credentials
- View Tonsorium and Services
- Manage Appointments (Book, Cancel and Reschedule)
- Make payments and request refund
- View and provide rating and feedback to Tonsorium and Staff



EXISTING SYSTEM



EXISTING SYSTEM

- Currently there are web-apps available online such as:

<https://www.miosalon.com/>

<https://respark.in/>

<https://www.tonsorium.co.uk/>



- This all systems provide services to only single tonsoriums at a time.



PROPOSED SYSTEM



PROPOSED SYSTEM

- All existing systems provide services to only single Tonsorium.
- Our system provides platform to list down their Tonsorium's online on our platform and customer can choose Tonsorium's among multiple available options in their locations.
- They can Book, Schedule, Reschedule their appointments online with convenience from their homes to save their precious time.
- Also customer has option to choose Tonsoriums according to Ratings and Reviews in order to ensure that they get best services.



TOOLS AND
TECHNOLOGY
USED



TOOLS AND TECHNOLOGY USED



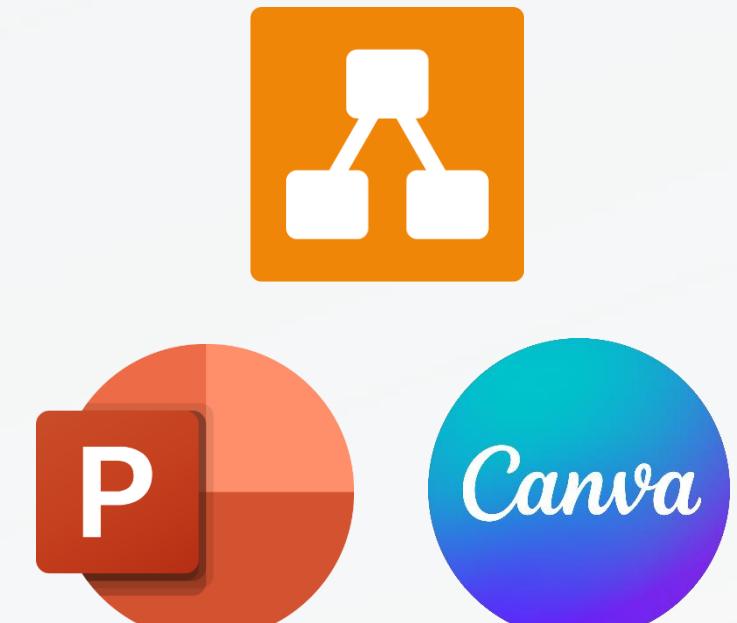
FRONT-END

HTML 5
CSS 3
JavaScript 13
REACT JS v18



BACK-END

mongoDB v6.0.7
Node JS v20



OTHER TOOLS

MS PowerPoint
2021
Draw.io v21.6.1
Canva v1.38.0

D

DATA

F

FLOW

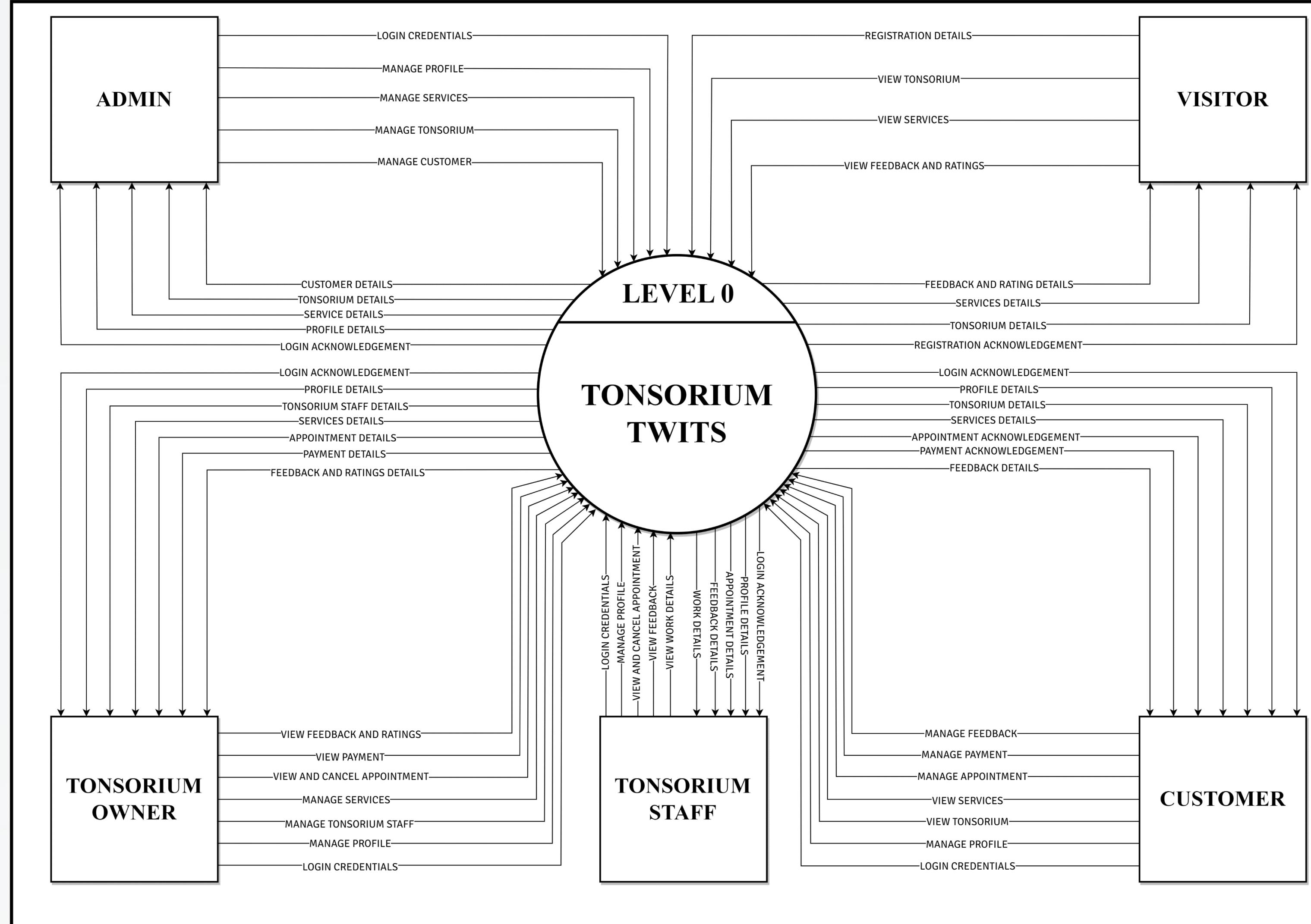
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DIAGRAMS



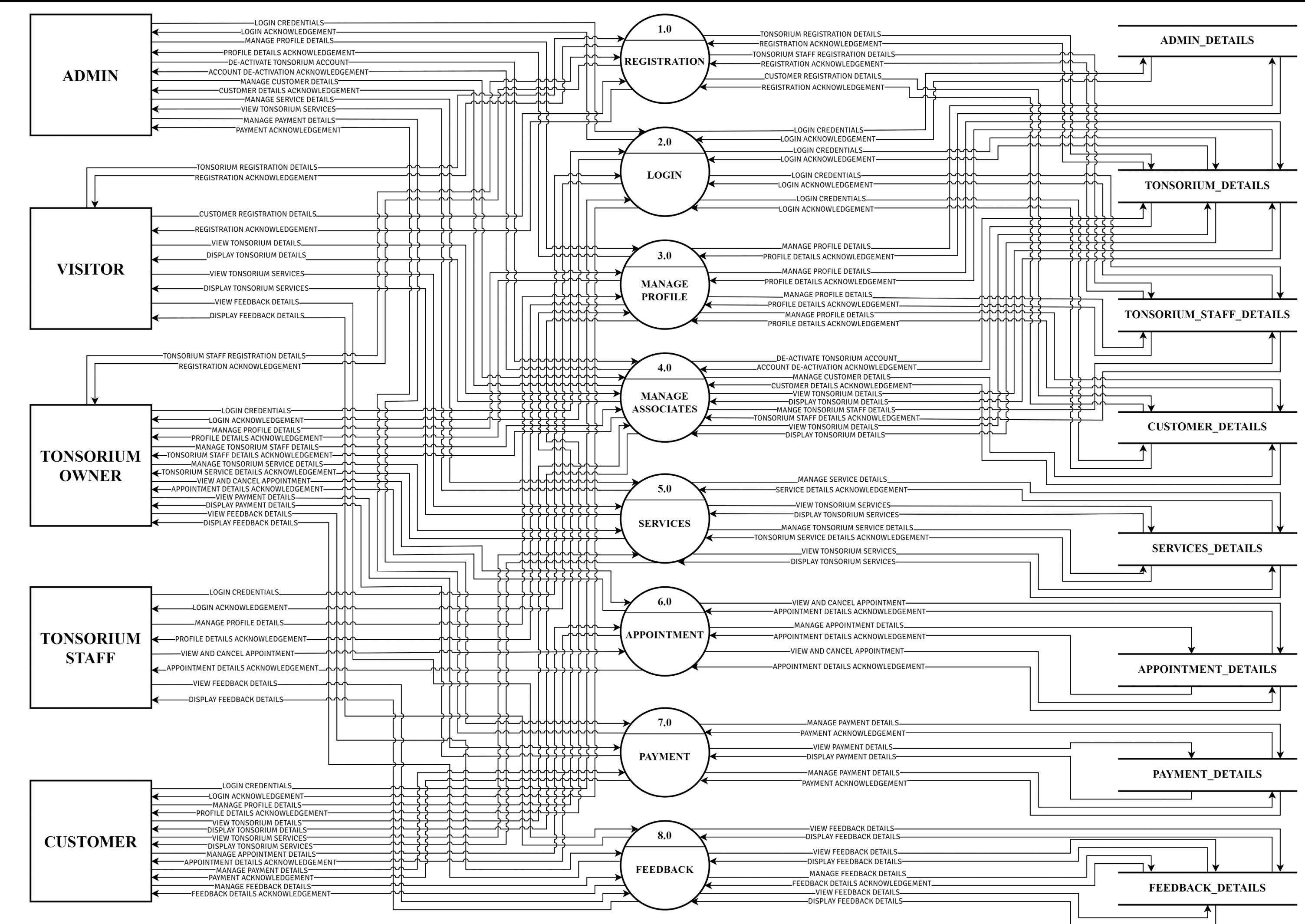
LEVEL 0





LEVEL 1





LEVEL 2

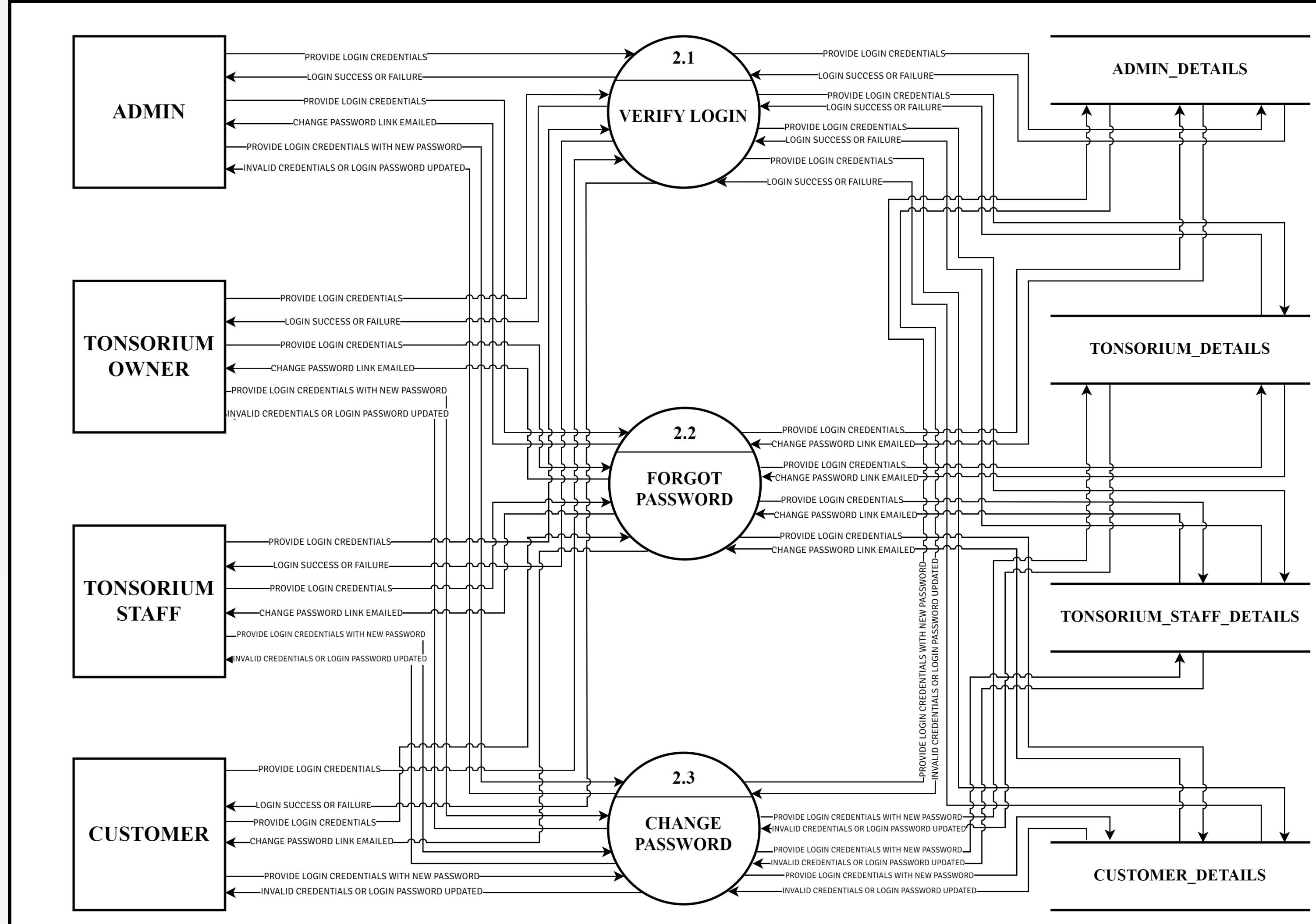


LEVEL 2

PROCESS 2.0

LOGIN



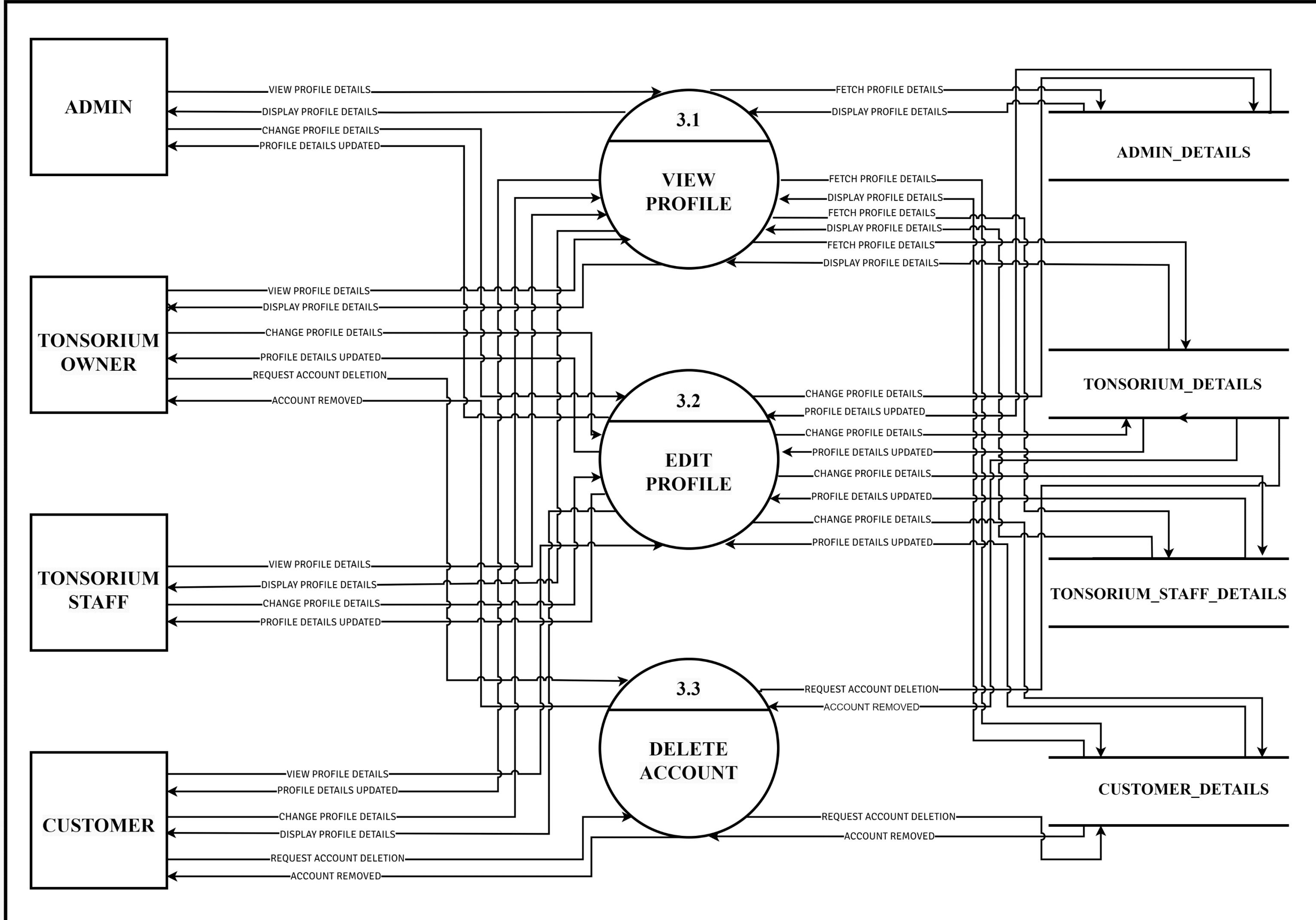


LEVEL 2

PROCESS 3.0

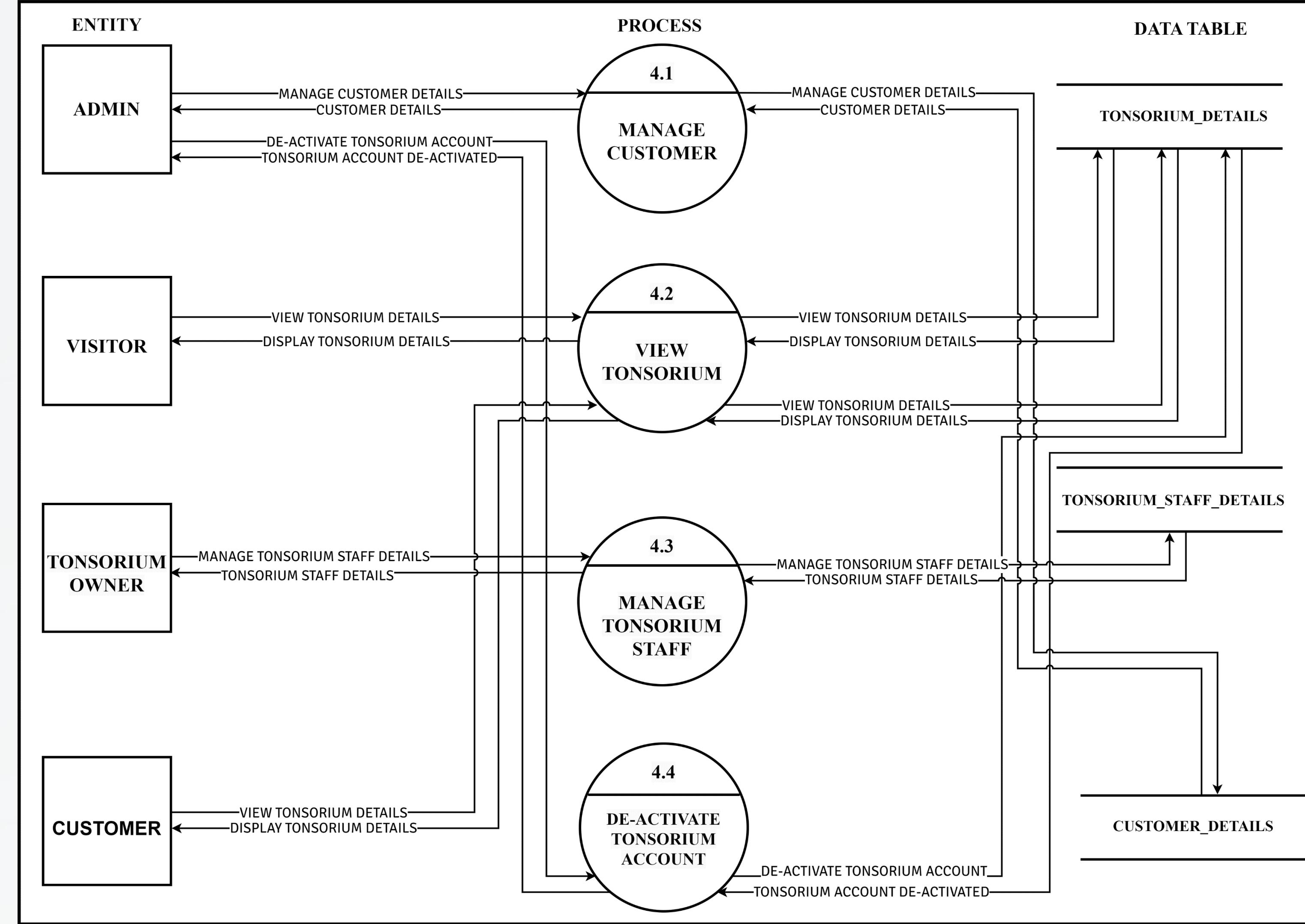
MANAGE PROFILE





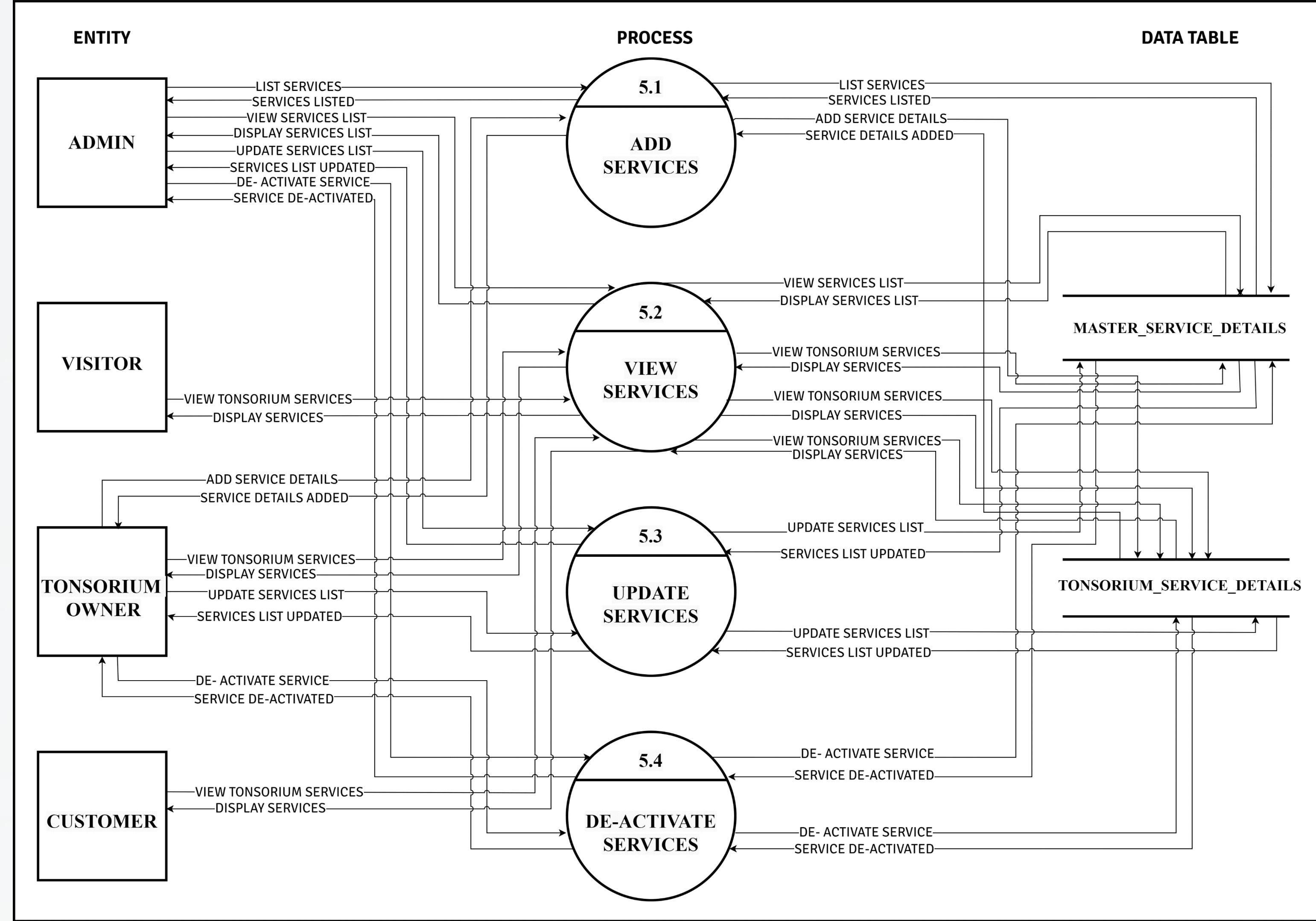
LEVEL 2
PROCESS 4.0
MANAGE ASSOCIATE





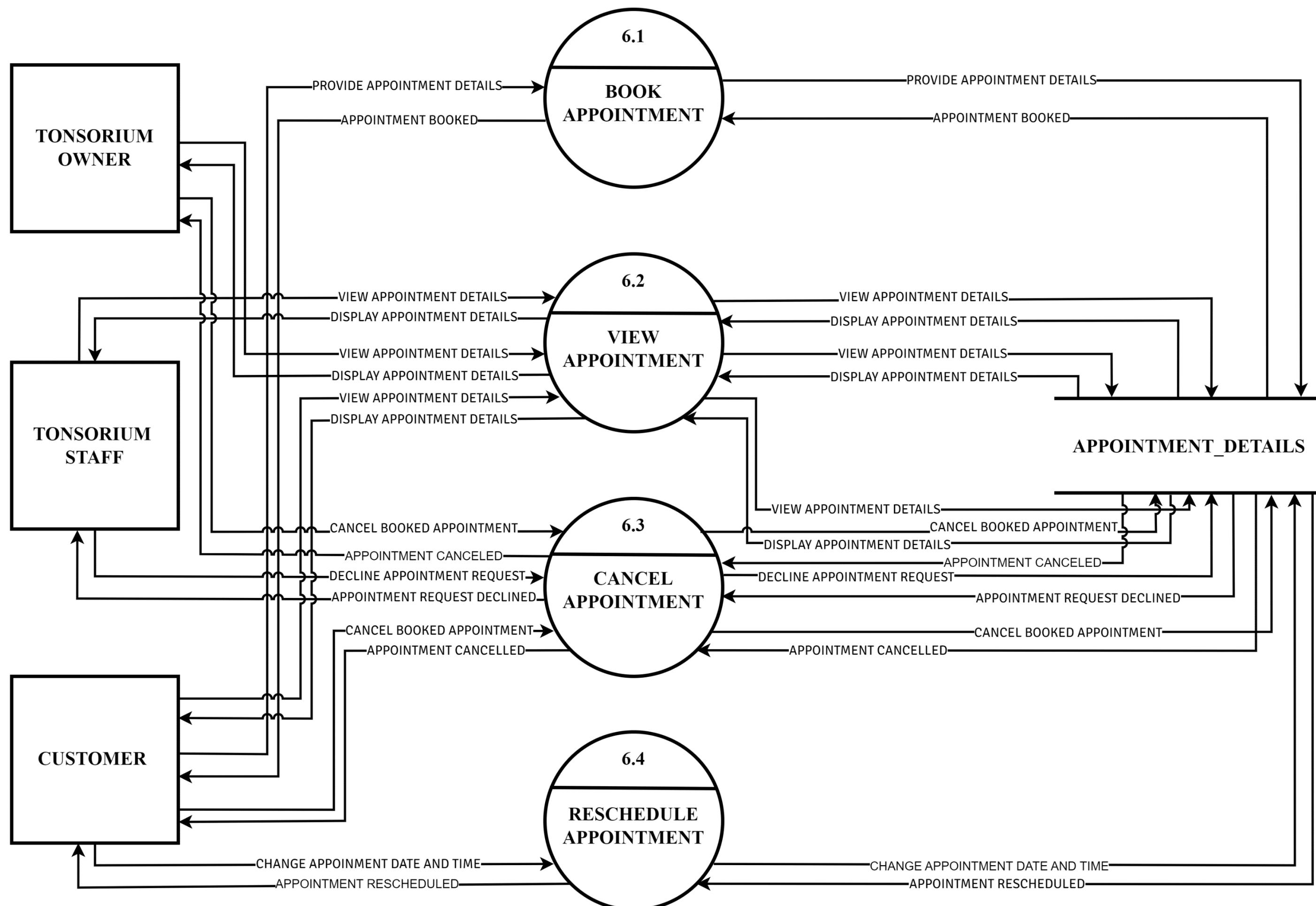
LEVEL 2 PROCESS 5.0 SERVICES





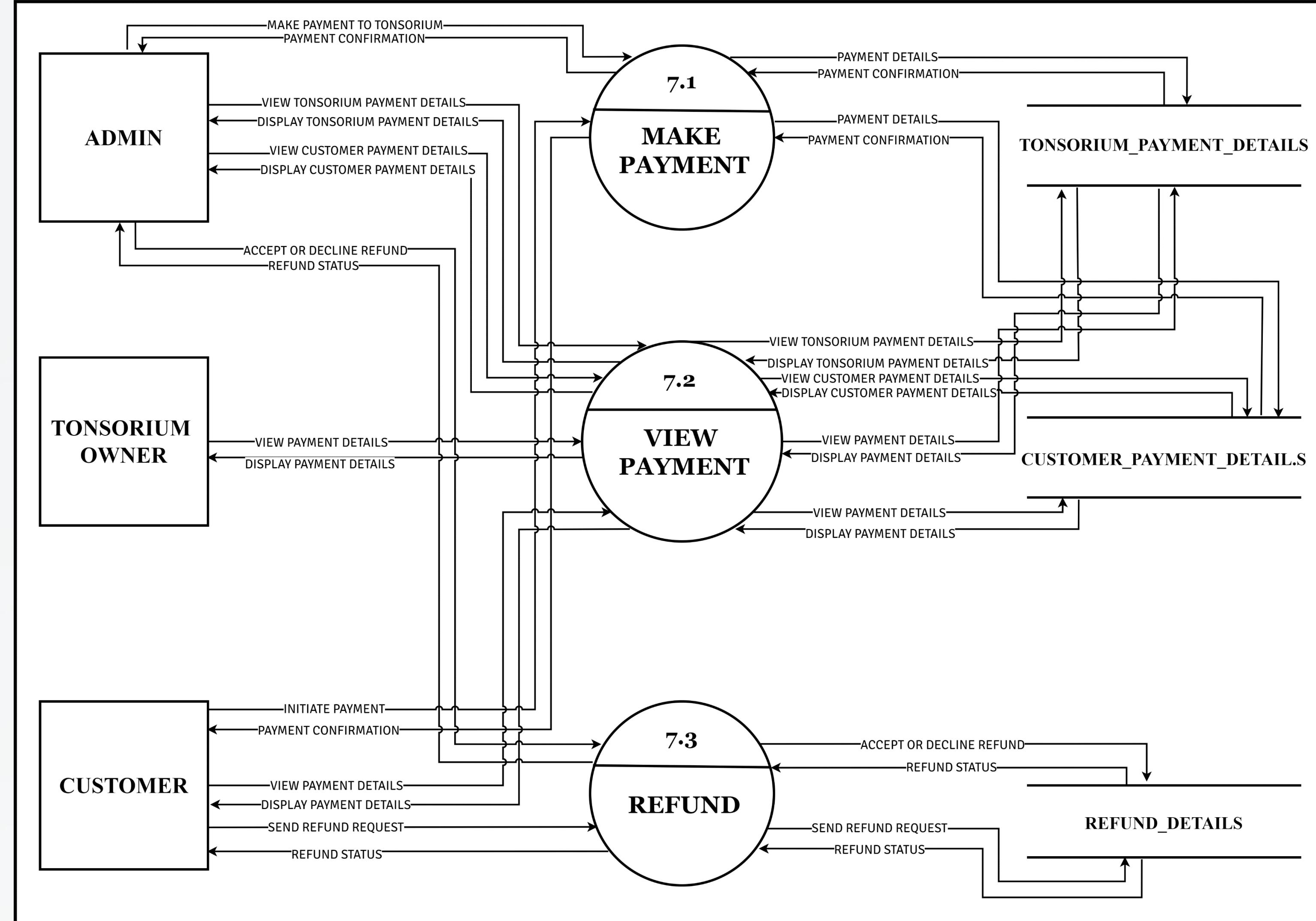
LEVEL 2 PROCESS 6.0 APPOINTMENT





LEVEL 2 PROCESS 7.0 PAYMENT



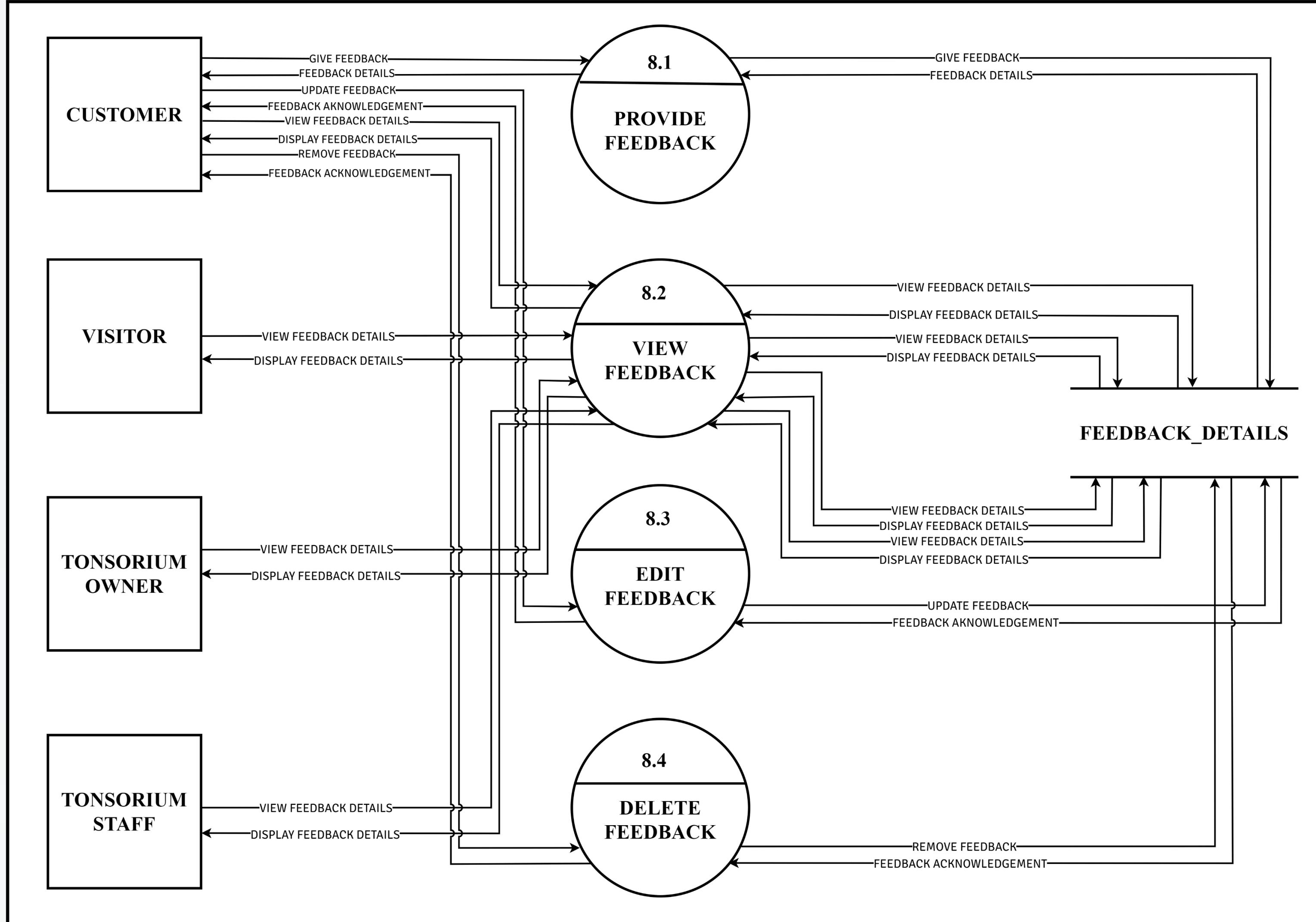


LEVEL 2

PROCESS 8.0

FEEDBACK



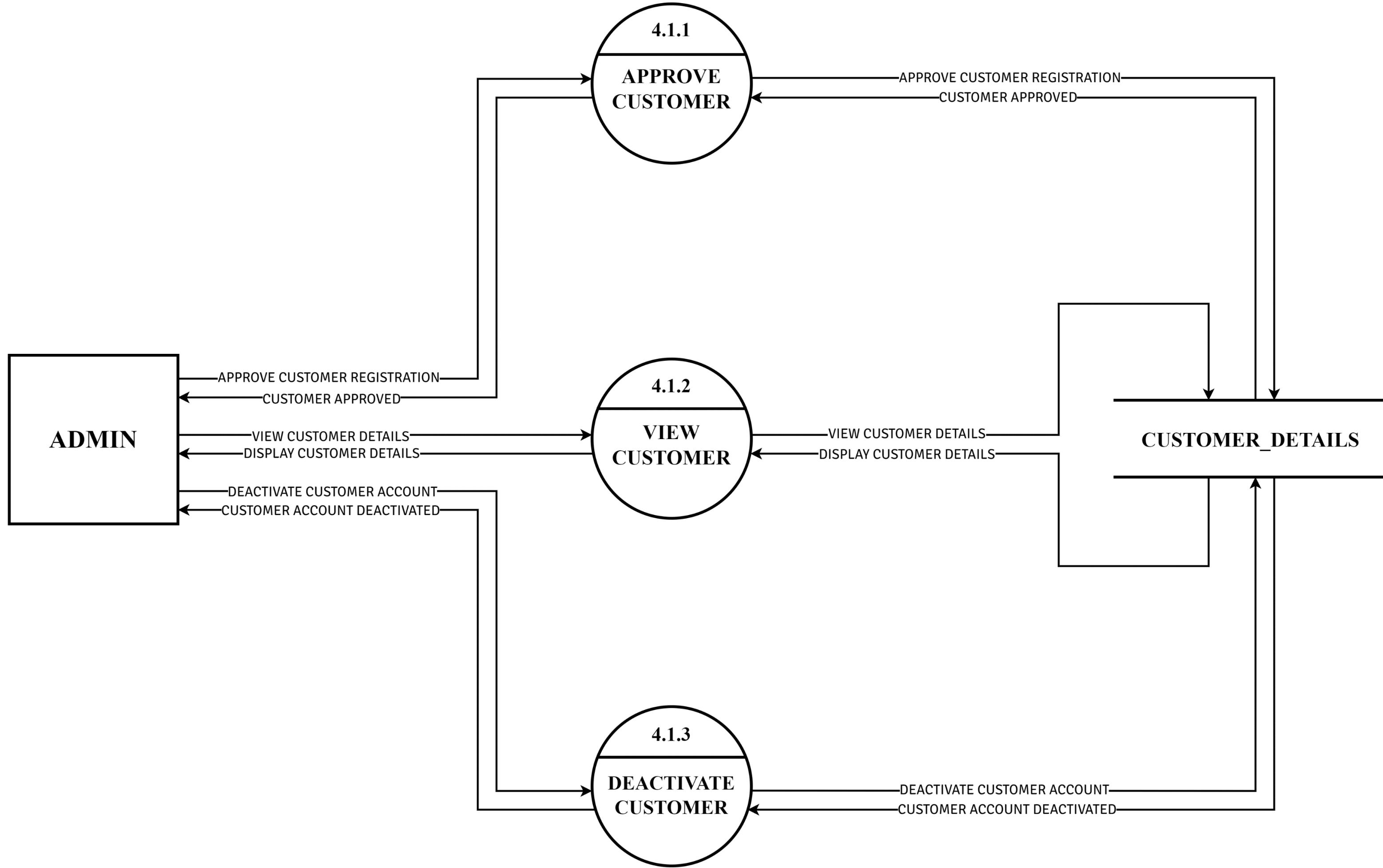


PROCESS 3.0
MANAGE ASSOCIATE
LEVEL 3



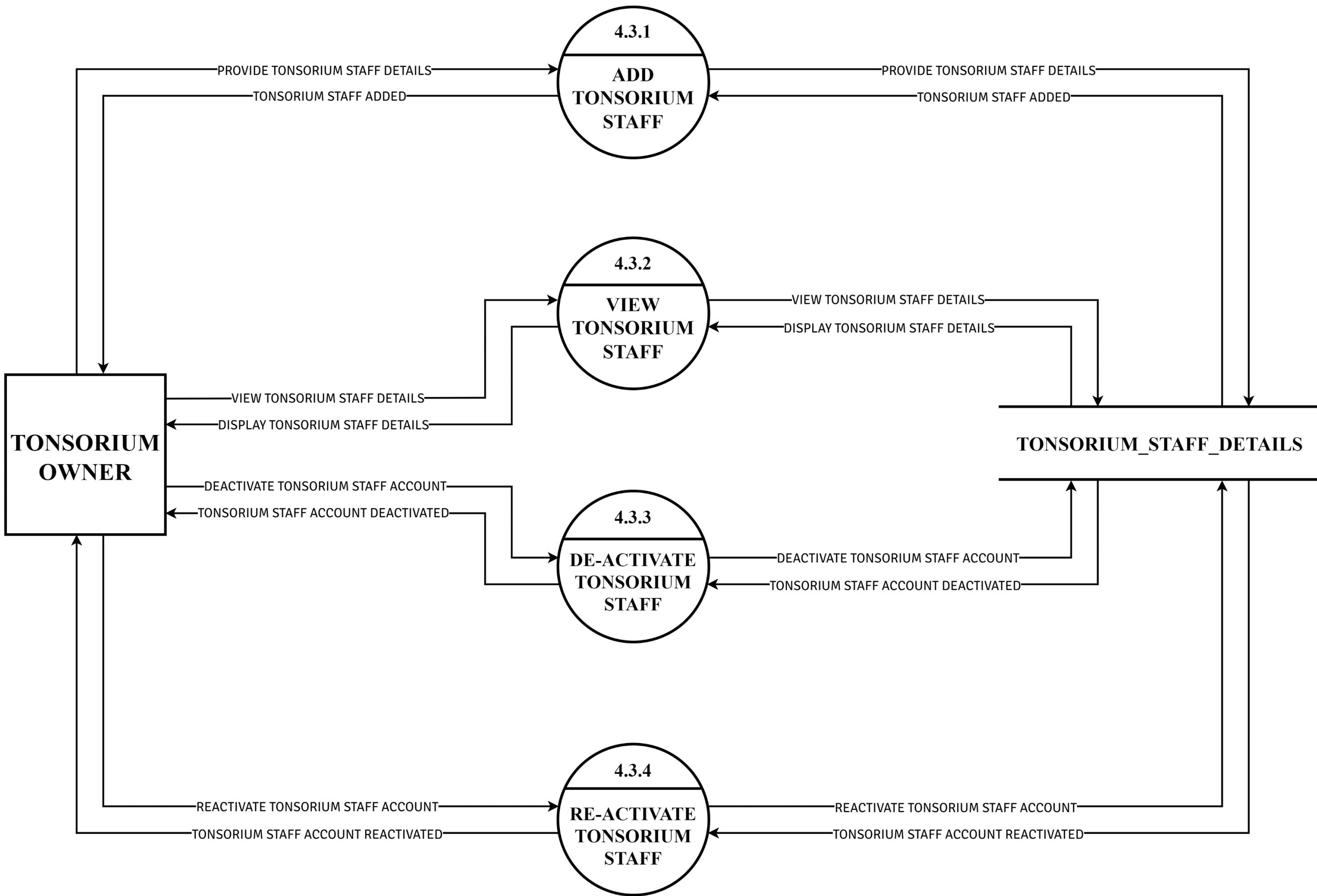
LEVEL 3
PROCESS 4.1
MANAGE CUSTOMER





LEVEL 3
PROCESS 4.3
MANAGE TONSORIUM STAFF





DATA DICTIONARY



LIST OF TABLES

1)	ADMIN_DETAILS TABLE
2)	TONSORIUM_DETAILS TABLE
3)	TONSORIUM_STAFF_DETAILS TABLE
4)	CUSTOMER_DETAILS TABLE
5)	SERVICE_DETAILS TABLE
5.1)	MASTER_SERVICE_DETAILS TABLE
5.2)	TONSORIUM_SERVICE_DETAILS TABLE
6)	APPOINTMENT_DETAILS TABLE
7)	PAYMENT_DETAILS_TABLE
7.1)	CUSTOMER_PAYMENT TABLE
7.2)	TONSORIUM_PAYMENT TABLE
7.3)	REFUND_DETAILS TABLE
8)	FEEDBACK_DETAILS TABLE
9)	STATE_DETAILS TABLE
10)	CITY_DETAILS TABLE



ADMIN DETAILS TABLE

ADMIN_DETAILS					
FIELD NAME	DATATYPE	FIELD LENGTH	CONSTRAINT	DESCRIPTION	
Admin_ID	INT	1	PRIMARY KEY	UNIQUE ADMIN ID	
Admin_User_Name	VARCHAR	20	NOT NULL	UNIQUE USER NAME OF ADMIN	
Admin_Login_Password	VARCHAR	20	NOT NULL	UNIQUE PASSWORD FOR ADMIN	
Admin_Name	VARCHAR	30	NOT NULL	NAME OF ADMIN	
Admin_Contact_No	INT	10	NOT NULL	CONTACT NUMBER OF ADMIN	
Admin_Email	VARCHAR	40	NOT NULL	EMAIL OF ADMIN	
Admin_Profile_Image	VARCHAR	50		URL OF ADMIN PROFILE IMAGE	



TONSORIUM DETAILS TABLE

TONSORIUM_DETAILS					
FIELD NAME	DATATYPE	FIELD LENGTH	CONSTRAINT	DESCRIPTION	
Tonsorium_ID	INT	5	PRIMARY KEY	UNIQUE TONSORIUM ID PROVIDED BY ADMIN	
Tonsorium_User_Name	VARCHAR	20	NOT NULL	UNIQUE USER NAME OF TONSORIUM OWNER	
Tonsorium_Login_Password	VARCHAR	20	NOT NULL	UNIQUE PASSWORD FOR TONSORIUM	
Tonsorium_Name	VARCHAR	30	NOT NULL	NAME OF TONSORIUM	
Tonsorium_Owner_Name	VARCHAR	30	NOT NULL	NAME OF TONSORIUM OWNER	
Tonsorium_Contact_No	INT	10	NOT NULL	CONTACT NUMBER OF TONSORIUM	
Tonsorium_Email	VARCHAR	40	NOT NULL	EMAIL OF TONSORIUM	
Tonsorium_Image	VARCHAR	50		URL OF IMAGES RELATED TO TONSORIUM	
Tonsorium_Address	VARCHAR	100	NOT NULL	FULL ADDRESS OF TONSORIUM	
City_ID	INT	3	FOREIGN KEY	UNIQUE ID OF CITY IN WHICH TONSORIUM IS LOCATED	



TONSORIUM STAFF DETAILS TABLE

TONSORIUM_STAFF_DETAILS				
FIELD NAME	DATATYPE	FIELD LENGTH	CONSTRAINT	DESCRIPTION
Tonsorium_Staff_ID	INT	2	PRIMARY KEY	UNIQUE STAFF ID PROVIDED BY TONSORIUM TO THEIR STAFF
Tonsorium_Staff_User_Name	VARCHAR	20	UNIQUE, NOT NULL	UNIQUE USER NAME OF TONSORIUM STAFF
Tonsorium_Staff_Login_Password	VARCHAR	20	NOT NULL	UNIQUE PASSWORD FOR TONSORIUM STAFF
Tonsorium_Staff_Name	VARCHAR	30	NOT NULL	TONSORIUM STAFF NAME
Tonsorium_Staff_DOB	DATE		NOT NULL	TONSORIUM STAFF DATE OF BIRTH
Tonsorium_Staff_Gender	INT	1	NOT NULL	TONSORIUM STAFF GENDER
Tonsorium_Staff_Contact_No	INT	10	NOT NULL	TONSORIUM STAFF CONTACT NUMBER
Tonsorium_Staff_Email	VARCHAR	40	NOT NULL	TONSORIUM STAFF EMAIL
Tonsorium_Staff_Profile_Image	VARCHAR	50		URL OF PROFILE PICTURE RELATED TO TONSORIUM STAFF
Tonsorium_Service_ID	INT	2	FOREIGN KEY	SERVICE ID IN WHICH TONSORIUM STAFF IS SPECIALIZED
Tonsorium_ID	INT	5	FOREIGN KEY	TONSORIUM ID TO WHICH STAFF IS ASSOCIATED



CUSTOMER DETAILS TABLE

CUSTOMER_DETAILS				
FIELD NAME	DATATYPE	FIELD LENGTH	CONSTRAINT	DESCRIPTION
Customer_ID	INT	5	PRIMARY KEY	UNIQUE CUSTOMER ID PROVIDED BY SYSTEM
Customer_User_Name	VARCHAR	20	NOT NULL	UNIQUE USER NAME OF CUSTOMER
Customer_Login_Password	VARCHAR	20	NOT NULL	UNIQUE PASSWORD FOR CUSTOMER TO LOGIN
Customer_Name	VARCHAR	30	NOT NULL	CUSTOMER NAME
Customer_DOB	DATE		NOT NULL	CUSTOMER DATE OF BIRTH
Customer_Gender	INT	1	NOT NULL	CUSTOMER GENDER
Customer_Contact_No	INT	10	NOT NULL	CUSTOMER CONTACT NUMBER
Customer_Email	VARCHAR	40	NOT NULL	CUSTOMER EMAIL
City_ID	INT	3	FOREIGN KEY	UNIQUE ID OF CUSTOMER CITY
Customer_Profile_Image	VARCHAR	50		URL OF PROFILE PICTURE OF CUSTOMER



SERVICE DETAILS TABLES

MASTER_SERVICE_DETAILS				
FIELD NAME	DATATYPE	FIELD LENGTH	CONSTRAINT	DESCRIPTION
Service_ID	INT	5	PRIMARY KEY	UNIQUE SERVICE ID PROVIDED BY ADMIN
Service_Name	VARCHAR	30	NOT NULL	NAME OF SERVICE
Service_Description	VARCHAR	250	NOT NULL	DESCRIPTION OF SERVICE

TONSORIUM_SERVICE_DETAILS				
FIELD NAME	DATATYPE	FIELD LENGTH	CONSTRAINT	DESCRIPTION
Tonsorium_Service_ID	INT	2	PRIMARY KEY	UNIQUE TONSORIUM SERVICE ID
Tonsorium_ID	INT	5	FOREIGN KEY	UNIQUE TONSORIUM ID
Service_ID	INT	2	FOREIGN KEY	UNIQUE SERVICE ID PROVIDED BY ADMIN
Service_Price	FLOAT	20	NOT NULL	PRICE OF SERVICE



APPOINTMENT DETAILS TABLE

APPOINTMENT_DETAILS					
FIELD NAME	DATATYPE	FIELD LENGTH	CONSTRAINT	DESCRIPTION	
Appointment_ID	INT	10	PRIMARY KEY	UNIQUE APPOINTMENT ID GENERATED BY SYSTEM	
Appointment_Booking_Date	DATE		NOT NULL	DATE AT WHICH APPOINTMENT WAS BOOKED	
Appointment_Date	DATE		NOT NULL	DATE AT WHICH APPOINTMENT WAS BOOKED FOR	
Appointment_Time	TIME		NOT NULL	TIME SLOT FOR WHICH APPOINTMENT IS BOOKED	
Customer_ID	INT	5	FOREIGN KEY	CUSTOMER ID WHO BOOKED APPOINTMENT	
Tonsorium_Staff_ID	INT	2	FOREIGN KEY	TONSORIUM STAFF ID OF PREFERRED STAFF OR AUTO ASSIGNED	
Tonsorium_Service_ID	INT	2	FOREIGN KEY	UNIQUE TONSORIUM SERVICE ID	



PAYMENT DETAILS

SUB-TABLES :

- CUSTOMER PAYMENT DETAILS TABLE
- TONSORIUM PAYMENT DETAILS TABLE
- REFUND DETAILS TABLE



CUSTOMER PAYMENT DETAILS TABLE

Customer_Payment_Details				
Field Name	Datatype	Field Length	Constraint	Description
Customer_Payment_ID	INT	10	PRIMARY KEY	UNIQUE PAYMENT ID GENERATED BY SYSTEM
Payment_Amount	FLOAT	20	NOT NULL	PAYMENT AMOUNT PAID BY CUSTOMER
Payment_DateTime	DATETIME		NOT NULL	DATE AND TIME AT WHICH PAYMENT WAS COMPLETED
Payment_Mode	VARCHAR	20	NOT NULL	MODE OF PAYMENT (UPI, NetBanking, Debit/Credit Card, Cash)
Payment_Status	VARCHAR	20	NOT NULL	STATUS OF PAYMENT FROM TIME INITIATED TILL COMPLETED
Transaction_ID	INT	20	NOT NULL	TRANSACTION ID GENERATED BY MODE OF PAYMENTS
Tonsorium_ID	INT	5	FOREIGN KEY	TONSORIUM ID THAT PROVIDED SERVICES
Appointment_ID	INT	10	FOREIGN_KEY	ID OF BOOKED APPOINTMENT



TONSORIUM PAYMENT DETAILS TABLE

TONSORIUM_PAYMENT_DETAILS					
FIELD NAME	DATA TYPE	FIELD LENGTH	CONSTRAINT	DESCRIPTION	
Tonsorium_Payment_ID	INT	10	PRIMARY KEY	UNIQUE PAYMENT ID GENERATED BY SYSTEM	
Payment_Amount	FLOAT	5	NOT NULL	PAYMENT AMOUNT PAID BY CUSTOMER	
Payment_DateTime	DATETIME		NOT NULL	DATE AND TIME AT WHICH PAYMENT WAS COMPLETED	
Payment_Mode	VARCHAR	20	NOT NULL	MODE OF PAYMENT (UPI, NetBanking, Debit/Credit Card, Cash)	
Payment_Status	VARCHAR	10	NOT NULL	STATUS OF PAYMENT FROM TIME INITIATED TILL COMPLETED	
Transaction_ID	INT	20	NOT NULL	TRANSACTION ID GENERATED BY MODE OF PAYMENTS	
Tonsorium_ID	INT	5	FOREIGN_KEY	TONSORIUM ID THAT PROVIDED SERVICES	
Appointment_ID	INT	10	FOREIGN_KEY	ID OF BOOKED APPOINTMENT	



REFUND DETAILS TABLE

REFUND_DETAILS					
FIELD NAME	DATATYPE	FIELD LENGTH	CONSTRAINT	DESCRIPTION	
Refund_ID	INT	5	PRIMARY KEY	UNIQUE REFUND ID GENERATED BY SYSTEM	
Refund_Status	VARCHAR	10	NOT NULL	STATUS OF REFUND FROM TIME INITIATED TILL COMPLETED	
Refund_DateTime	DATETIME		NOT NULL	DATE AND TIME AT WHICH REFUND WAS COMPLETED	
Refund_Amount	FLOAT	5	NOT NULL	REFUND AMOUNT	
Refund Description	VARCHAR	200	NOT NULL	DESCRIPTION ABOUT REFUND	
Transaction_ID	INT	20	NOT NULL	TRANSACTION ID GENERATED BY MODE OF PAYMENTS	
Tonsorium_ID	INT	5	FOREIGN KEY	UNIQUE TONSORIUM ID	
Appointment_ID	INT	10	FOREIGN KEY	APPOINTMENT ID FOR REFUND	



FEEDBACK DETAILS TABLE

FEEDBACK_DETAILS				
FIELD NAME	DATATYPE	FIELD LENGTH	CONSTRAINT	DESCRIPTION
Feedback_ID	INT	10	PRIMARY KEY	UNIQUE FEEDBACK ID GENERATED BY SYSTEM
Tonsorium_Staff_Feedback	VARCHAR	250		FEEDBACK GIVEN TO TONSORIUM STAFF BY CUSTOMER
Tonsorium_Staff_ID	INT	2	FOREIGN KEY	ID OF TONSORIUM STAFF TO WHOM FEEDBACK WAS GIVEN
Tonsorium_Rating	INT	1		RATING GIVEN TO TONSORIUM BY CUSTOMER
Tonsorium_ID	INT	5	FOREIGN KEY	ID OF TONSORIUM TO WHOM RATING WAS PROVIDED
Customer_ID	INT	5	FOREIGN KEY	ID OF CUSTOMER WHO PROVIDED FEEDBACK AND RATING



STATE AND CITY DETAILS TABLE

STATE_DETAILS				
FIELD NAME	DATATYPE	FIELD LENGTH	CONSTRAINT	DESCRIPTION
State_ID	INT	2	PRIMARY KEY	UNIQUE ID OF STATE
State_Name	VARCHAR	20	NOT NULL	NAME OF STATE

CITY_DETAILS				
FIELD NAME	DATATYPE	FIELD LENGTH	CONSTRAINT	DESCRIPTION
State_ID	INT	2	FOREIGN KEY	UNIQUE ID OF STATE
City_ID	INT	3	PRIMARY KEY	UNIQUE ID OF CITY
City_Name	VARCHAR	30	NOT NULL	NAME OF CITY





THANK YOU

