

Table Design

Table: users

No	Field Name	Datatype (Size)	Key Constraints	Description
1	id	int (11)	PRIMARY KEY	Auto-incremented user ID
2	name	varchar (100)	NOT NULL	Full name of user
3	email	varchar (100)	NOT NULL, UNIQUE	Email address of user
4	password	varchar (255)	NOT NULL	Hashed password
5	role	enum('admin','provider','customer')	NOT NULL	Role of the user
6	phone	varchar (20)	NOT NULL	Phone number
7	address	text	NOT NULL	Full address
8	city	varchar (100)	NOT NULL	City of user
9	state	varchar (100)	NOT NULL	State of user
10	pincode	varchar (20)	NOT NULL	Postal code
11	profile_image	varchar (255)	NULL	Optional profile photo
12	is_active	boolean	DEFAULT TRUE	User active status
13	created_at	timestamp	DEFAULT CURRENT_TIMESTAMP	Record creation time
14	updated_at	timestamp	AUTO ON UPDATE	Last update time

Table: service_categories

No	Field Name	Datatype (Size)	Key Constraints	Description of the Field
1	id	int (11)	PRIMARY KEY	Auto-incremented ID
2	name	varchar (50)	NOT NULL, UNIQUE	Name of service category
3	description	text	NULL	Brief description
4	icon	varchar (50)	NULL	Icon identifier

Table: services

No	Field Name	Datatype (Size)	Key Constraints	Description of the Field
1	id	int (11)	PRIMARY KEY	Auto-incremented ID
2	name	varchar (100)	NOT NULL	Name of service
3	category_id	int (11)	FOREIGN KEY	References service_categories(id)
4	description	text	NOT NULL	Details about the service
5	base_price	decimal(10, 2)	NOT NULL	Base price of the service
6	duration_minutes	int	NOT NULL	Estimated duration
7	image	varchar (255)	NULL	Optional image
8	created_at	timestamp	DEFAULT CURRENT_TIMESTAMP	Record created time

Table: service_images

No	Field Name	Datatype (Size)	Key Constraints	Description of the Field
1	id	int (11)	PRIMARY KEY	Auto-incremented ID
2	service_id	int (11)	FOREIGN KEY	References services(id)
3	image_url	varchar (255)	NOT NULL	Image path
4	created_at	timestamp	DEFAULT CURRENT_TIMESTAMP	Created time
5	updated_at	timestamp	DEFAULT CURRENT_TIMESTAMP ON UPDATE	Updated time

Table: providers

No	Field Name	Datatype (Size)	Key Constraints	Description of the Field
1	Id	int (11)	PRIMARY KEY	Auto-incremented provider ID
2	user_id	int (11)	UNIQUE, FOREIGN KEY	References users(id)
3	experience	varchar (50)	NOT NULL	Years or type of experience
4	location	varchar (255)	NULL	Working location
5	bio	text	NULL	Provider bio
6	id_proof	varchar (255)	NULL	Proof of ID image
7	is_verified	boolean	DEFAULT FALSE	Verification flag
8	verification_status	enum('pending', 'approved', 'rejected')	DEFAULT 'pending'	Verification status

9	availability	enum('available', 'unavailable')	DEFAULT 'available'	Current status
10	avg_rating	decimal(3,2)	DEFAULT 0.00	Average rating

Table: provider_services

No	Field Name	Datatype (Size)	Key Constraints	Description of the Field
1	Id	int (11)	PRIMARY KEY	Auto-incremented ID
2	provider_id	int (11)	FOREIGN KEY	References users(id)
3	service_id	int (11)	FOREIGN KEY	References services(id)
4	price	decimal(10,2)	NOT NULL	Provider-specific price
5	is_available	boolean	DEFAULT TRUE	Service availability

Table: bookings

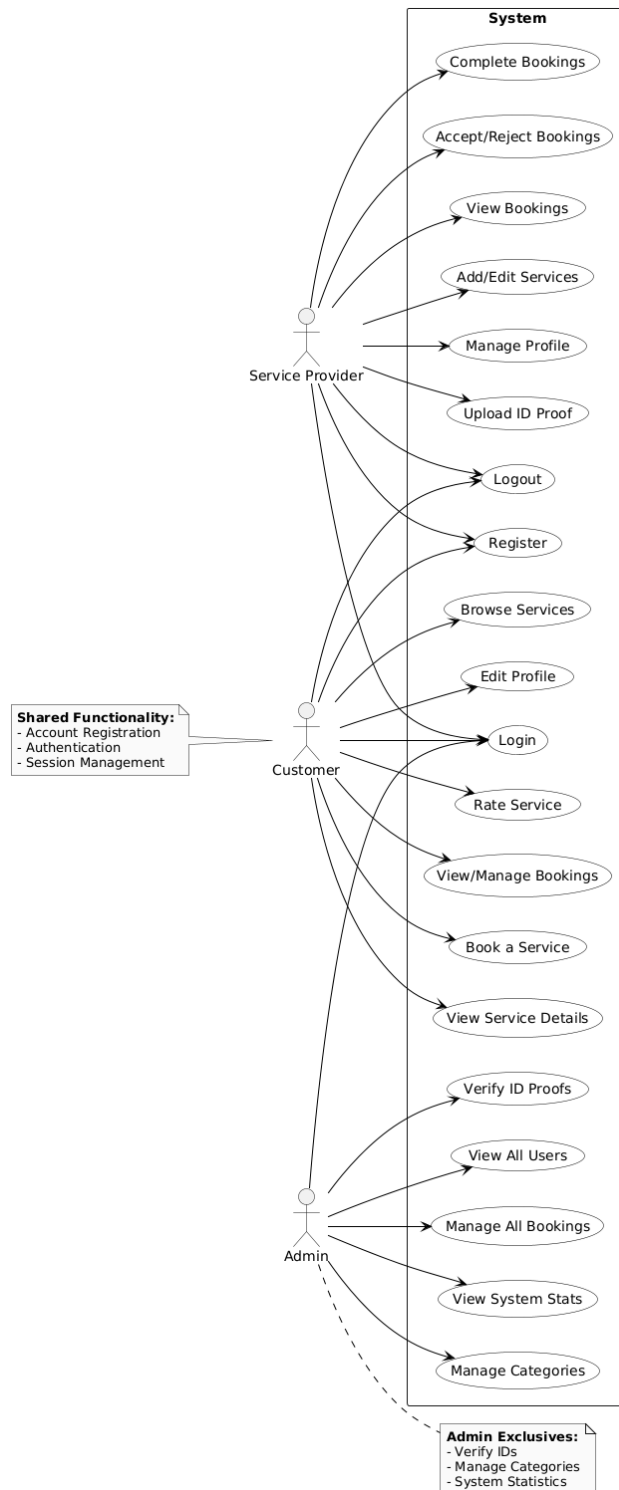
No	Field Name	Datatype (Size)	Key Constraints	Description of the Field
1	id	int (11)	PRIMARY KEY	Auto-incremented ID
2	user_id	int (11)	FOREIGN KEY	References users(id)
3	provider_id	int (11)	FOREIGN KEY	References users(id)
4	service_id	int (11)	FOREIGN KEY	References services(id)
5	booking_date	datetime	NOT NULL	Date and time of booking
6	address	text	NOT NULL	Booking address
7	amount	decimal(10,2)	NOT NULL	Total amount
8	status	enum('pending', 'confirmed', 'completed',	DEFAULT 'pending'	Booking status

		'cancelled', 'rejected')		
9	cancellation_reason	text	NULL	Reason if cancelled
10	payment_type	enum('cash', 'later')	DEFAULT 'cash'	Mode of payment
11	payment_status	enum('pending', 'paid','unpaid')	DEFAULT 'pending'	Payment status
12	admin_notes	text	NULL	Admin remarks
13	customer_notes	text	NULL	Customer message
14	provider_notes	text	NULL	Provider note
15	created_at	timestamp	DEFAULT CURRENT_TIMESTAMP	Created time

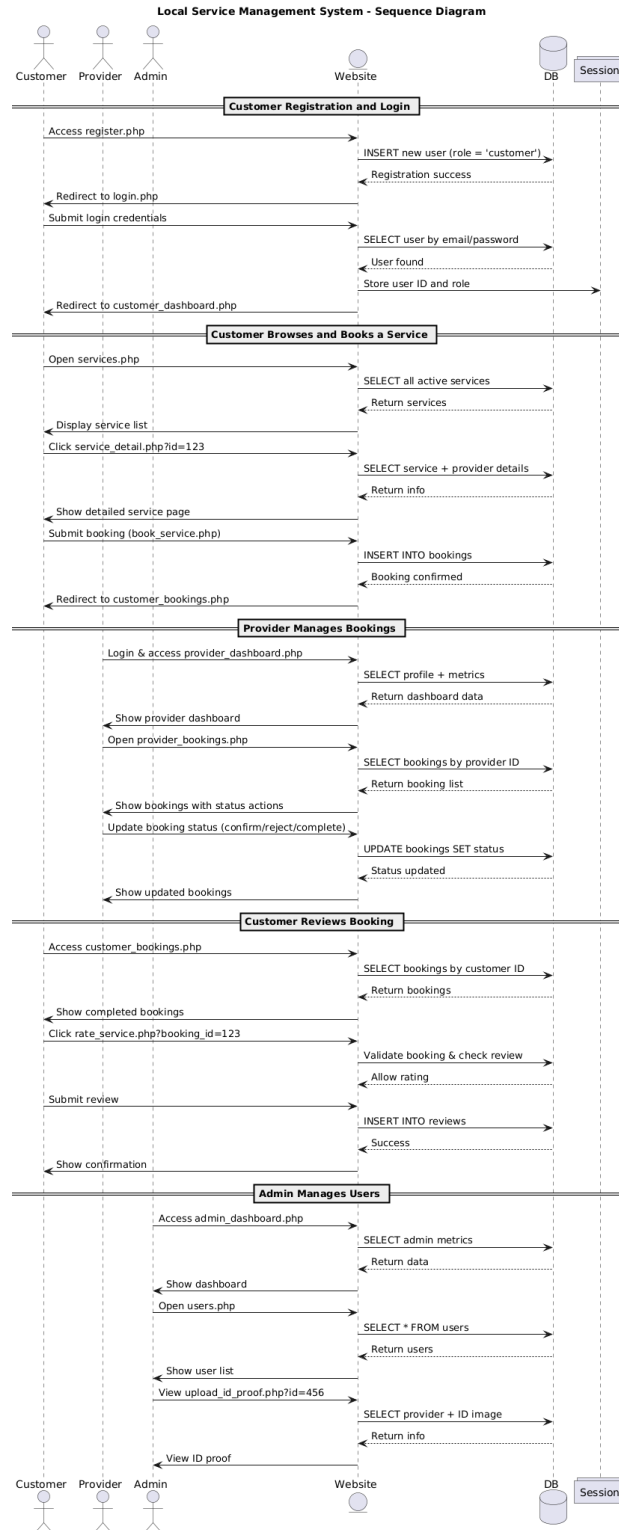
Table: reviews

No	Field Name	Datatype (Size)	Key Constraints	Description of the Field
1	id	int (11)	PRIMARY KEY	Auto-incremented ID
2	booking_id	int (11)	UNIQUE, FOREIGN KEY	References bookings(id)
3	user_id	int (11)	FOREIGN KEY	References users(id)
4	provider_id	int (11)	FOREIGN KEY	References users(id)
5	service_id	int (11)	FOREIGN KEY	References services(id)
6	rating	tinyint	NOT NULL	Rating between 1 to 5
7	comment	text	NULL	User feedback
8	created_at	timestamp	DEFAULT CURRENT_TIMESTAMP	Review time

Use Case Diagram

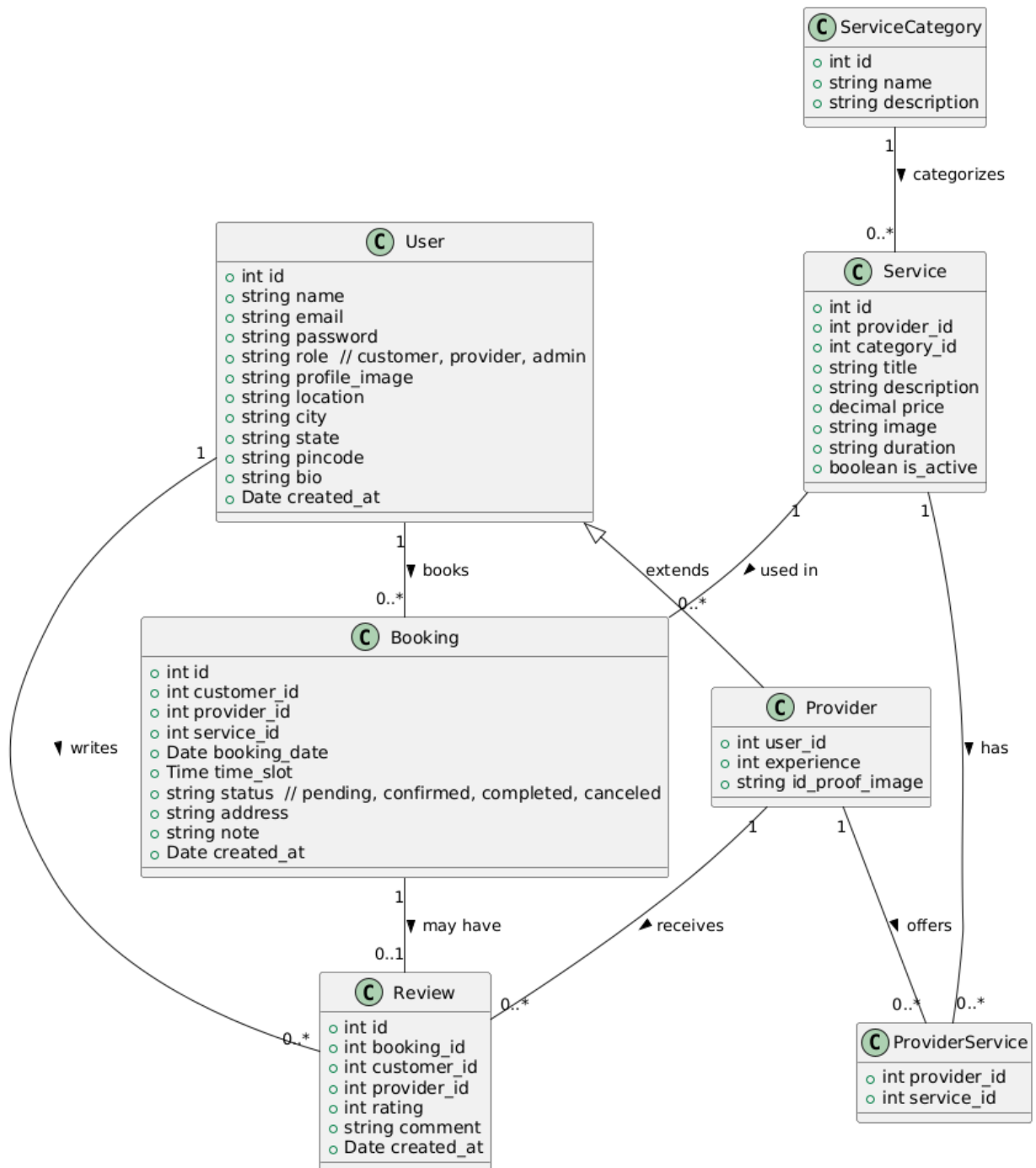


Sequence Diagram

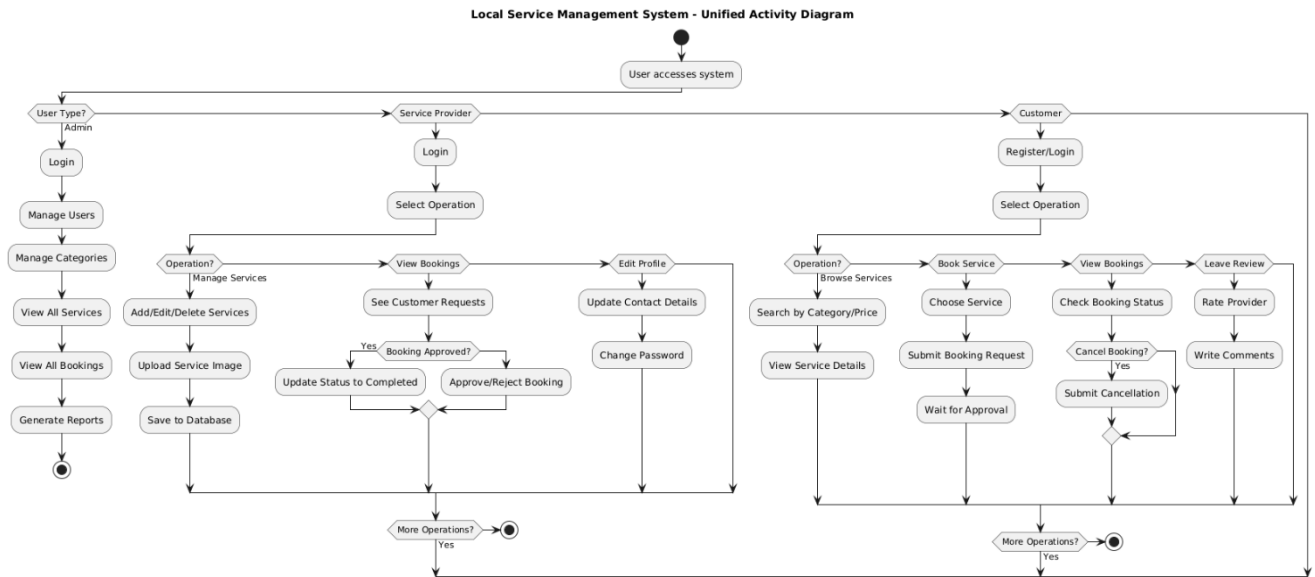


Class Diagram

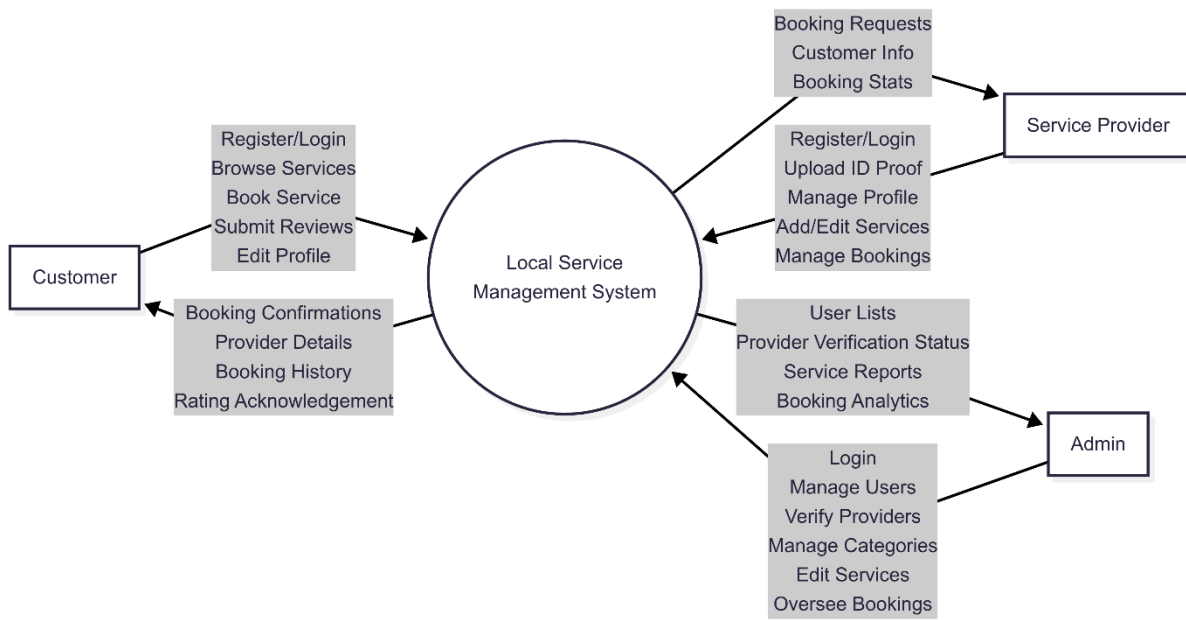
Local Service Management System - Class Diagram



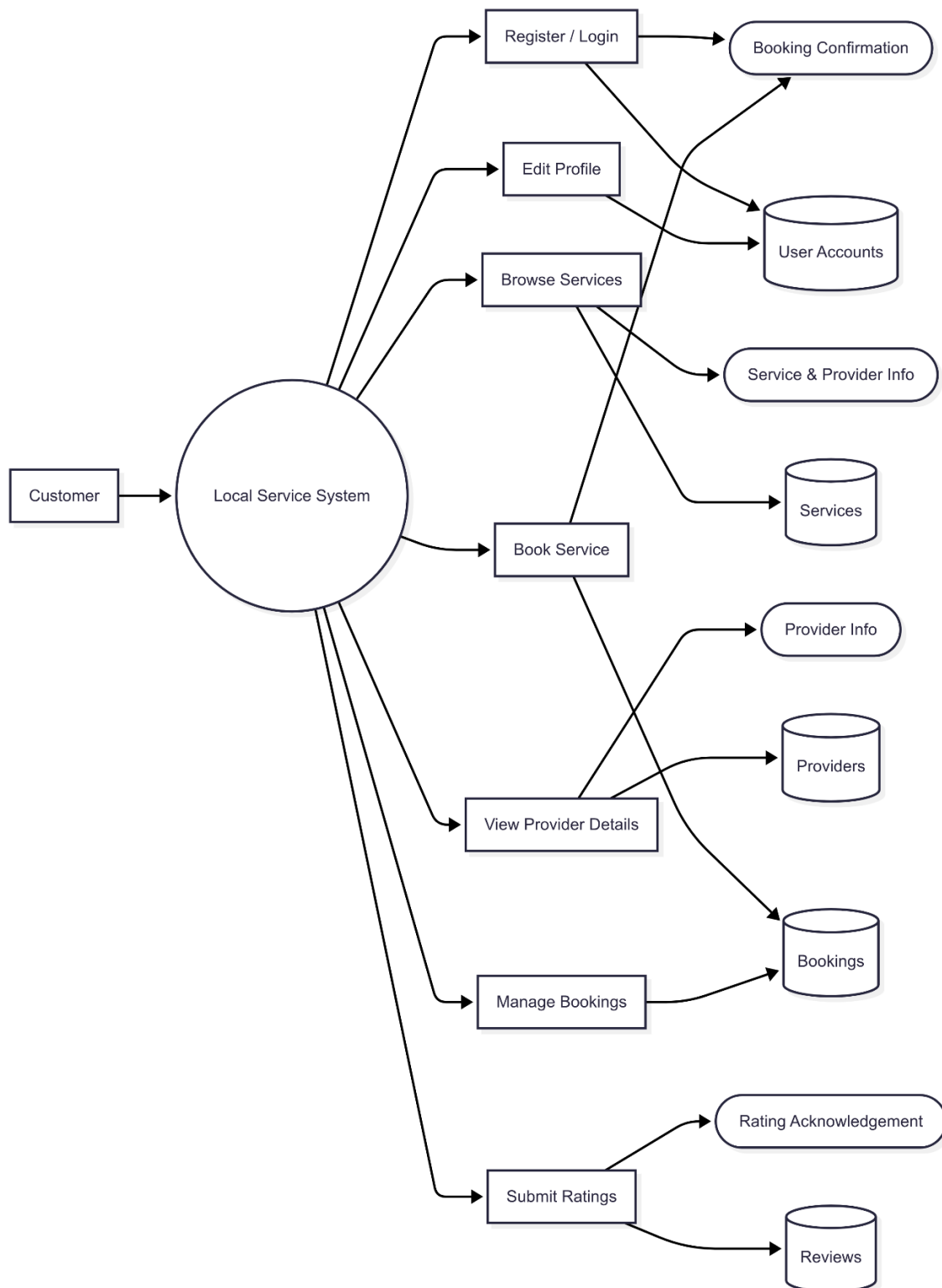
Activity Diagram



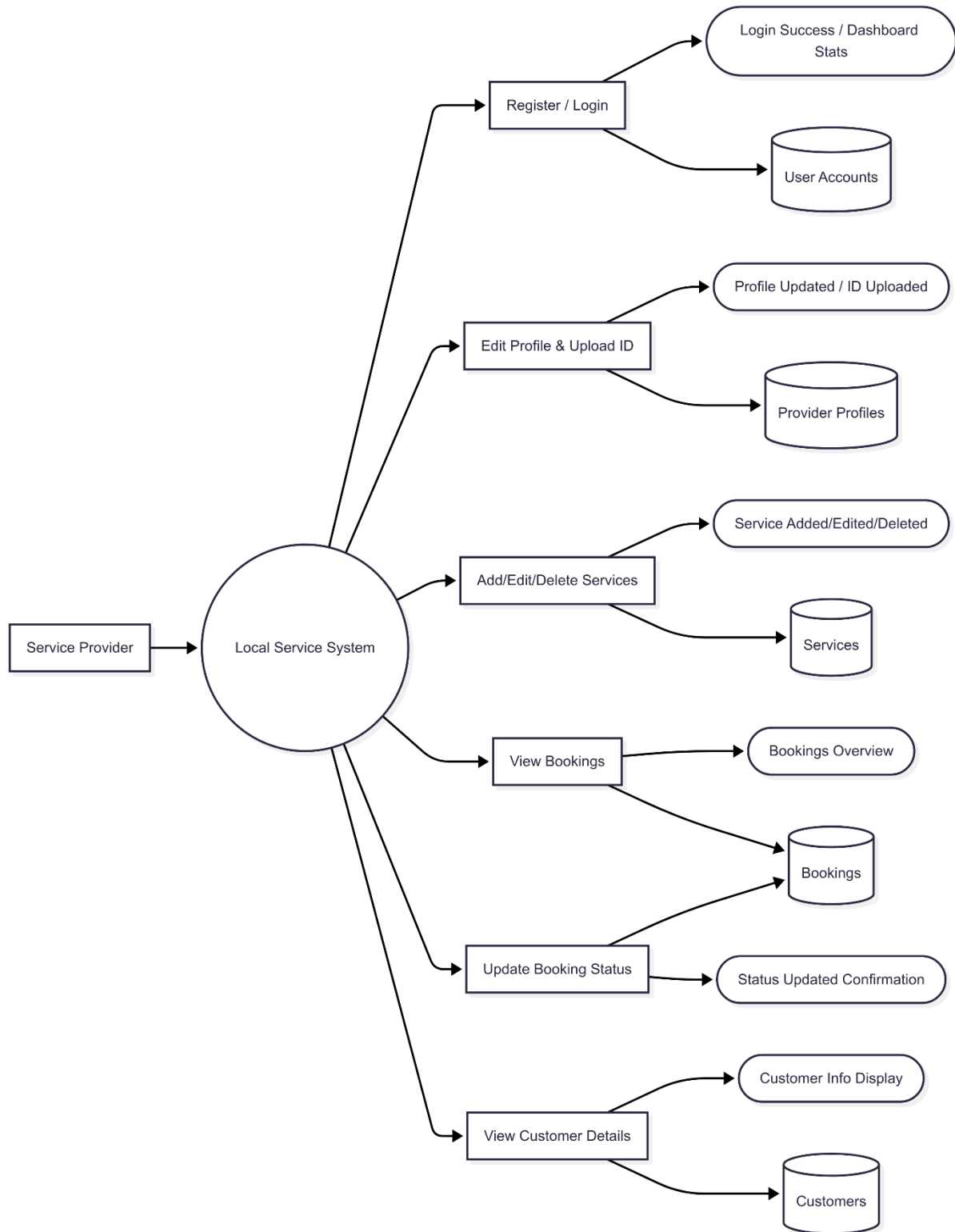
Level 0 DFD: Context Diagram



Level 1 DFD – Customer Module



Level 1 DFD– Provider Module



Level 1 DFD – Admin Module

