

SYSTEM DESIGN

2.1 SYSTEM ARCHITECTURE DESIGN:

2.1.1 ER Diagram :

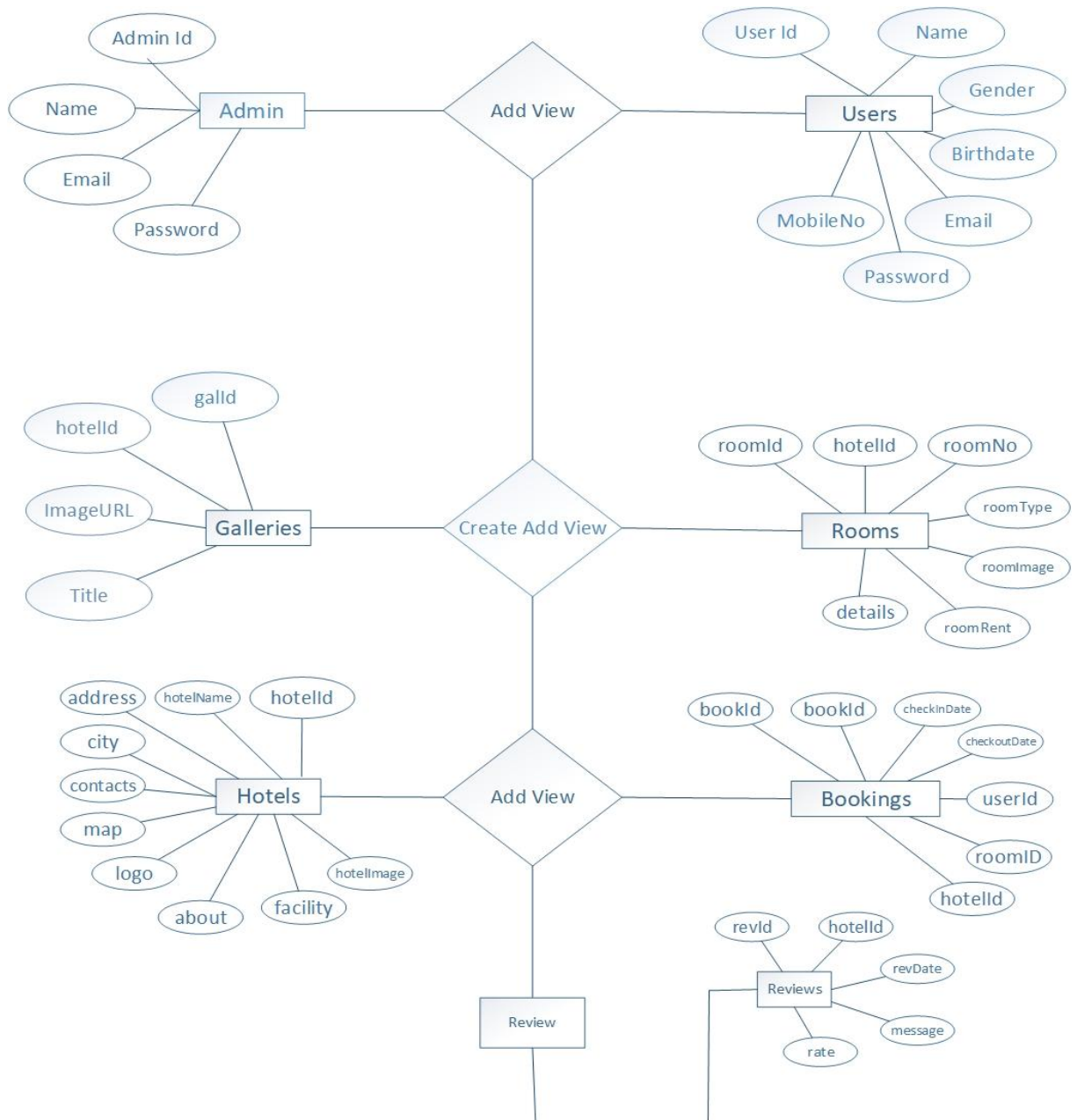


Figure 2.1: ER Diagram

2.1.2 Use case Diagram :

a) Admin :

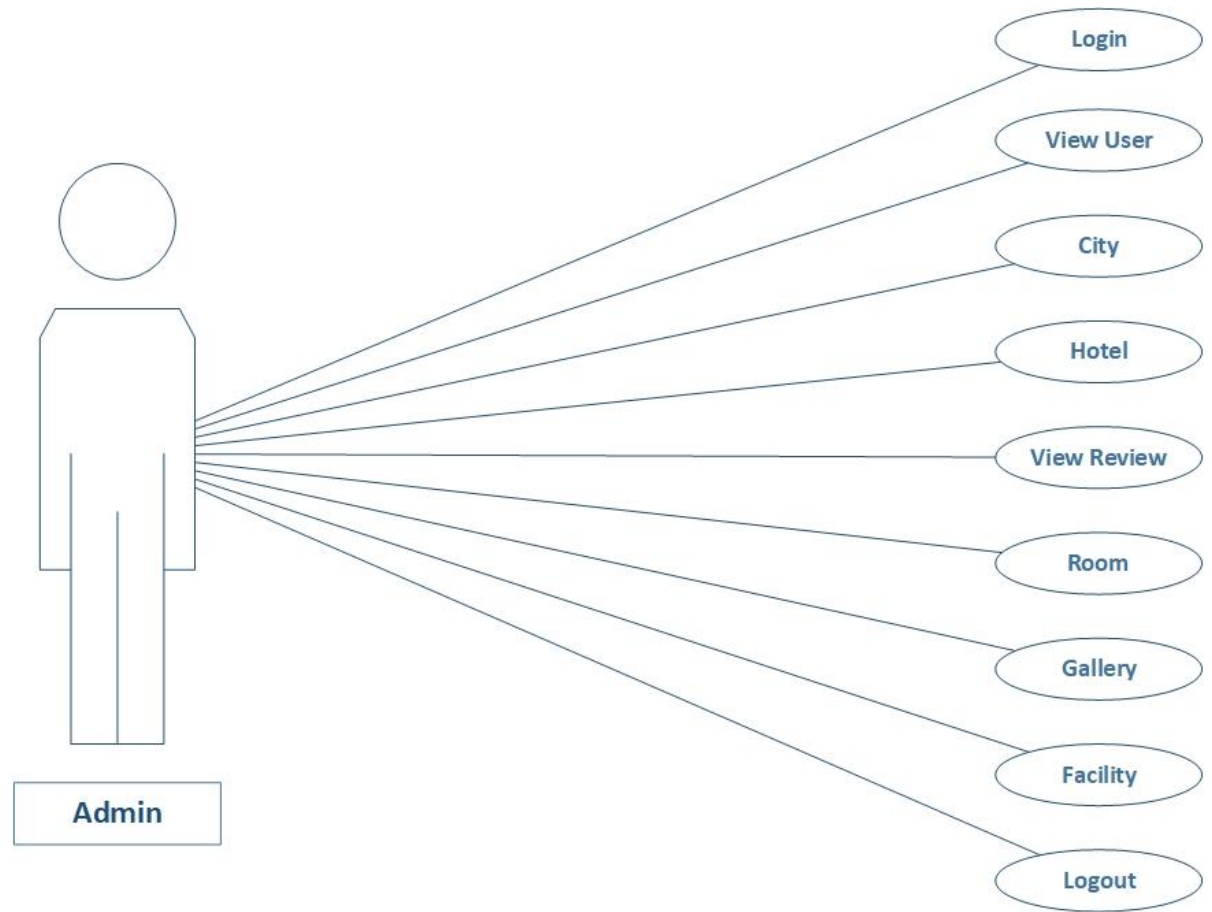


Figure 2.2: Use case Diagram for Admin

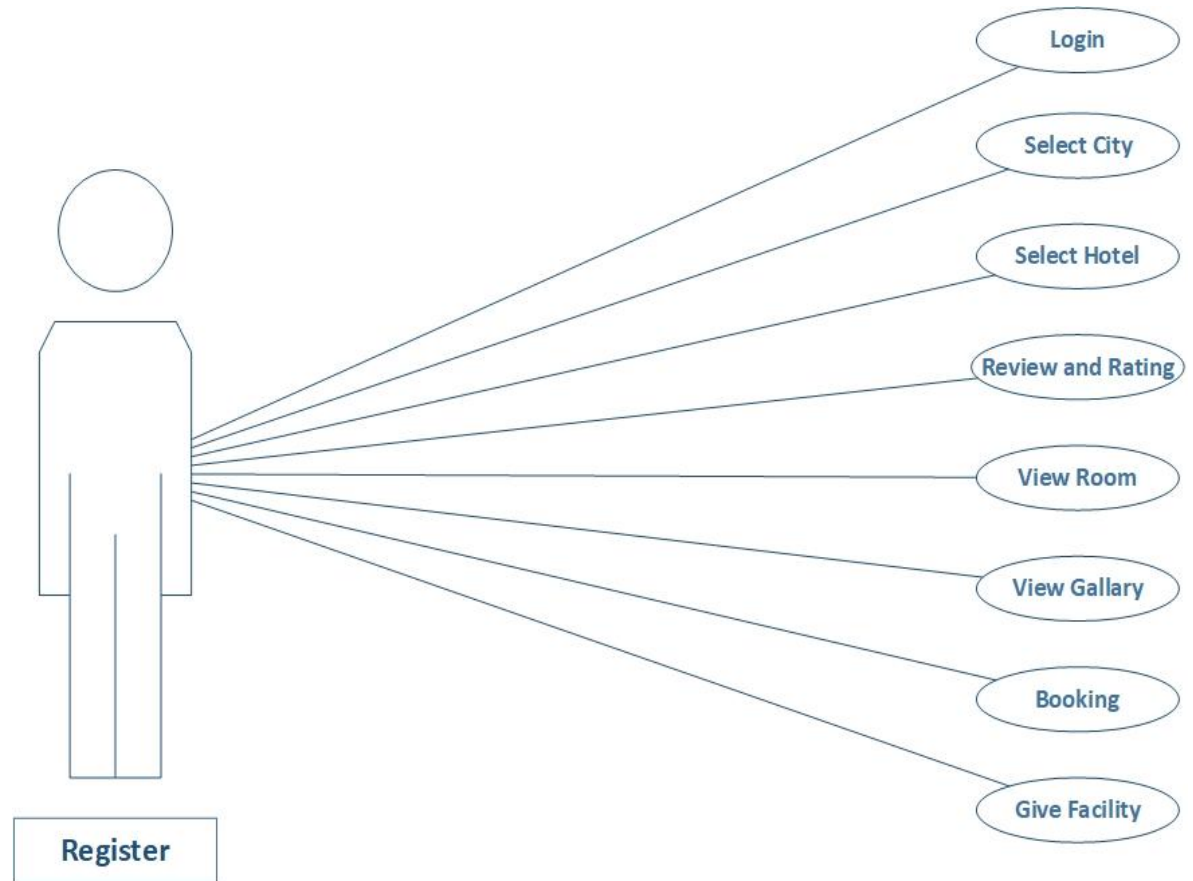
b) Register:

Figure 2.3: Use case Diagram for Register

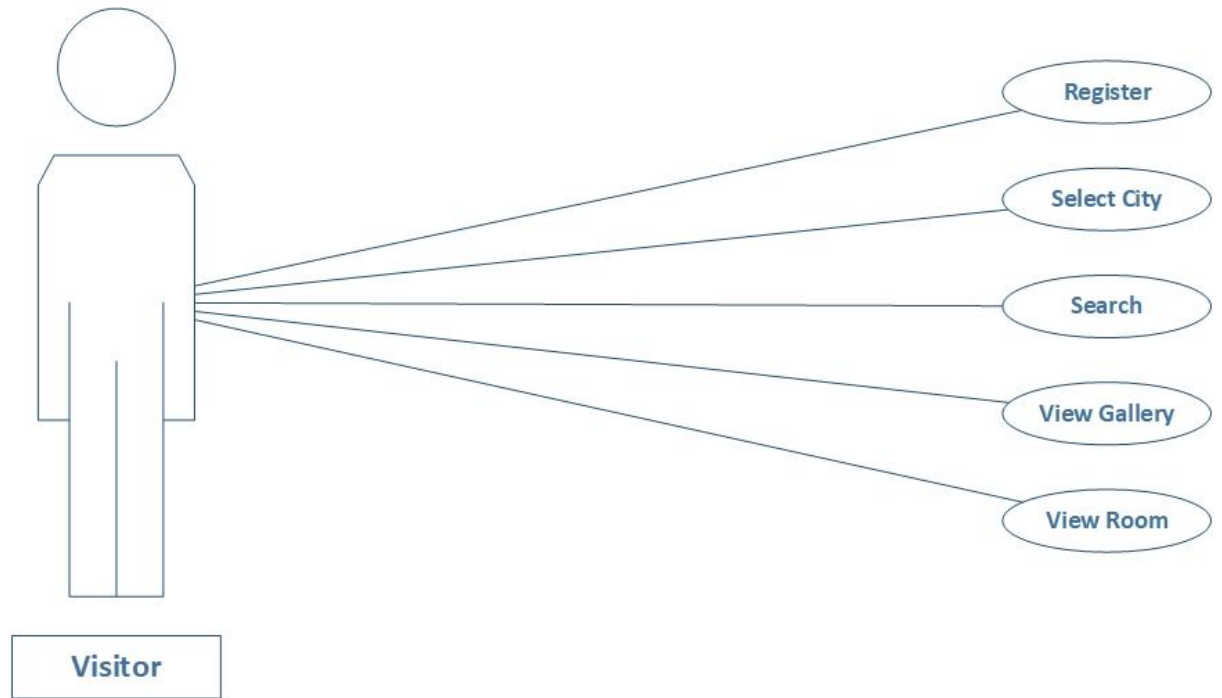
c) Visitor :

Figure 2.4: Use case Diagram for Visitor

2.1.3 Data Flow Diagram:

a) Context Diagram :

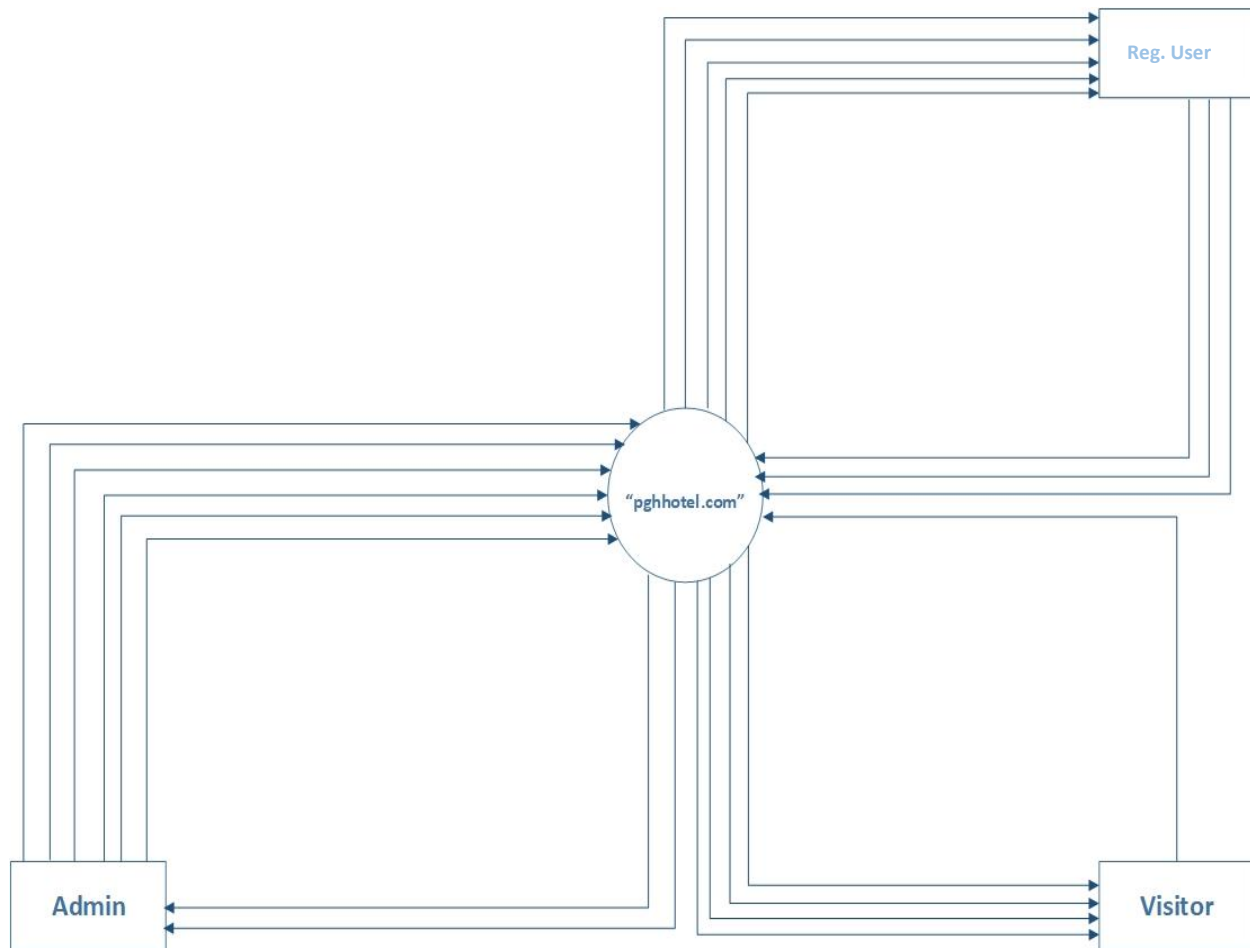


Figure 2.5: Context Diagram

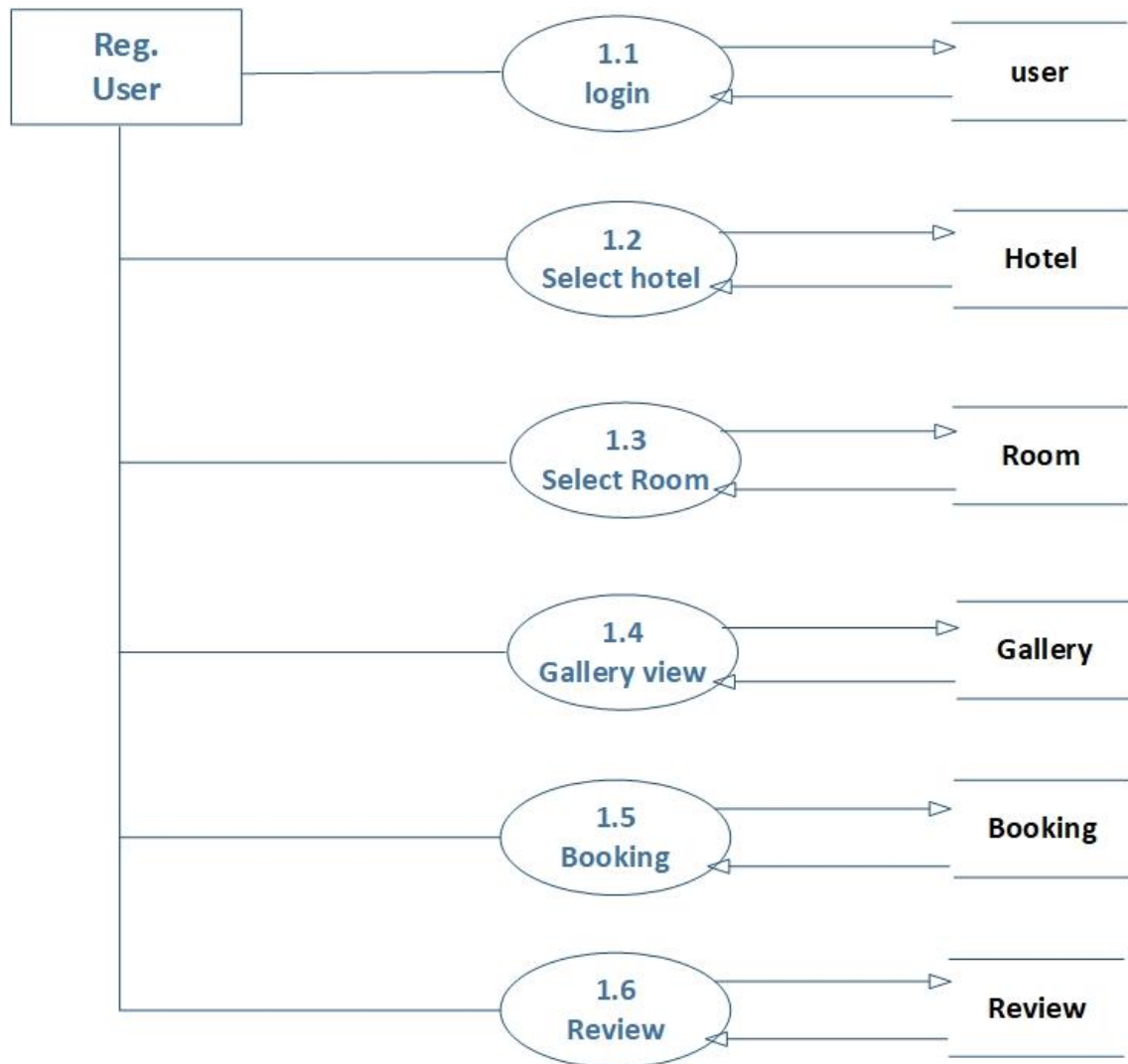
Level 1 Data Flow Diagram :**a) Register :**

Figure 2.6: 1 - Level Data Flow Diagram

2.1.4 Activity Diagram :

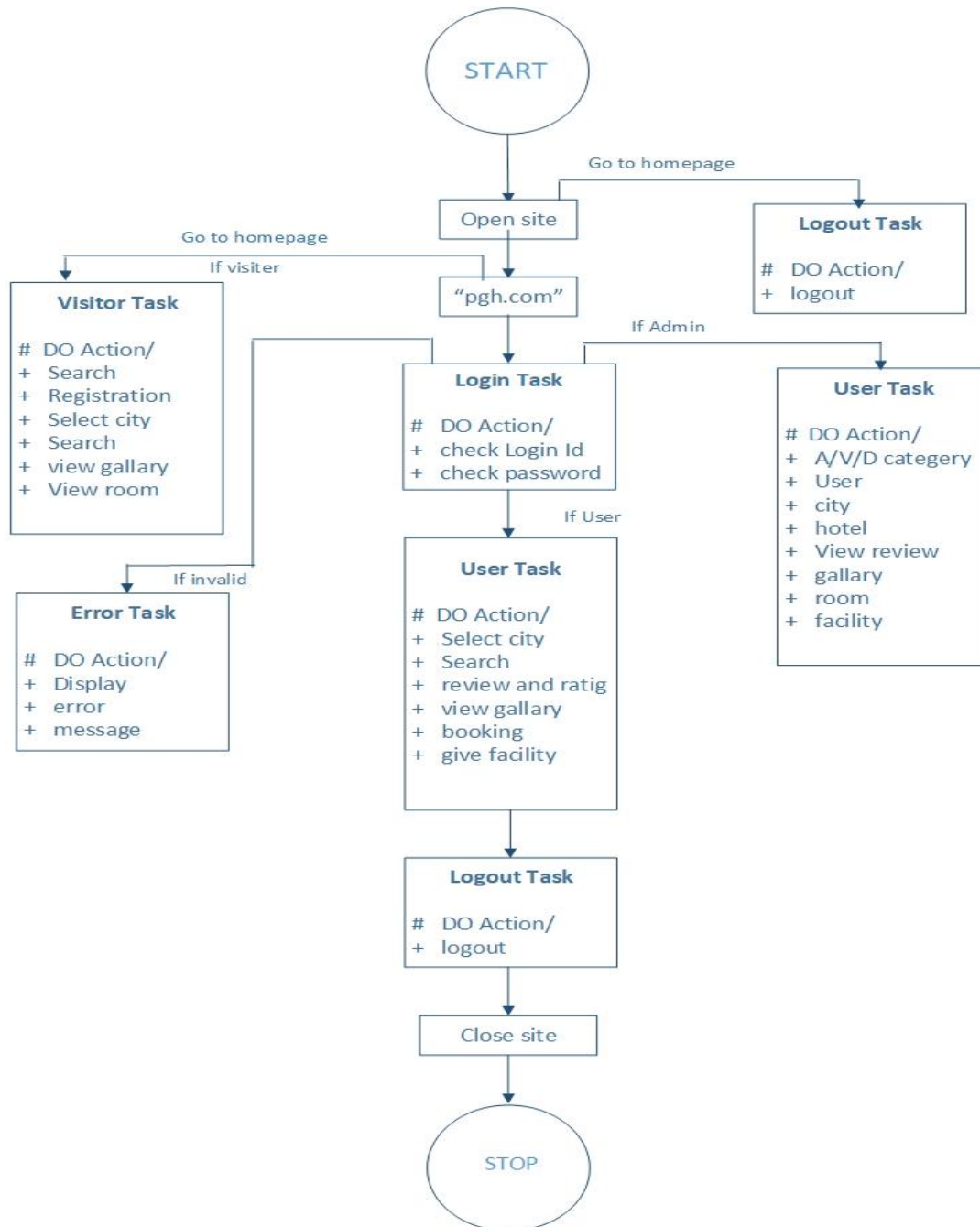


Figure 2.7: Activity Diagram

2.2 DATA DICTIONARY

Table Name: admins

Description: Store admin details

SR. No	FIELD NAME	DATA TYPE	SIZE	CONSTRAINT	DESCRIPTION
1	adminId	Int	5	Primary key	Id of admin
2	name	Text	50	Not null	Name of admin
3	emailId	Text	50	Unique key	Email of admin
4	password	Text	30	Not null	Password of admin

Table Name: galleries

Description: Store galleries details

SR. No	FIELD NAME	DATA TYPE	SIZE	CONSTRAINT	DESCRIPTION
1	gallId	Int	5	Primary key	Id of galleries
2	hotelId	Int	5	Reference key	Id of hotelId
3	imageURL	Text	50	Not null	image of galleries
4	title	Text	50	Not null	Title of galleries

Table Name: users

Description: Store users details

SR. No	FIELD NAME	DATA TYPE	SIZE	CONSTRAINT	DESCRIPTION
1	userId	Int	5	Primary key	Id of users
2	name	Text	50	Not null	Name of users
3	gender	Text	10	Not null	Gender of users
4	birthdate	Date	-	Not null	BirthDate of users
5	emailId	Text	50	Unique key	Email of users
6	password	Text	30	Not null	Password of users
7	mobileNo	Text	10	Unique key	MobileNo of users

Table Name: hotels

Description: Store hotels details

SR. No	FIELD NAME	DATA TYPE	SIZE	CONSTRAINT	DESCRIPTION
1	hotelId	Int	5	Primary key	Id of hotel
2	hotelName	Text	50	Not null	Name of hotel
3	Address	M. text	-	Not null	address of hotels
4	city	Text	50	Not null	City of hotels
5	contactNo	Text	10	Not null	Contact of hotel
6	map	Text	100	Not null	map of hotel
7	logo	Text	50	Not null	hotel's logo
8	about	M.text	-	Not null	About of hotel
9	facility	M.text	-	Not null	Facility of hotel
10	hotelImage	Text	100	Not null	Image of hotel

Table Name: rooms

Description: Store rooms details

SR. No	FIELD NAME	DATA TYPE	SIZE	CONSTRAINT	DESCRIPTION
1	roomId	Int	5	Primary key	Id of room
2	hotelId	Int	5	Reference key	Id of hotels
3	roomNo	Number	5	Not null	No of rooms
4	roomType	Text	50	Not null	Type of rooms
5	roomImage	Text	50	Not null	Image of rooms
6	roomRent	Int	5	Not null	Rent of rooms
7	details	M.Text	-	Not null	Details of rooms

Table Name: bookings

Description: Store bookings details

SR. No	FIELD NAME	DATA TYPE	SIZE	CONSTRAINT	DESCRIPTION
1	bookId	Int	5	Primary key	Id of booking
2	bookDate	Date	-	Not null	Date of bokings
3	checkinDate	Date	-	Not null	Date of checkin
4	checkoutDate	Date	-	Not null	Date of checkout
5	userId	Int	5	Reference key	Id of users
6	roomId	Int	5	Reference key	Id of rooms
7	hotelId	Int	5	Reference key	Id of hotels

Table Name: reviews

Description: Store reviews details

SR. No	FIELD NAME	DATA TYPE	SIZE	CONSTRAINT	DESCRIPTION
1	revId	Int	5	Primary key	Id of reviews
2	hotelId	Int	5	Reference key	Id of hotels
3	revDate	Date	-	Not null	Date of reviews
4	message	M.Text	-	Not null	Message of reviews
5	Rate	Int	5	Not null	Rate of Hotel and Rooms
6	userId	Int	5	Reference key	Id of users