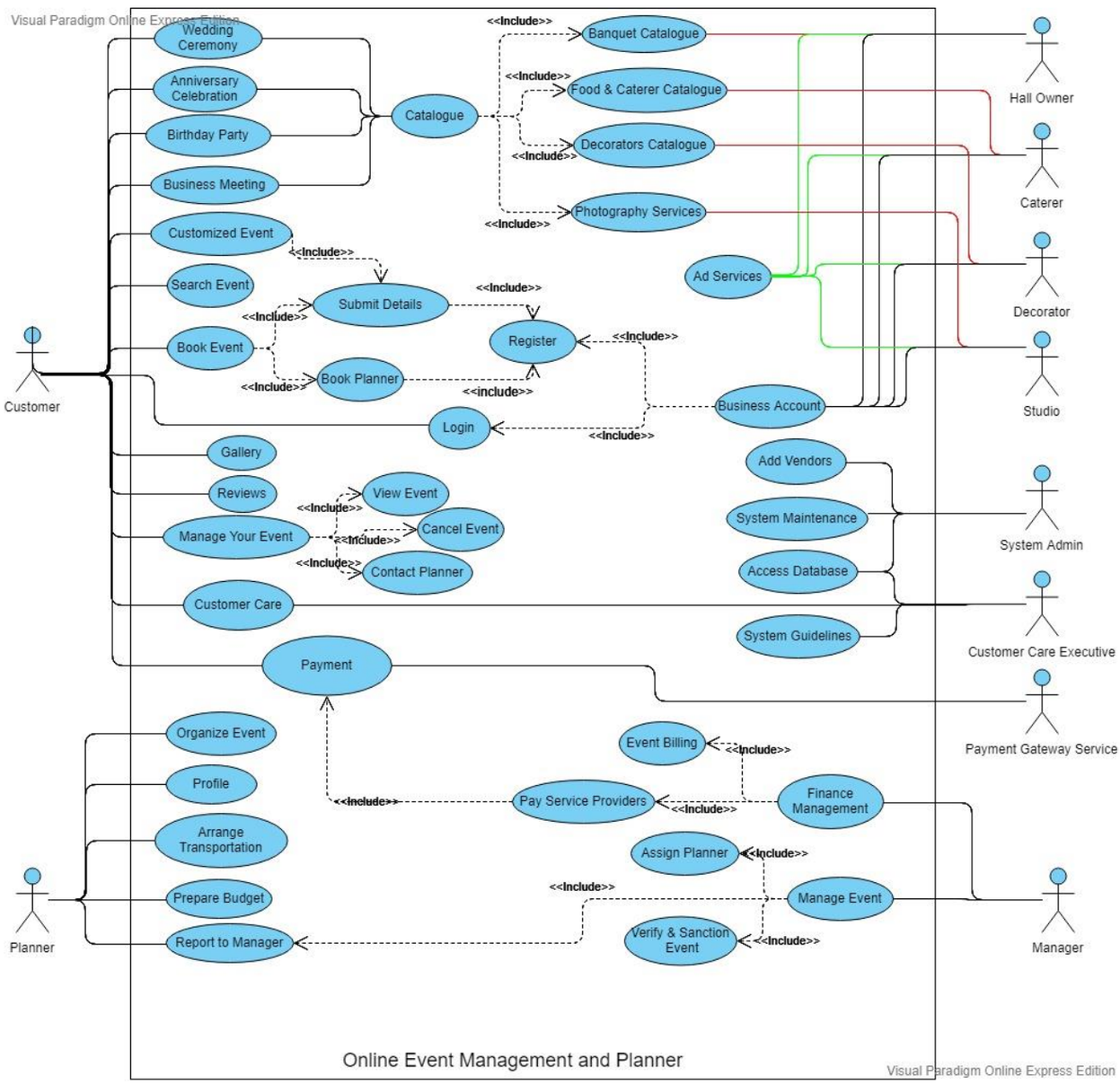
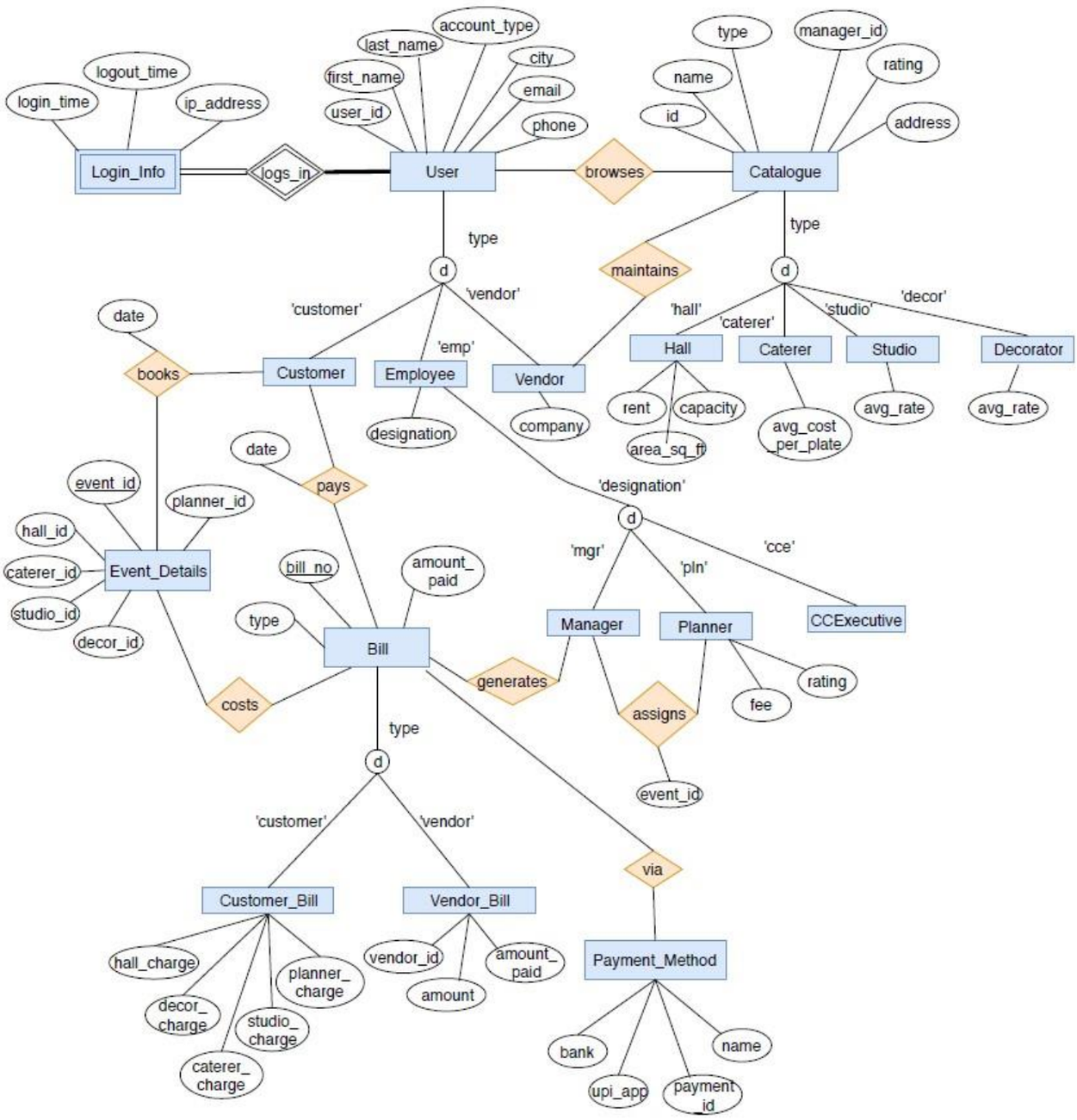
Use-Case Diagram –



ER Diagram –


account_type
last_name
city
logout_time
first_name
email
login_time
ip_address
user_id
phone
Login_Info
logs_in
User
browses
Catalogue
type
manager_id
rating
name
id
address
type
d
maintains
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type
'customer'
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'caterer'
'studio'
'decor'
date
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books
Customer
Employee
Vendor
Hall
Caterer
Studio
Decorator
rent
capacity
avg_rate
avg_rate
designation
company
area_sq_ft
avg_cost_per_plate
date
event_id
pays
'designation'
planner_id
d
hall_id
'mgr'
'cce'
caterer_id
Event_Details
bill_no
amount_paid
'pln'
studio_id
type
Bill
Manager
Planner
CCExecutive
decor_id
generates
rating
costs
assigns
fee
type
d
event_id
'customer'
'vendor'
via
Customer_Bill
Vendor_Bill
hall_charge
vendor_id
amount_paid
Payment_Method
planner_charge
decor_charge
amount
studio_charge
bank
name
caterer_charge
upi_app
payment_id

Data Dictionary:

1. User_Info –

Field Name	Data Type	Primary Key	Null-able	Auto-increment	Description
user_id	integer	yes	no	yes	unique ID for each user
account_type	integer	no	no	no	unique ID for a particular account type
first_name	varchar	no	no	no	first name of the user
last_name	varchar	no	no	no	last name of the user
city	varchar	no	yes	no	city where the user resides
email	varchar	no	no	no	email ID of the user
phone	varchar	no	yes	no	phone number of the user

2. Account_Type –

Field Name	Data Type	Primary Key	Null-able	Auto-increment	Description
type_id	integer	yes	no	yes	unique ID for a particular account type
type_name	varchar	no	no	no	account type (customer/vendor/employee)

3. Login_Info –

Field Name	Data Type	Primary Key	Null-able	Auto-increment	Description
user_id	integer	yes	no	no	unique ID of the user who registered
login_time	time-date	yes	no	no	date and time of login
logout_time	time-date	no	yes	no	date and time of logout
ip_address	varchar	yes	no	no	IP address of the user

4. Hall –

Field Name	Data Type	Primary Key	Null-able	Auto-increment	Description
hall_id	integer	yes	no	yes	unique ID of the hall
name	varchar	no	no	no	name of the hall
location	varchar	no	no	no	location of the hall
area_sq_ft	float	no	no	no	area of the hall
capacity	integer	no	no	no	no. of heads that can be accomodated
manager_id	integer	no	no	no	unique ID of the manager of the hall
rent	float	no	yes	no	average rate of booking the hall
rating	float	no	yes	no	rating of the planner

5. Caterer –

Field Name	Data Type	Primary Key	Null-able	Auto-increment	Description
caterer_id	integer	yes	no	yes	unique ID of the caterer
name	varchar	no	no	no	name of the caterer
office_address	varchar	no	no	no	address of the office
manager_id	integer	no	no	no	unique ID of the manager of the catering service
cost_per_plate	float	no	yes	no	average rate of booking the service
rating	float	no	yes	no	rating of the planner

6. Decorator –

Field Name	Data Type	Primary Key	Null-able	Auto-increment	Description
decorator_id	integer	yes	no	yes	unique ID of the decoration sevice
name	varchar	no	no	no	name of the decoration service
office_address	varchar	no	no	no	address of the office
manager_id	integer	no	no	no	unique ID of the manager of the decoration service
average_rate	float	no	yes	no	average rate of booking the service
rating	float	no	yes	no	rating of the planner

7. Studio –

Field Name	Data Type	Primary Key	Null-able	Auto-increment	Description
studio_id	integer	yes	no	yes	unique ID of the photography sevice
name	varchar	no	no	no	name of the studio
studio_address	varchar	no	no	no	address of the studio
manager_id	integer	no	no	no	unique ID of the manager of the photography service
average_rate	float	no	yes	no	average rate of booking the service
rating	float	no	yes	no	rating of the planner

8. Event_Details –

Field Name	Data Type	Primary Key	Null-able	Auto-increment	Description
event_id	integer	yes	no	yes	unique ID of each event
customer_id	integer	no	no	no	unique ID of the customer who booked the event
date	date	no	no	no	date of the event
hall_id	integer	no	yes	no	hall booked for the event (if any)
caterer_id	integer	no	yes	no	caterer booked for the event (if any)
studio_id	integer	no	yes	no	photography service booked for the event (if any)
decor_id	integer	no	yes	no	decorators booked for the event (if any)
planner_id	integer	no	yes	no	planner booked for the event (if any)

9. Planning_Event –

Field Name	Data Type	Primary Key	Null-able	Auto-increment	Description
event_id	integer	yes	no	no	unique ID of the event to be planned
planner_id	integer	yes	no	no	unique ID of the planner
manager_id	integer	yes	no	no	unique ID of the manager

10. Customer_Billing –

Field Name	Data Type	Primary Key	Null-able	Auto-increment	Description
bill_no	integer	yes	no	yes	unique ID of each bill
event_id	integer	no	no	no	unique ID of the event
hall_charge	float	no	yes	no	rate of the hall booked for the event
caterer_charge	float	no	yes	no	rate of the caterer booked for the event
studio_charge	float	no	yes	no	rate of the photography service booked for the event
decor_charge	float	no	yes	no	rate of the decoration service booked for the event
planner_fee	float	no	yes	no	fee of the planner
total_charge	float	no	no	no	total amount to be paid
paid_amount	float	no	yes	no	amount already paid by the customer
latest_payment_date	date	no	yes	no	latest payment date
amount_due	float	no	yes	no	amount due to be paid
mode_of_payment	integer	no	yes	no	unique ID corresponding to the online payment method

11. Vendor_Billing –

Field Name	Data Type	Primary Key	Null-able	Auto-increment	Description
event_id	integer	yes	no	no	unique ID of the event
vendor_id	integer	yes	no	no	unique user ID of the vendor
amount	float	no	no	no	amount to be paid to the vendor
paid_amount	float	no	no	no	amount already paid
latest_payment_date	date	no	yes	no	latest payment date
amount_due	float	no	yes	no	amount due to be paid
mode_of_payment	integer	no	yes	no	unique ID corresponding to the online payment method

12. Payment_Method –

Field Name	Data Type	Primary Key	Null-able	Auto-increment	Description
payment_id	integer	yes	no	yes	unique ID of the payment method
name	varchar	no	no	no	Online payment method (net banking/credit card/debit card/UPI)
bank	varchar	no	yes	no	name of the bank
upi_app	varchar	no	yes	no	name of the UPI payment app