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① Suppose you have been given the responsibility to organize a Techfest in your department. Identify the task and construct the schedule including dependencies. Also draw the network activity diagram.

② Draw class diagram of hotel and restaurant management management system. Also write necessary assumptions.

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Code : ~~ESC - software~~

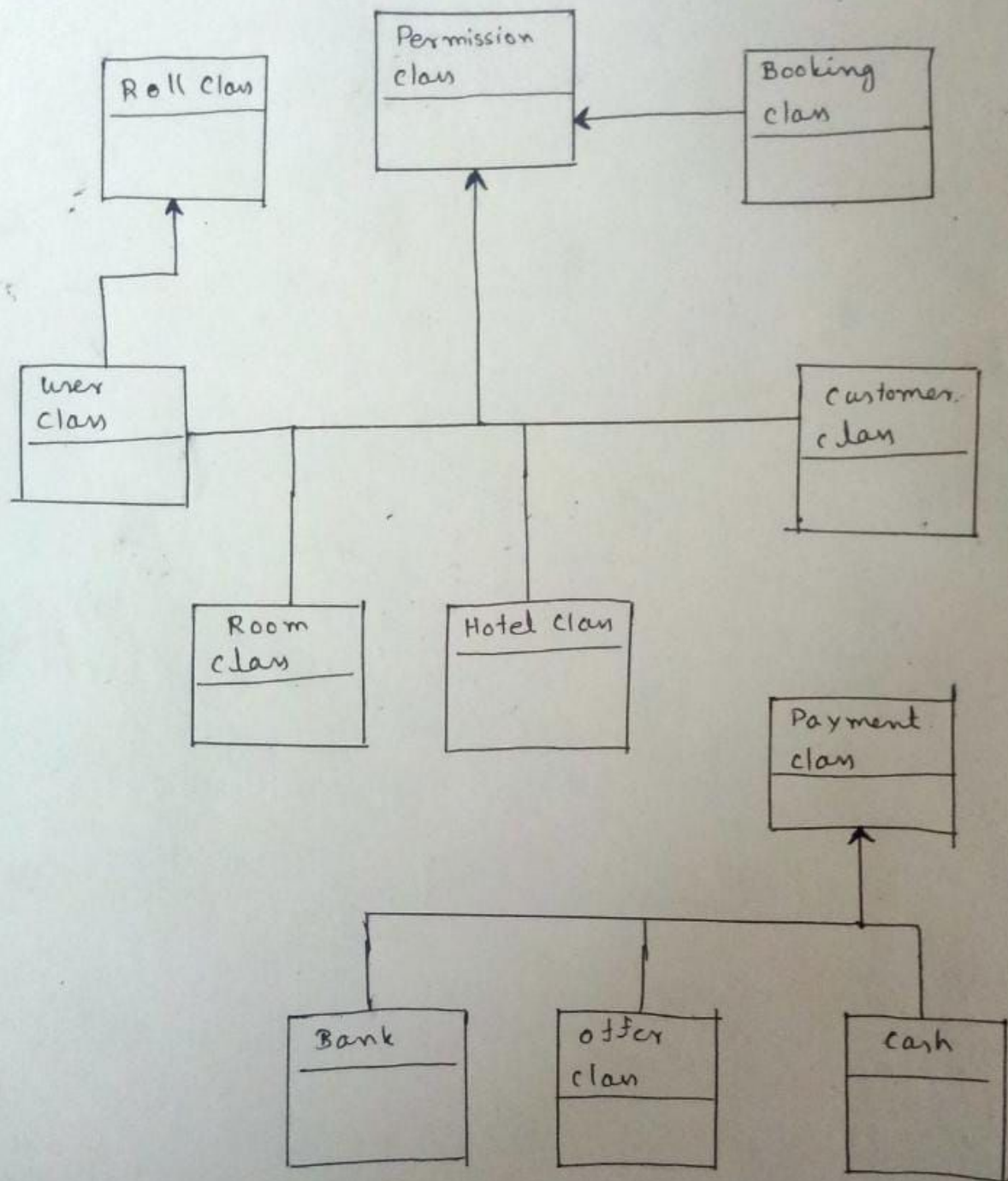
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B) This is the Activity UML diagram of hotel and Restaurant management system. classes, their attributes, operations (or methods) and the relationship among objects.

class of hotel Management System class Diagram:

- Hotel class
- Rooms class
- Booking class
- user class
- Customer class
- Payment class : Bank
other card
cash

Class Diagram of Hotel and Restaurant Management System:



a)

Task Name Duration

a) Organization of Tech fest Project

	Task Name	Duration	start	Finish	Pre dece or
			3/3/21	5/3/21	2
1	Planning	3 days	8/3/21	8/3/21	1
2	Notice	1 day	9/3/21	15/3/21	2
3	Fund collection	5 days	16/3/21	17/3/21	3
4	meeting	2 days	18/3/21	23/3/21	4
5	Scheduling	4 days	18/3/21	19/3/21	4
6	Decorating	2 days	24/3/21	24/3/21	5
7	Drone event	1 day	24/3/21	24/3/21	5
8	Coding event	1 day	24/3/21	24/3/21	5
9	quiz event	1 day	24/3/21	24/3/21	5
10	Robotix event	1 day	24/3/21	24/3/21	5
11	cultural event	1 day	24/3/21	24/3/21	5
12	conclusion	1 day	24/3/21	24/3/21	5
13	Returning order item	2 days	22/3/21	23/3/21	6
14	Evaluation of cost	3 days	25/3/21	29/3/21	7