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Roll NO - 16900218057 (IT)
Paper Name- ESC-591
Paper code- Software Engineering Lab Exam

Q- → A. Suppose you have been given the responsibility to organise a teacher's day program in your department. Identify the tasks and construct the schedule include dependencies Also draw network activity diagram.

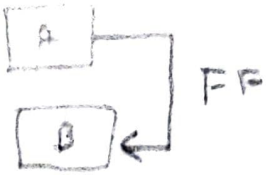
=>

Network-diagram :- that shows the sequential relationships of activities using Arrows & Nodes.
It is necessary for Identification of project critical path.

Different type of dependencies

1) Finish to Start (FS)
   ↳ A FS B means "A must finish before B can begin"

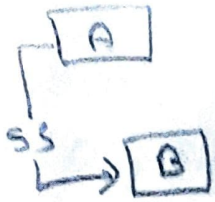
2) Finish to Finish (FF)
   ↳ A FF B means "activity A must finish before activity B can finish.



3. Start to start

↳ A SS B means "activity A must start before can start".

↳



4→ Start to finish

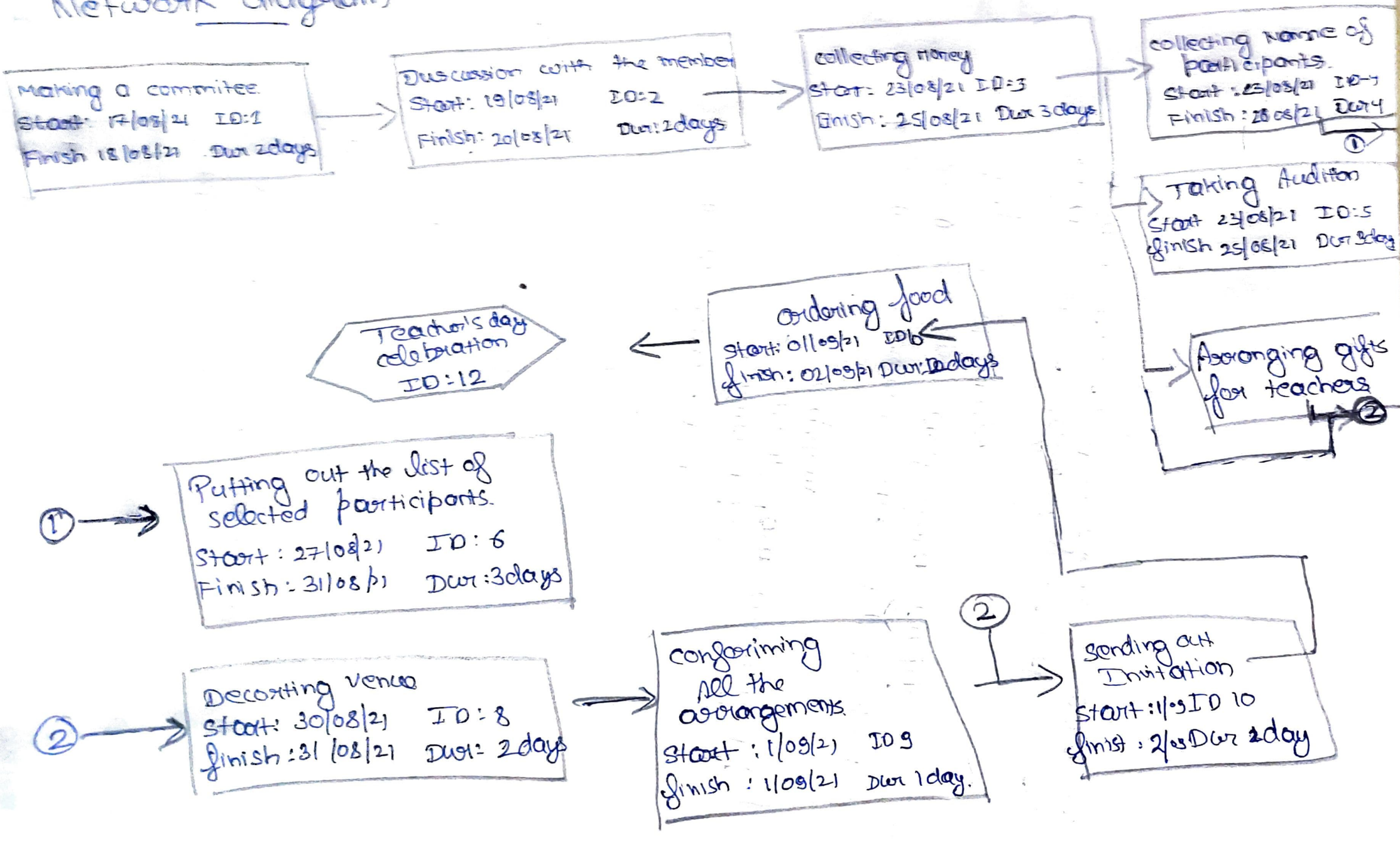
↳ A SF B means "activity A must start before activity B finishes".

↳

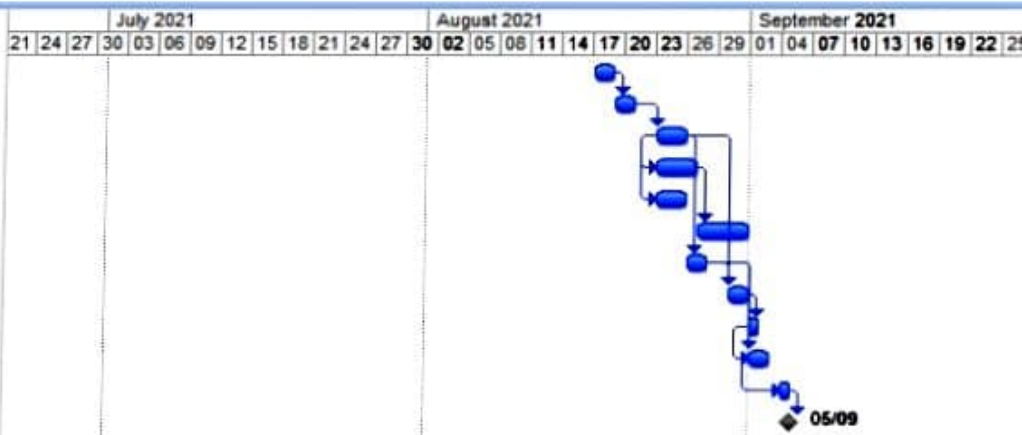
Grantt chart

	Task Name	Duration	Start	Finish	Predecessor
1.	Making a commitee	2 days	Tue 17/08/21	Wed 18/08/21	
2.	Discussion with members	2 days	Thu 19/08/21	Fri 20/08/21	1
3.	collecting Money	3 days	Mon 23/08/21	Wed 25/08/21	2
4.	collecting Name of participants	4 days	Mon 23/08/21	Thu 26/08/21	3 SS
5.	Taking Audition	3 days	Mon 23/08/21	Wed 25/08/21	3 SS
6.	Putting out the list of selected participants	3 days	Fri 27/08/21	Tue 31/08/21	4
7.	Arranging gift for teachers	2 days	Thu 26/08/21	Fri 27/08/21	3
8.	Decorating Venue.	2 days	Mon 30/08/21	Tue 31/08/21	7, 3
9.	conforming the cooking menus	1 day	Wed 01/09/21	Wed 01/09/21	~~8~~ 8
10	sending out Invitation	2 days	Wed 01/09/21	Thu 04/09/21	8 SS, 7
11	Ordering food	4 day	sat 04/09/21	sat 04/09/21	10 SS,
12	Teaches day.	0 day	sun 5/09/21	sun 05/09/21	11

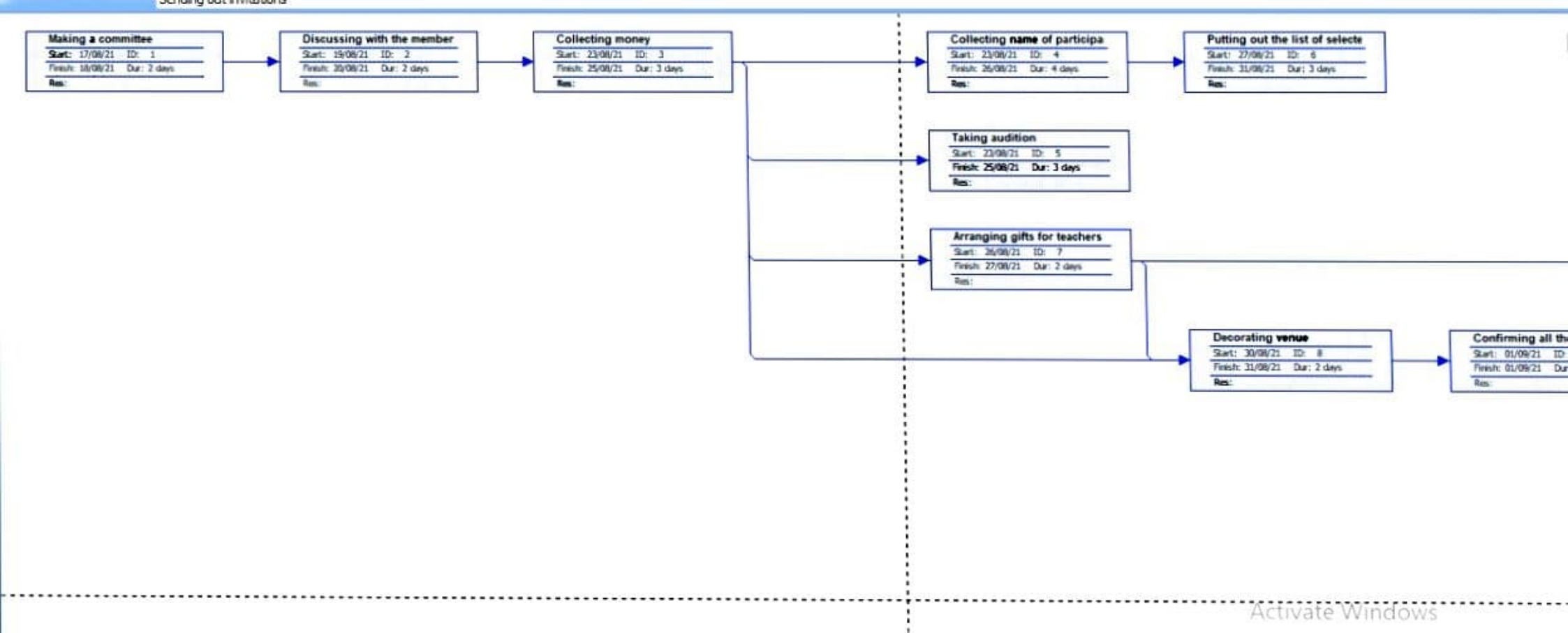
Network diagram



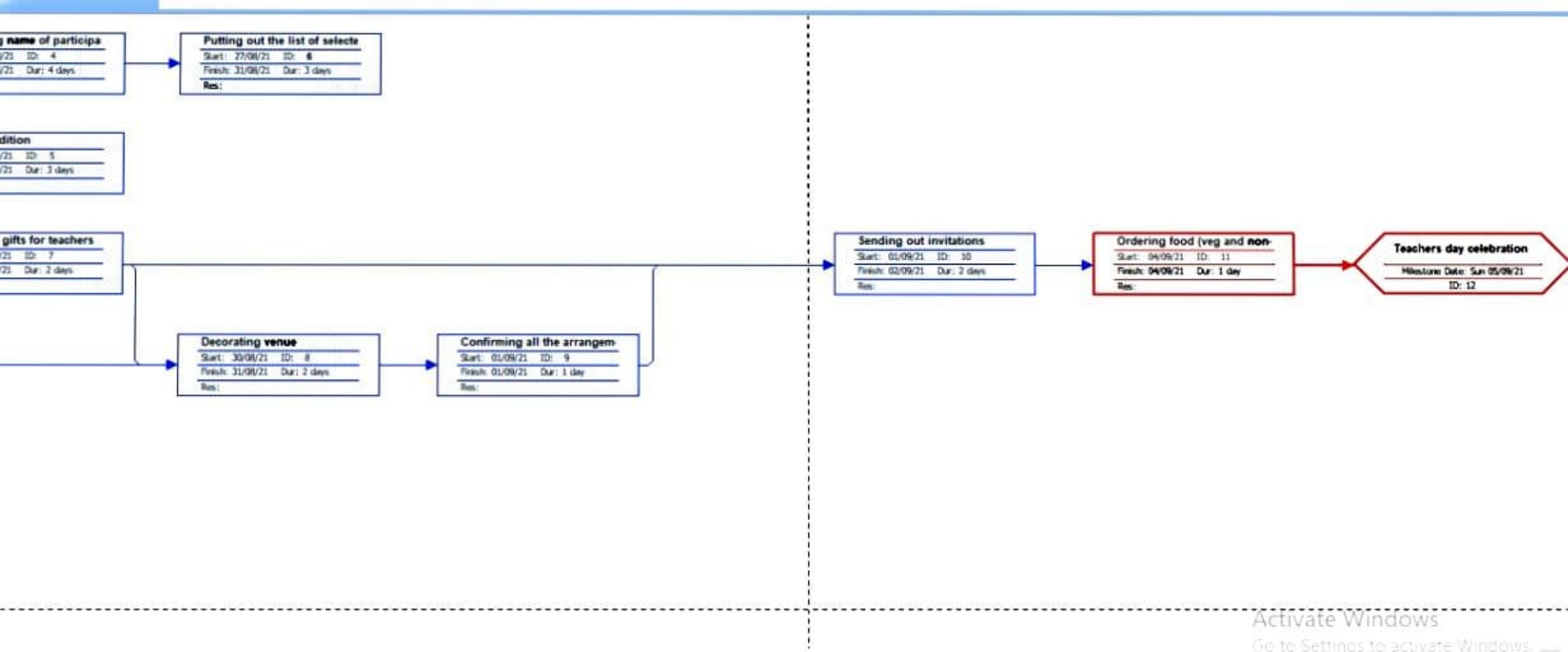
	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1	Making a committee	2 days	Tue 17/08/21	Wed 18/08/21		
2	Discussing with the members	2 days	Thu 19/08/21	Fri 20/08/21	1	
3	Collecting money	3 days	Mon 23/08/21	Wed 25/08/21	2	
4	Collecting name of participants	4 days	Mon 23/08/21	Thu 26/08/21	3SS	
5	Taking audition	3 days	Mon 23/08/21	Wed 25/08/21	3SS	
6	Putting out the list of selected participants	3 days	Fri 27/08/21	Tue 31/08/21	4	
7	Arranging gifts for teachers	2 days	Thu 26/08/21	Fri 27/08/21	3	
8	Decorating venue	2 days	Mon 30/08/21	Tue 31/08/21	7,3	
9	Confirming all the arrangements	1 day	Wed 01/09/21	Wed 01/09/21	8	
10	Sending out invitations	2 days	Wed 01/09/21	Thu 02/09/21	9SS,7	
11	Ordering food (veg and non-veg)	1 day	Sat 04/09/21	Sat 04/09/21	10SS	
12	Teachers day celebration	0 days	Sun 05/09/21	Sun 05/09/21	11	



Activate Windows



Activate Windows



Activate Windows
Go to Settings to activate Windows.

B Data flow diagram of online Examination system

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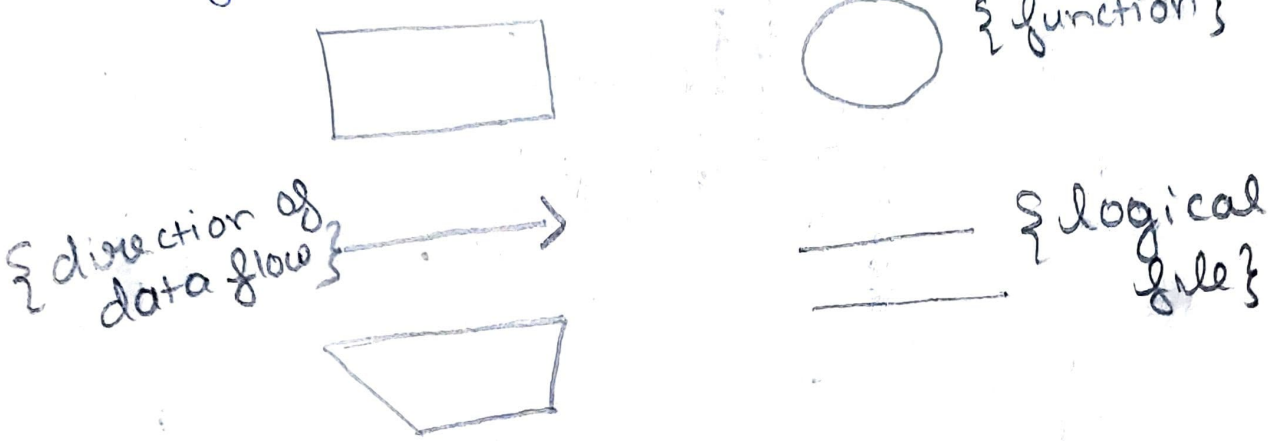
* DFD's graphically represent the results of structured analysis.
* It is a hierarchical graphical model.

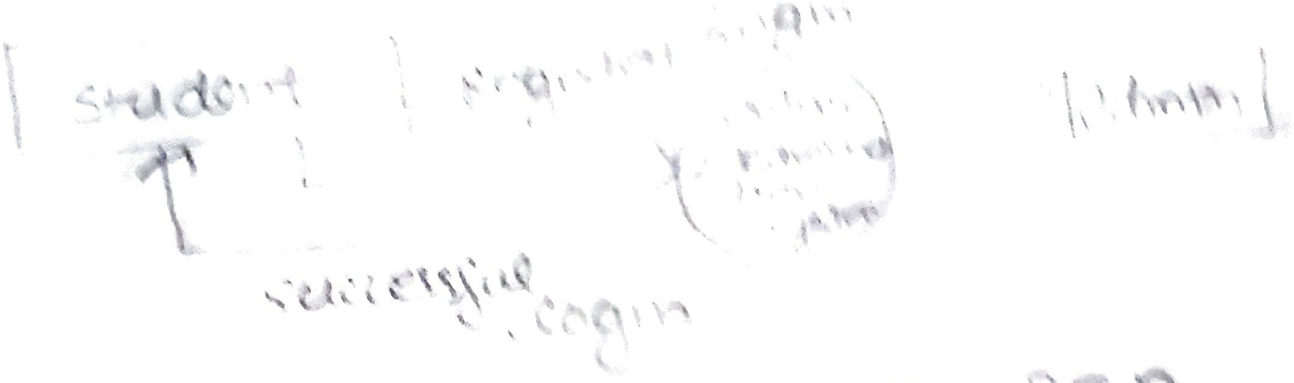
Symbols



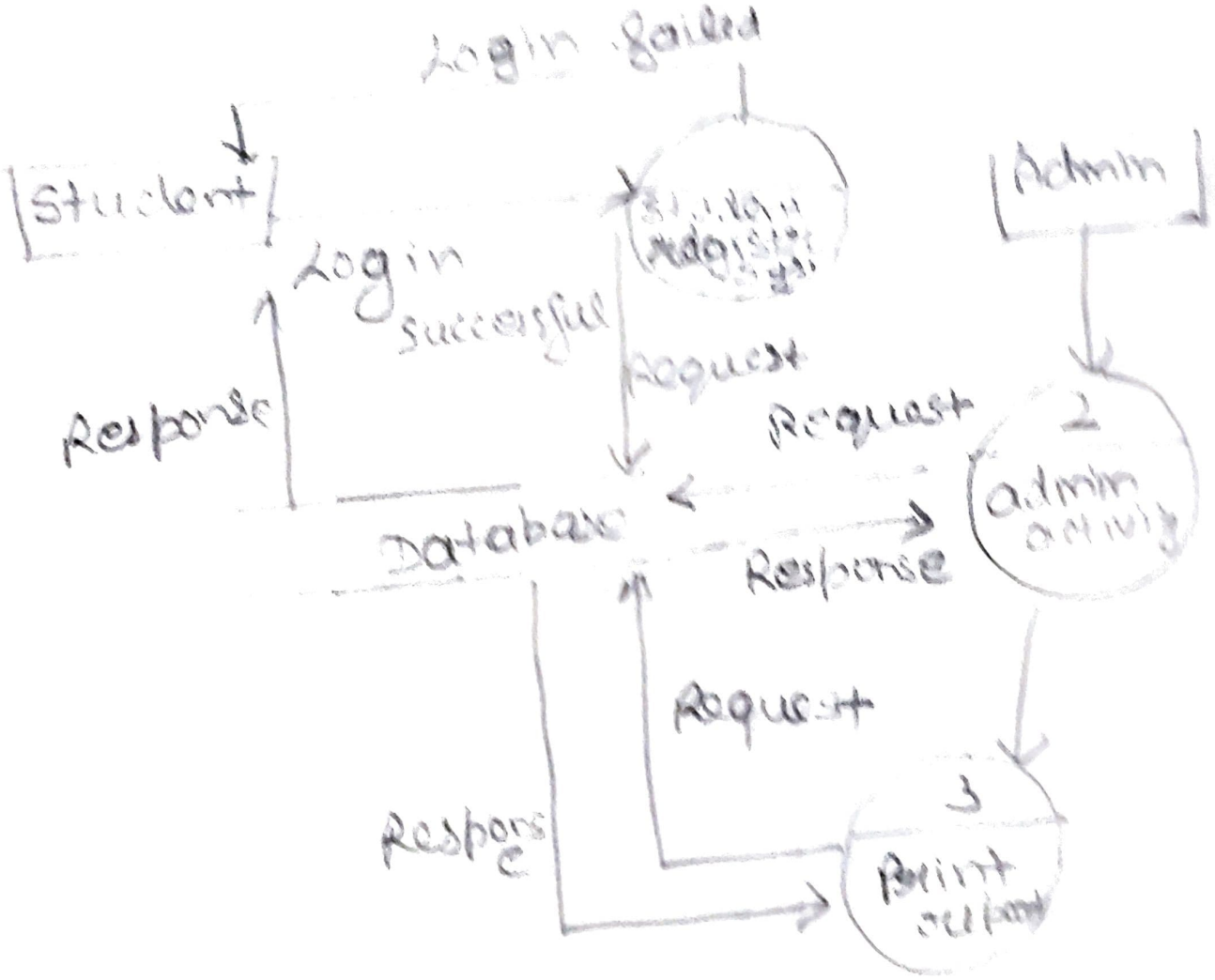
* Level - 0 DFD shows
  - → Data input to the system
  - → output data generated by system

* Level - 1 represents Data Input to the high level function and data output from the high level function

* Next - level. contains defintion of all composite data items of their component data items

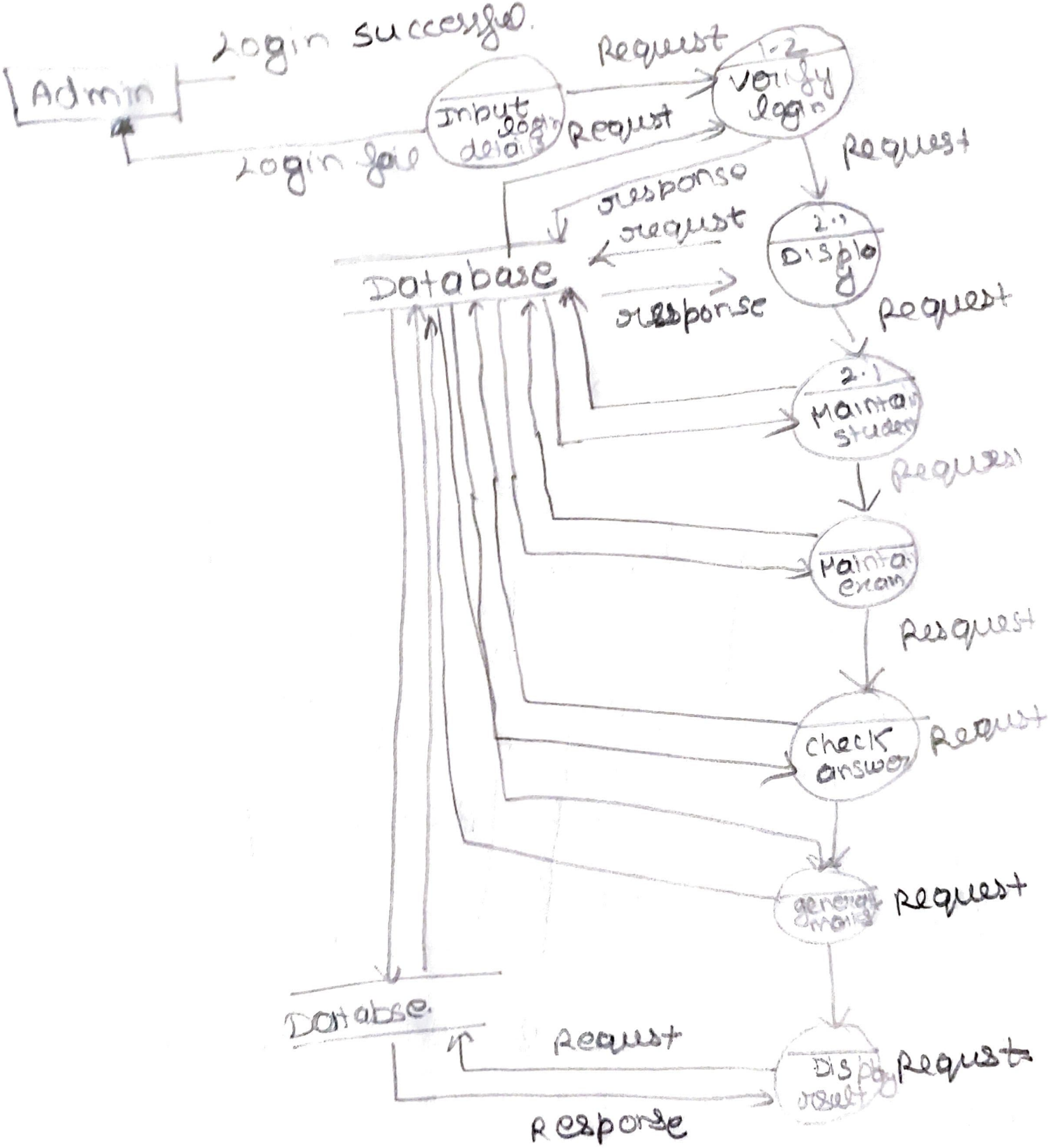


Level - 0 - DFD.

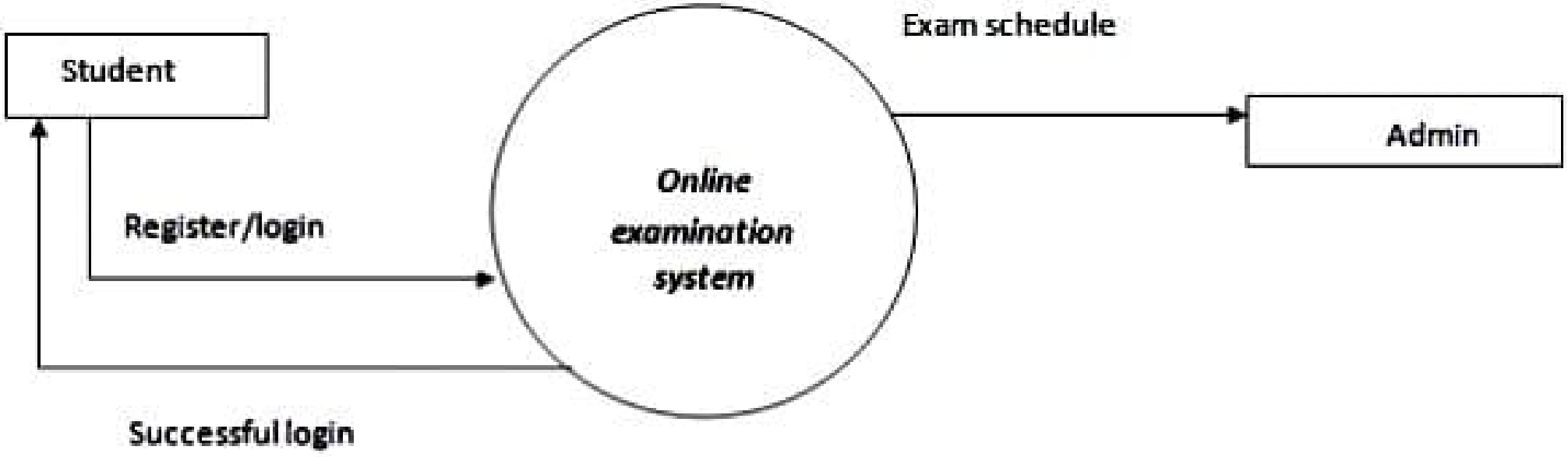


Level - 1 DFD.

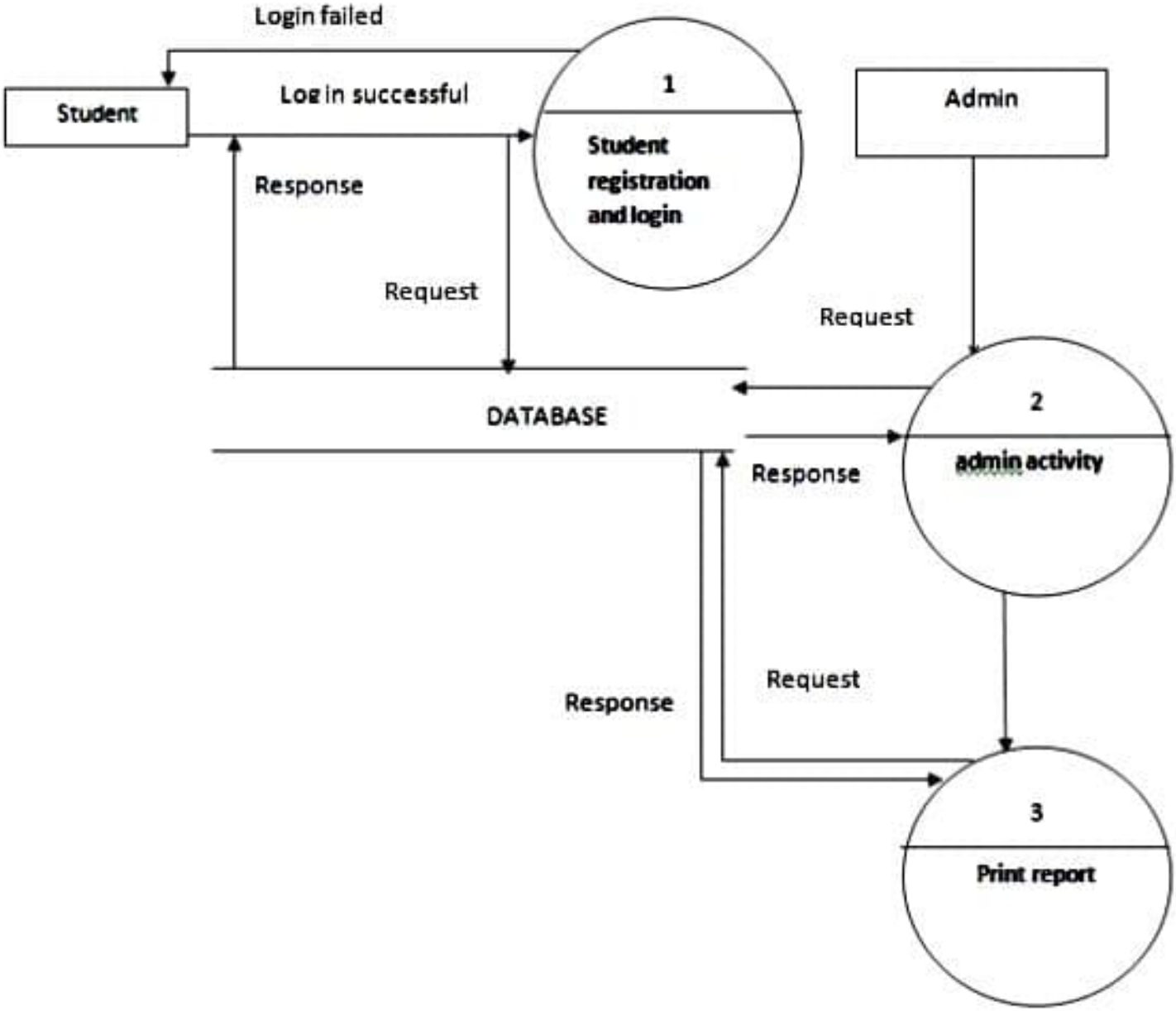
Level-2 DFD



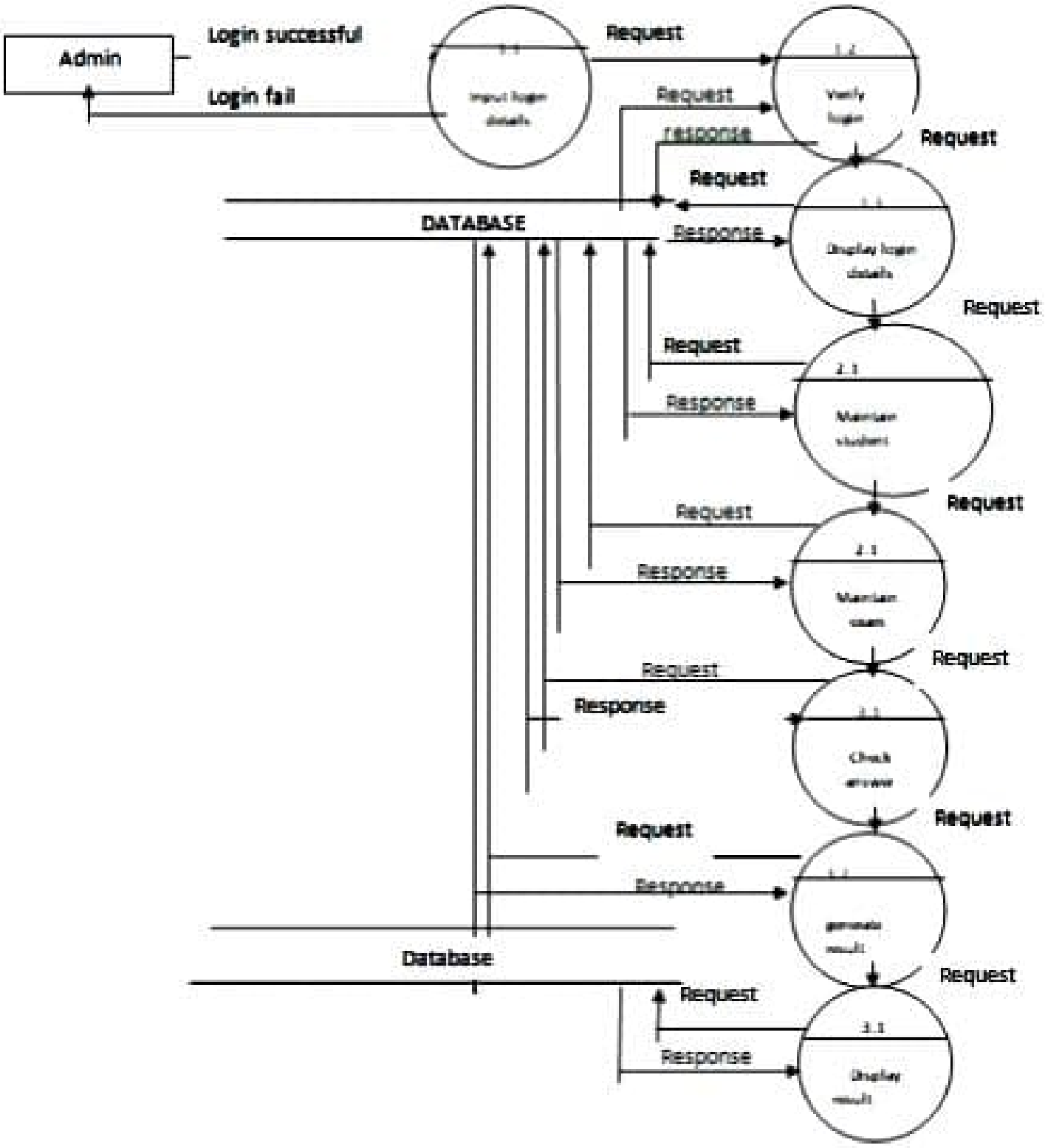
Level - 2 DFD.


Exam schedule
Student
Admin
Online examination system
Register/login
Successful login

LEVEL-0 DFD


Login failed
Student
Log in successful
1
Student registration and login
Admin
Response
Request
Request
DATABASE
2
admin activity
Response
Response
Request
3
Print report

Level 1 dfd


Admin
Login successful
Login fail
Request
Request
response
Request
Request
DATABASE
Response
Request
Request
Response
Request
Request
Response
Request
Request
Response
Request
Request
Response
Request
Database
Request
Response
Request

Level 2 dfd