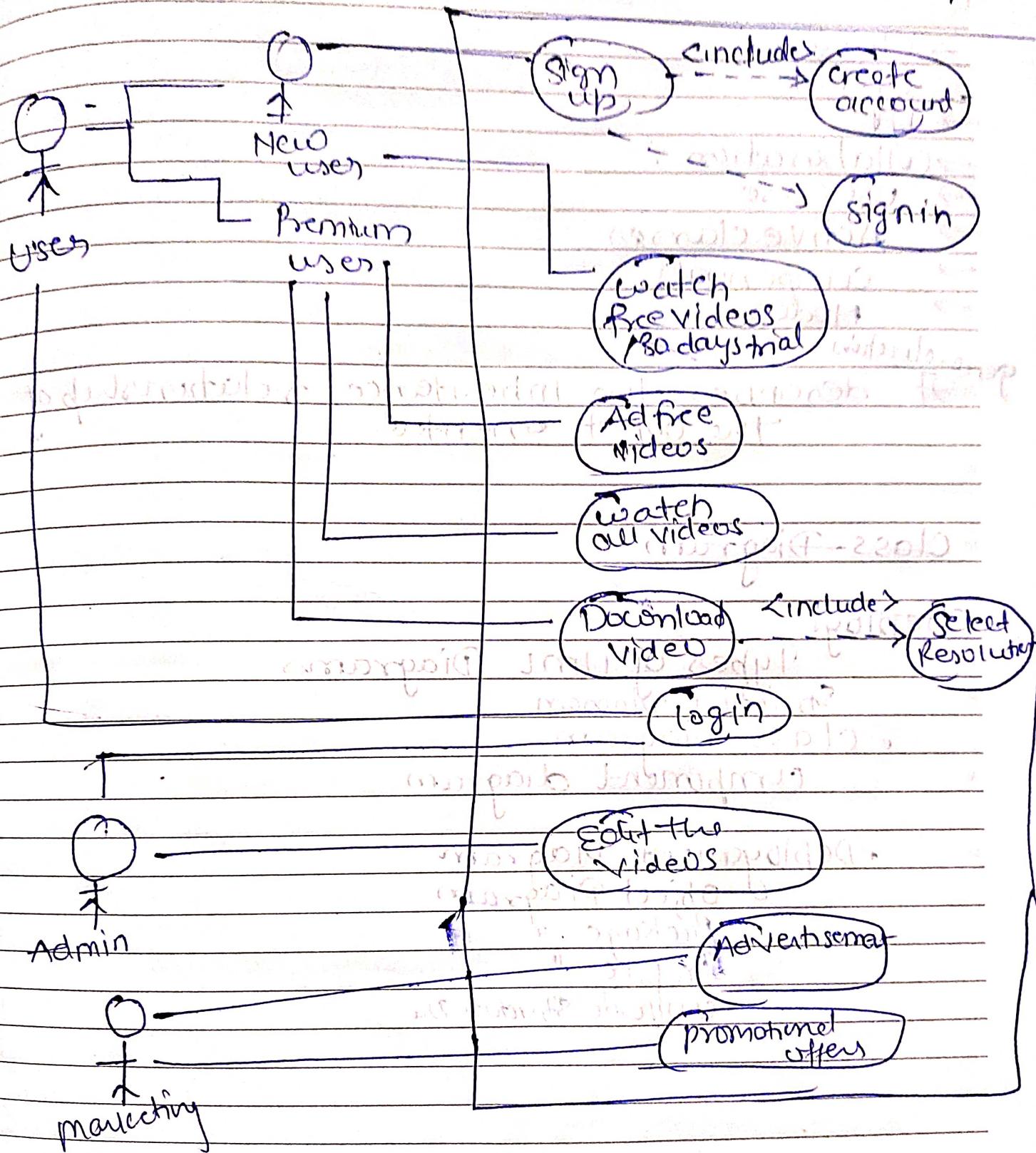


1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	S
M	T	W	T	F	S	S									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Use case for social website (Amazon prime)



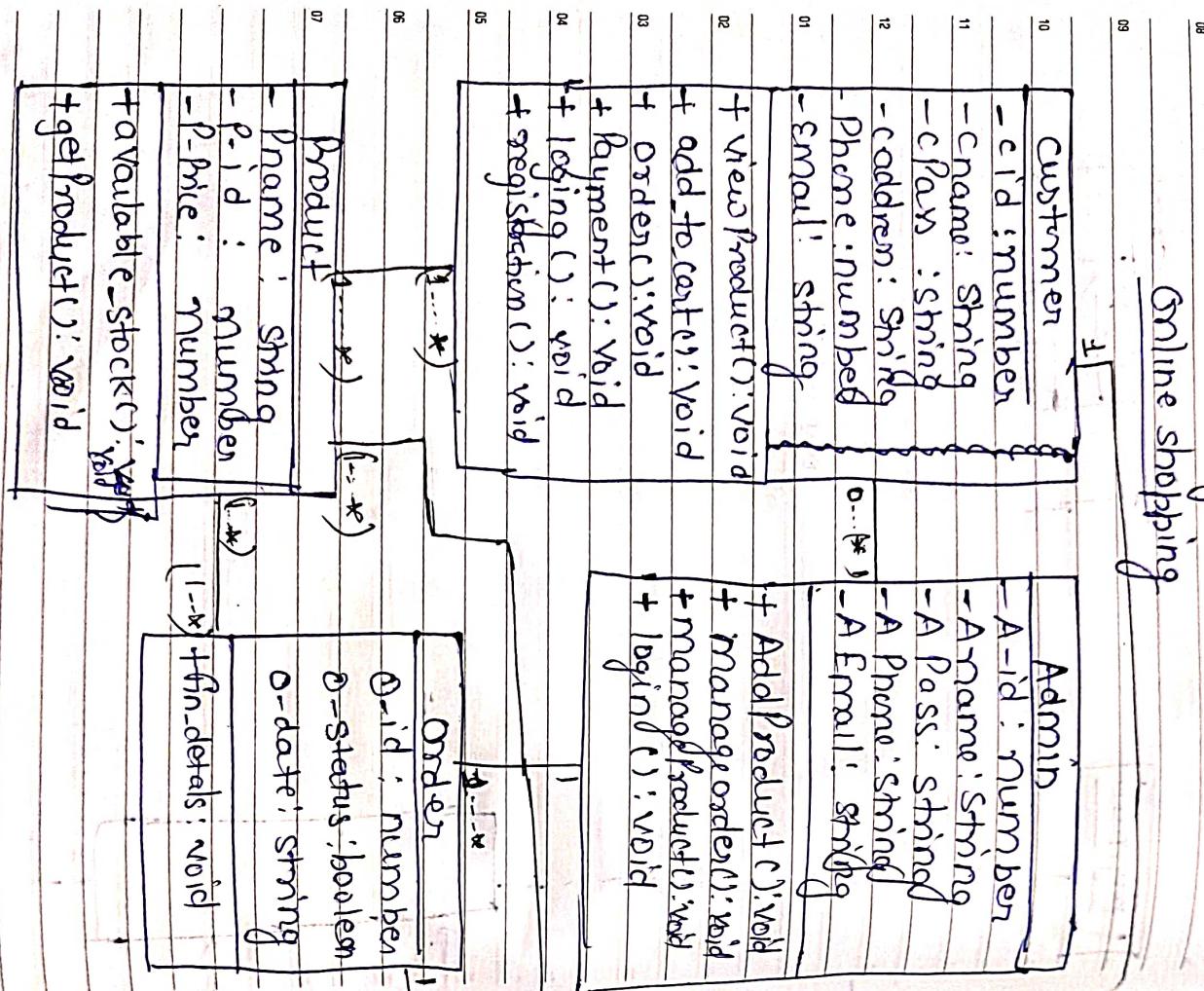
27/05/2021

Assignment -2

January
Monday
2019

Wk-04 • 021-344

Class Diagram



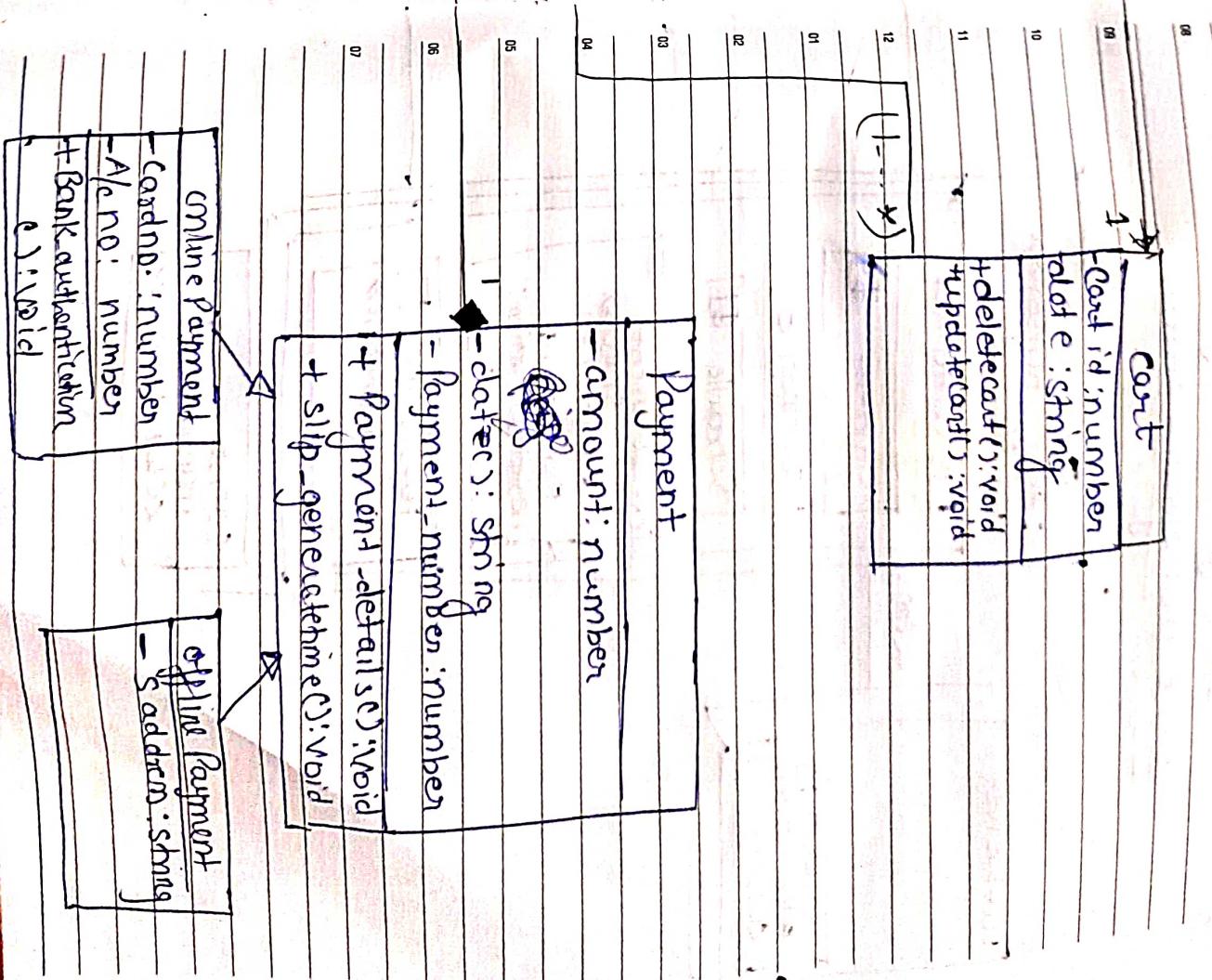
JANUARY '19	
6	1
7	2
8	3
9	4
10	5
11	6
12	7
13	8
14	9
15	10
16	11
17	12
18	13
19	14
20	15
21	16
22	17
23	18
24	19
25	20
26	21
27	22
28	23
29	24
30	25
31	26
1	27
2	28
3	29



January
Tuesday
2019

22

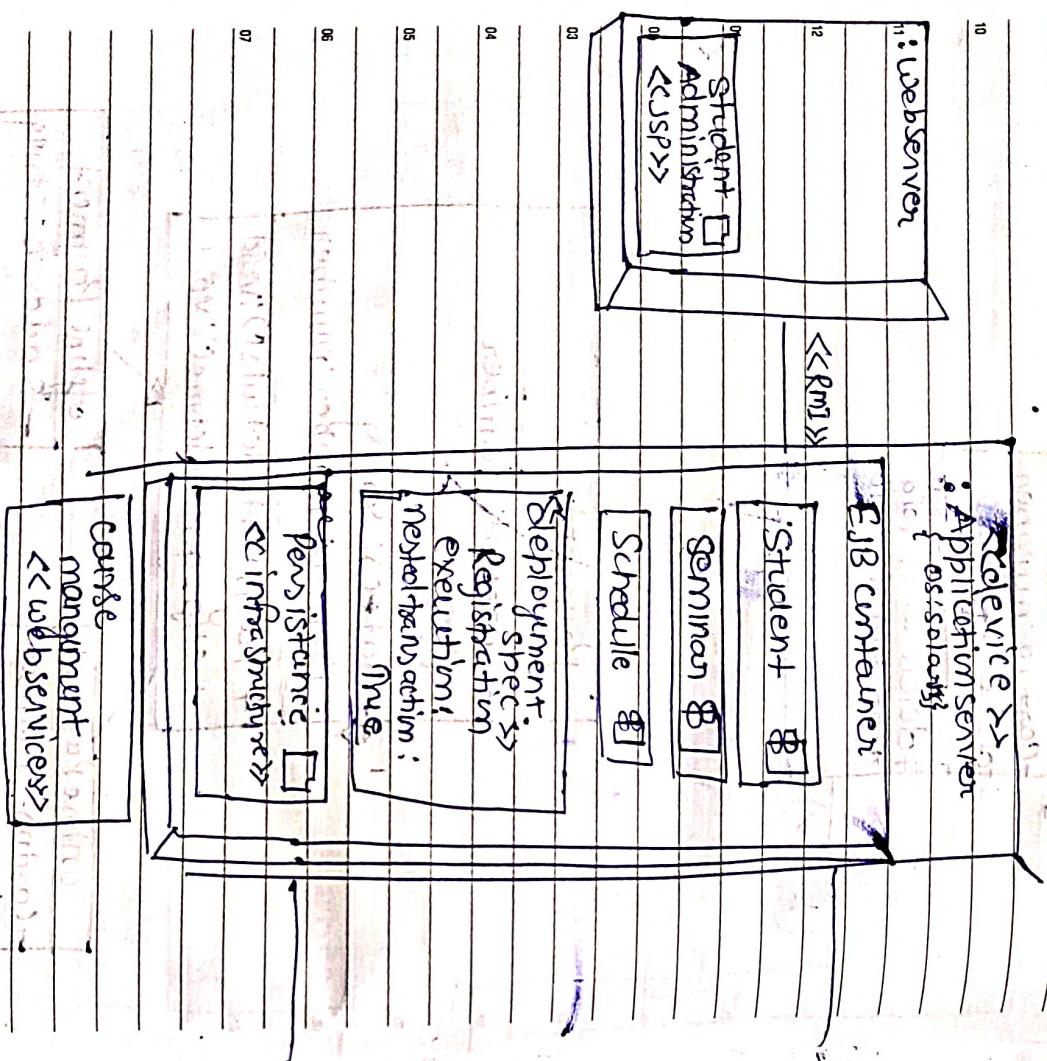
Wk-04 • 022-343



23 | January
Wednesday



Deployment Diagram



FEBRUARY '19

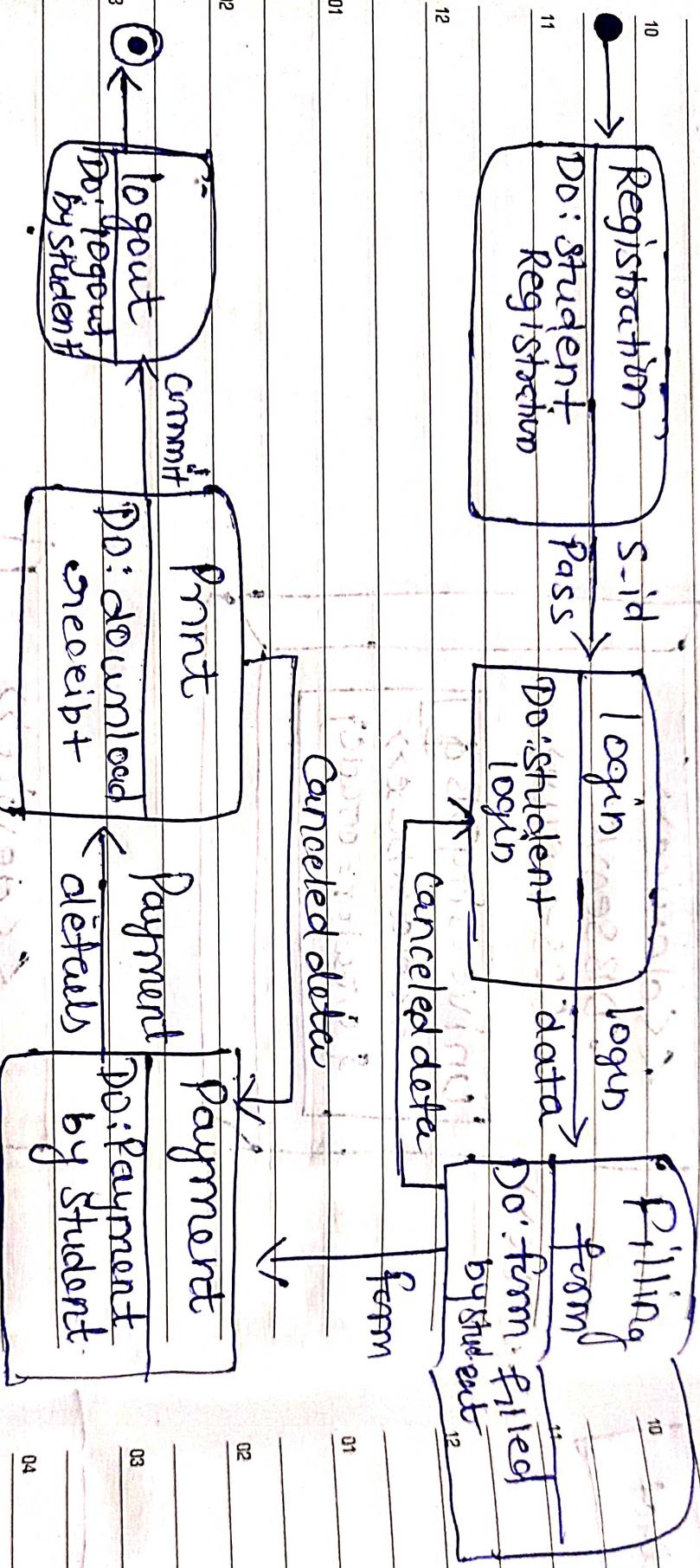
January
Thursday



43

3) Statechart Diagram

University form filling system



28

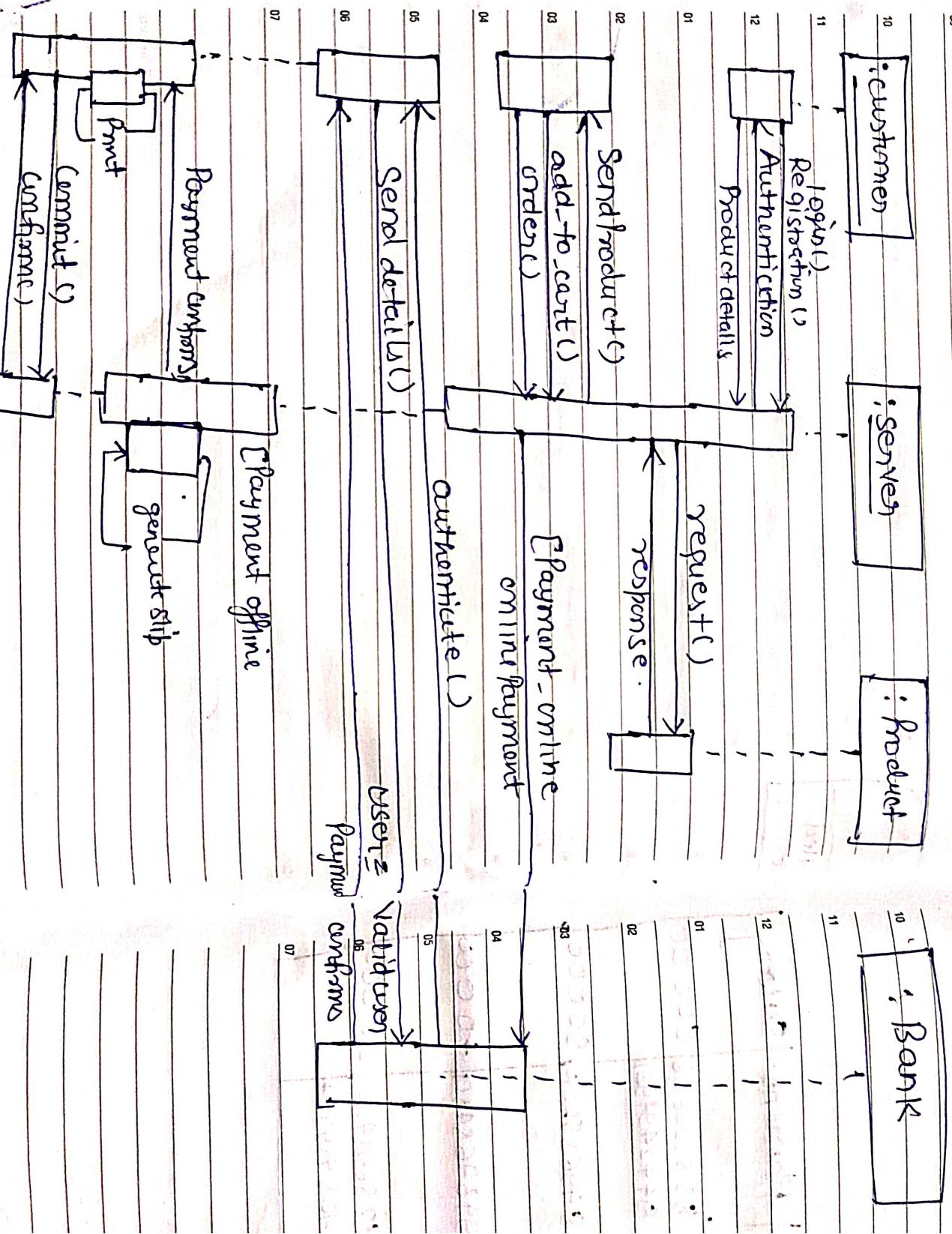
January
Monday

JANUARY	
S	1
M	2
T	3
W	4
T	5
F	6
S	7

FEBRUARY	
S	10
M	11
T	12
W	13
T	14
F	15
S	16
M	17
T	18
W	19
T	20
F	21
S	22
M	23
T	24
W	25
T	26
F	27
S	28
M	29
T	30
W	31

4) Sequence Diagram

ONLINE SHOPPING SYSTEM



Normalisation

With example.

1NF (First Normal form)

Employee table

EmployeeID	EmployeeName	Phone no.	Salary
1B0U001	Ram	8553206126	60000
1B0U001	Ram	9442934321	60000
1B0U002	Shyam	8796580010	80000
1B0U003	Hasan	9987659780	40000
1B0U004	Sujal	9286759280	20000
1B0U004	Sujal	8765439987	20000
1B0U002	Shyam	8796580010	80000
1B0U003	Hasan	9987659780	40000
1B0U004	Sujal	9286759280	20000

After applying 1NF

EmployeeID	EmployeeName	Ph. no.	Salary
1B0U001	Ram	8553206126	60000
1B0U001	Ram	9442934321	60000
1B0U002	Shyam	8796580010	80000
1B0U003	Hasan	9987659780	40000
1B0U004	Sujal	9286759280	20000
1B0U004	Sujal	8765439987	20000

EmployeeID	EmployeeName	Ph. no.	Salary
1B0U001	Ram	8553206126	60000
1B0U001	Ram	9442934321	60000
1B0U002	Shyam	8796580010	80000
1B0U003	Hasan	9987659780	40000
1B0U004	Sujal	9286759280	20000
1B0U004	Sujal	8765439987	20000

2NF (2nd Normal Form)

Employee-id	Deptlo Department-id	Office Location
IBOU001	BO-T1	Pune
IBOU002	BO-S2	Bengaluru
IBOU003	BO-M1	Delhi
IBOU004	BO-T3	Hyderabad

After applying 2NF

Employee-id	Department-id	Department-id	Office Location
IBOU001	BO-T1	BO-T1	Pune
IBOU002	BO-S2	BO-S2	Bengaluru
IBOU003	BO-M1	BO-M1	Delhi
IBOU004	BO-T3	BO-T3	Hyderabad

3Rd Normal form

StudentId	Studentname	SubjectId	Subject	Location
IB015CS064	Pooja	15CS11	SQL	Goa
IB015CS062	Nammi	15CS13	Java	Bengaluru
IB015CS061	Gayathri	15CS12	C++	Delhi
IB015CS063	Pari	15CS13	Java	Kochi

After applying 3rd NF

StudentId	Studentname	SubjectId	Location	SubjectId	Subject
IB015CS064	Pooja	15CS11	goa	15CS11	SQL
IB015CS062	Nammi	15CS13	Bengaluru	15CS13	Java
IB015CS061	Gayathri	15CS12	Delhi	15CS12	C++
IB015CS063	Pari	15CS13	Kochi	15CS13	Java