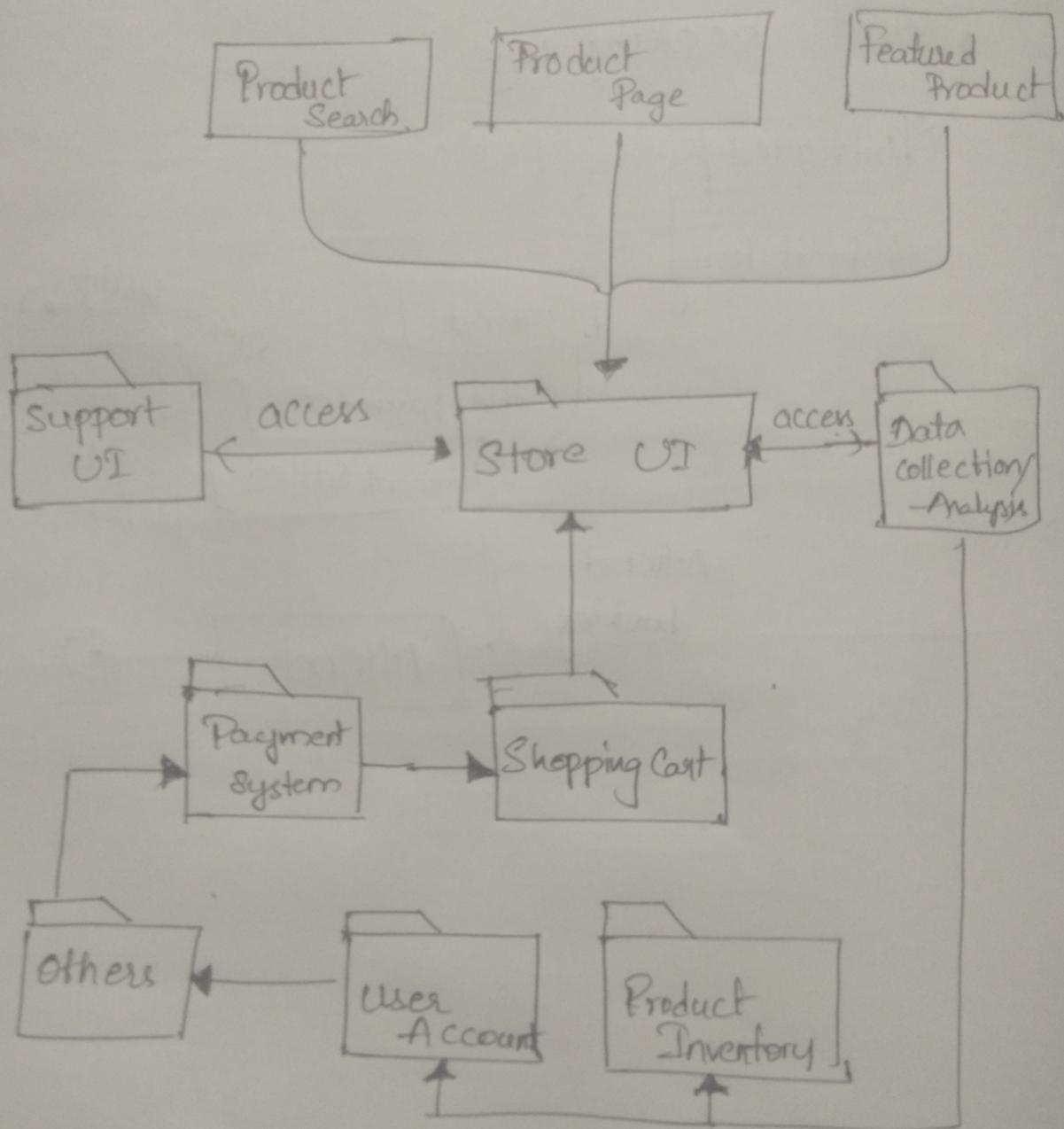
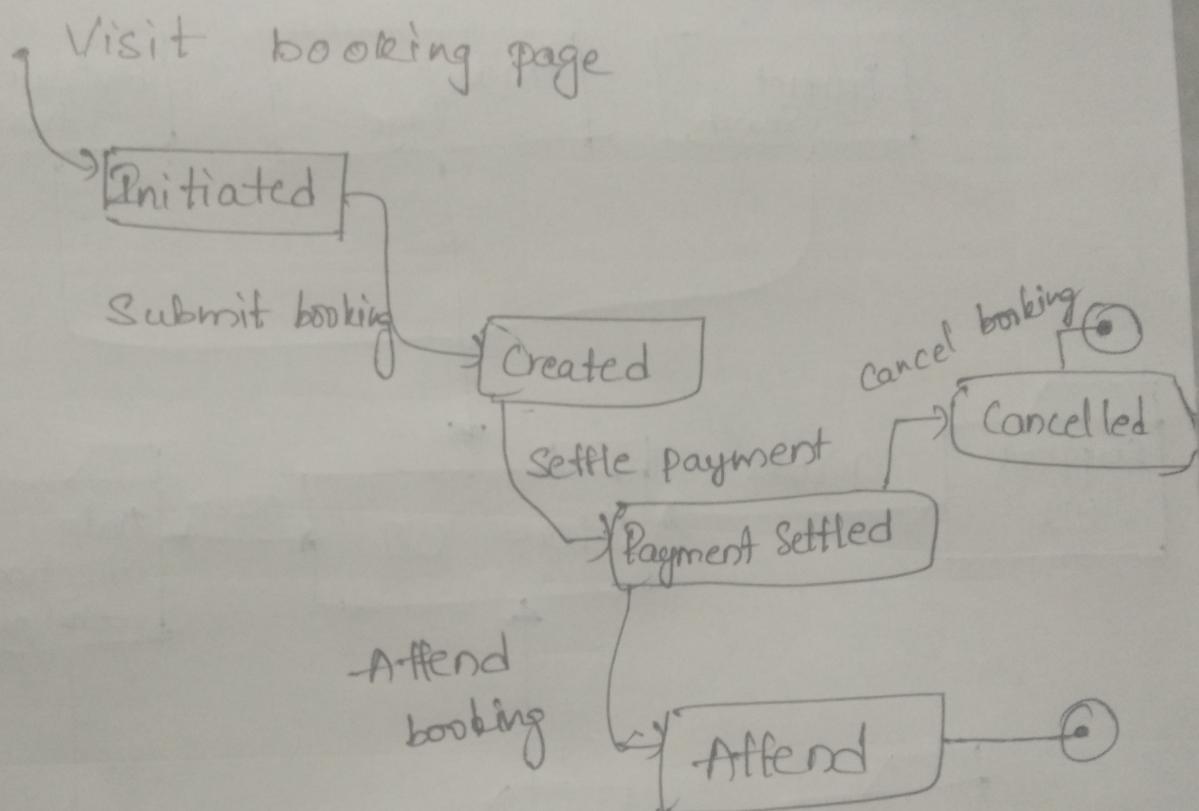


## Package diagram:



## State Diagram:



↑ Primary key

Book ID	Book Name	Bookle	Std ID	Subject code
01	C	D	1	01
05	C++	E	2	02
07	Java	F	3	03
08	Python	G	4	04
09	SQL	H	5	05

3NF (3rd Normal Form) :

Composite Primary Key  
 ↓ Pk ↓ Pk ↓ PK

DOI	DOR	Subject ID	Sub code	BookID
02-10-19	04-11-19	1	01	01
03-8-19	8-12-19	2	02	05
12-12-20	24-12-20	3	03	07
01-12-20	30-12-20	4	04	08

S-ID	Std name	mail	Subject	Subject code	DOE	DOR
1	A	A@gmail	C	1	10-1-21	20-2-21
1	A	A@gmail	C++	2	9-2-19	22-5-21
2	B	B@gmail	C++	3	3-4-18	22-6-18
3	C	C@gmail	Java	5	04-12-21	30-7-21
4	D	D@gmail	Python	9	12-12-19	26-2-20
5	E	E@gmail	EMFT	11	16-8-19	2-10-20

2NF :

foreign key Student table

Primary key

Std ID	Std name	Mail	Phone	Sub code	Sub name	Std ID
1	A	A@gmail	970--	01	C	1
2	B	B@gmail	8102--	02	C++	2
3	C	C@gmail	9052--	03	Java	3
4	X	X@gmail	9581--	04	Python	4

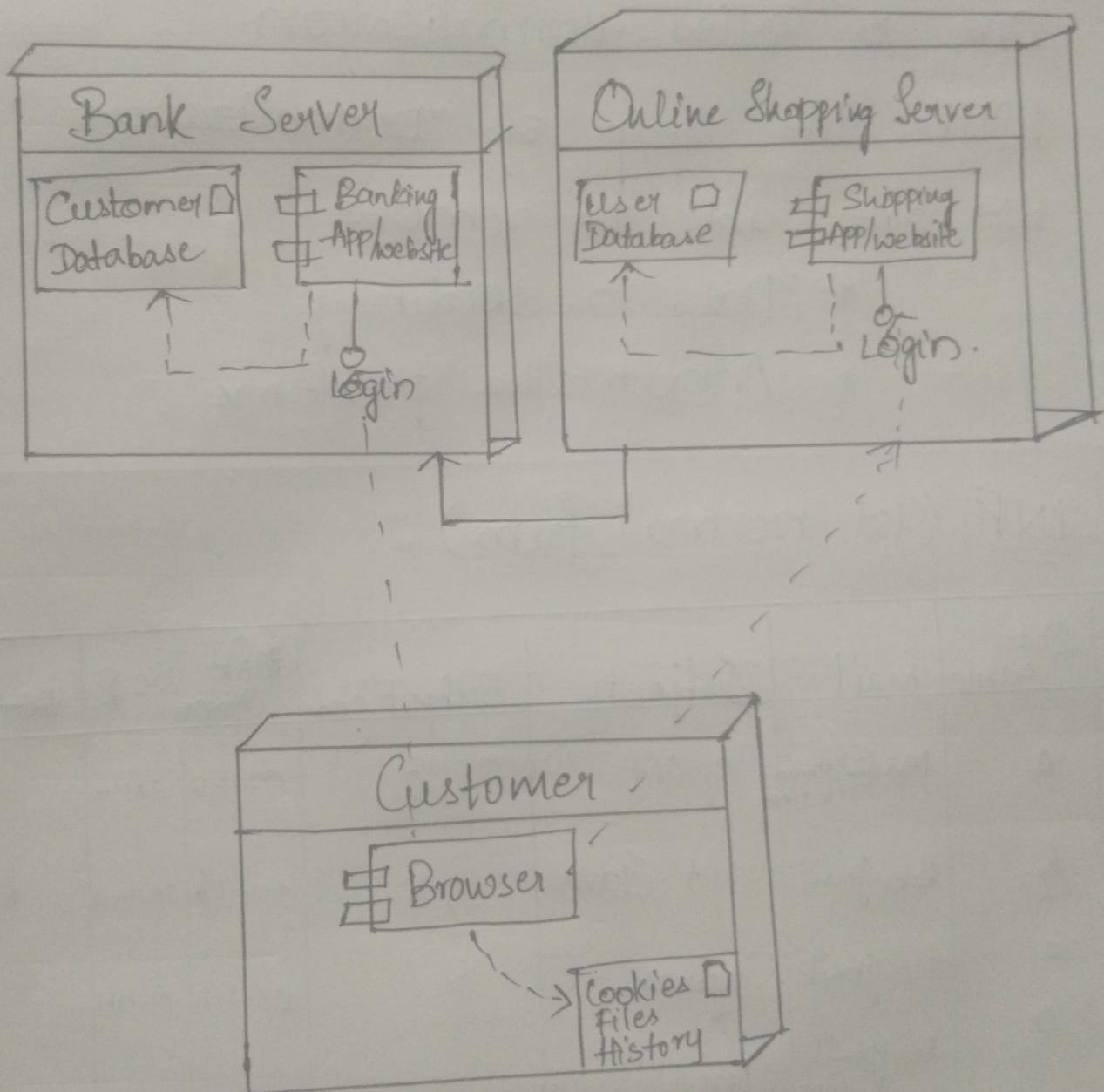
## Normalization

- Splitting bigger tables into Smaller One is called normalization.
- < - With the help of Normalization we are able to remove
  - \* Data redundancy
  - \* Anomalies problems

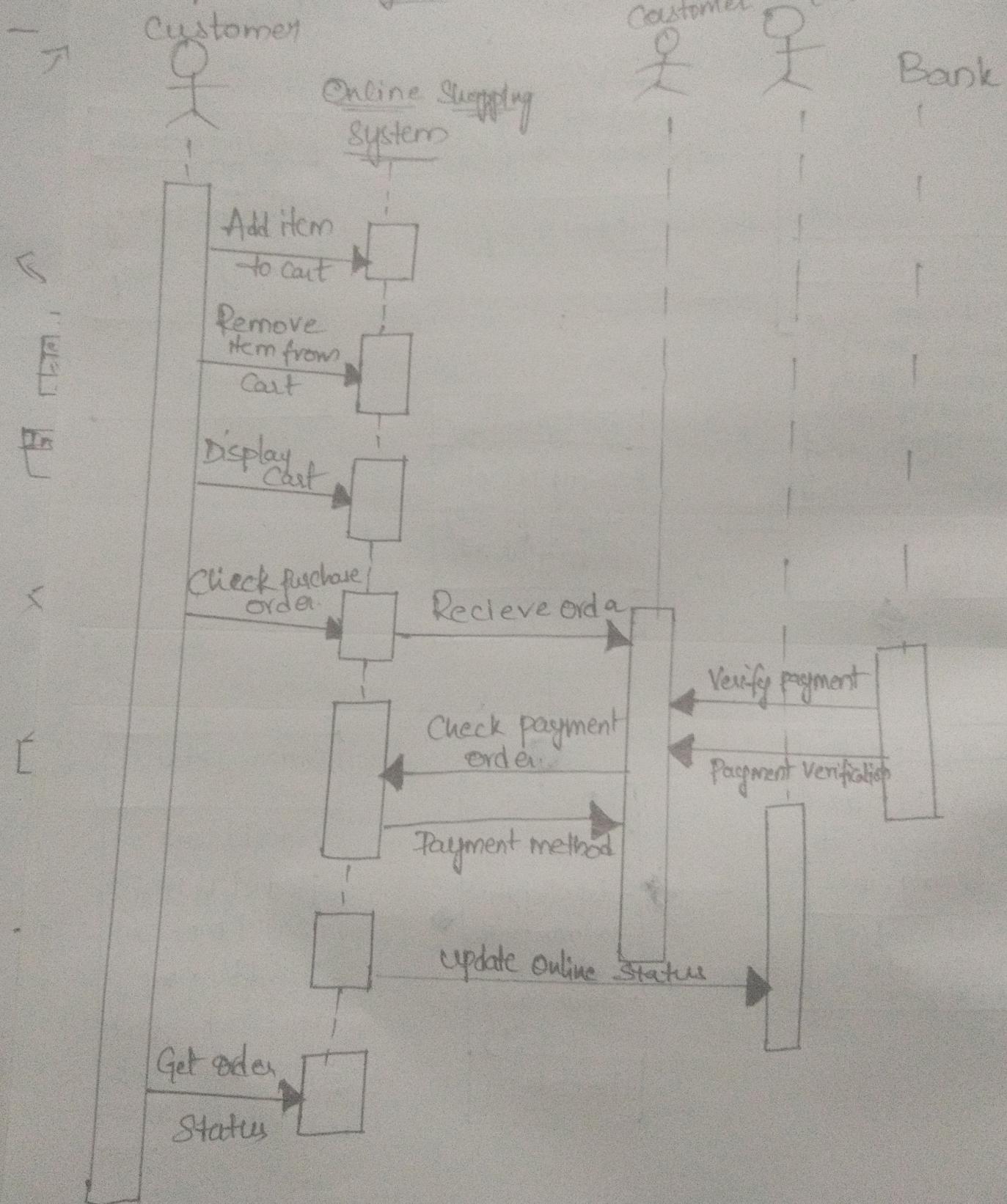
INF (1st normal form) :-

St ID	Std name	Mail	Subjects	Subject code	BOI Name	DOR	DOR
1	A	Ma@gmail.com	C, C++	1, 2	07-11-12	20-May	
2	B	B@gmail.com	C++, Java	2, 3	01-13-18	20-10-21	
3	C	C@gmail.com	Python	5	03-9-21	19-10-81	
4	D	D@gmail.com	Digital Electronics	9	5-9-20	12-12-21	
5	E	E@gmail.com	EMFT	11	21-11-19	22-11-20	

## Deployment Diagram : (Online Shopping)



## Sequence diagram : (Shopping mart )



# Class Diagram : (Shopp Online Shopping)

