

MODULE#02

Submitted to: Ms. Fatima Gillani

Submitted by: Amna Waqar FL21515,

Eman Tariq FL21505,

Nayab Hameed FL21495

Section: BSSE 5B

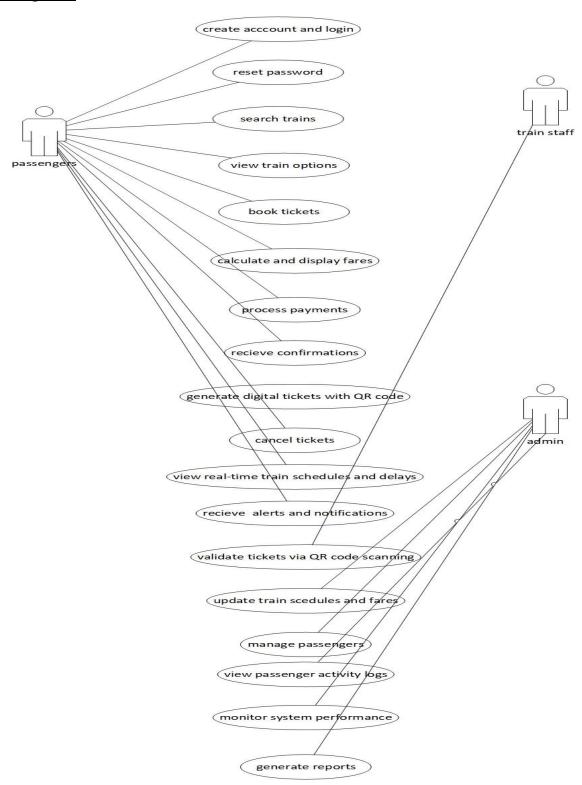
Date: 03-OCTOBER -2024

Software Construction and Development

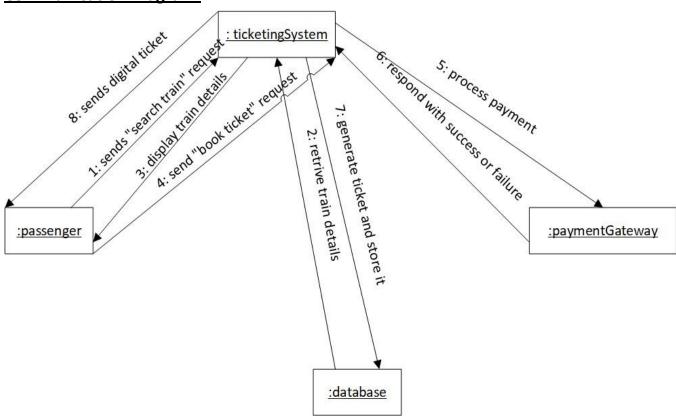
Department of Software Engineering, National University of Modern Languages, Islamabad

Diagrams:

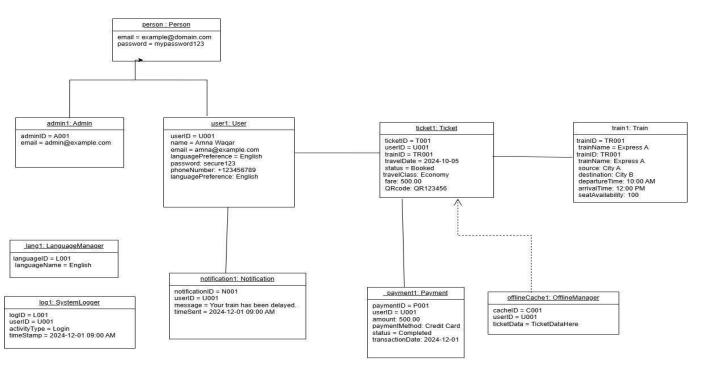
Use Case Diagram:



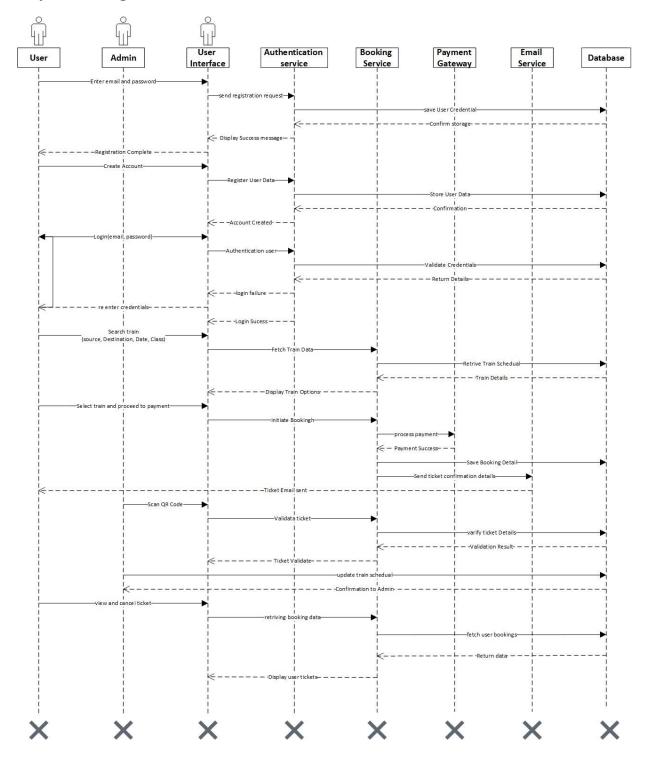
Communication Diagram:



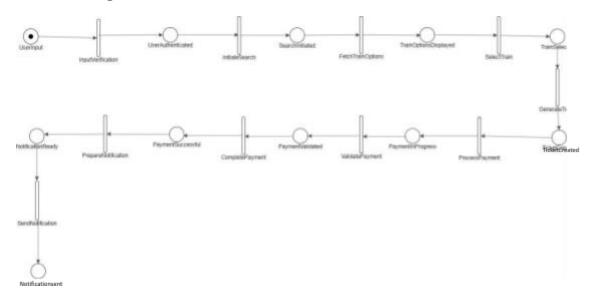
Object Diagram:

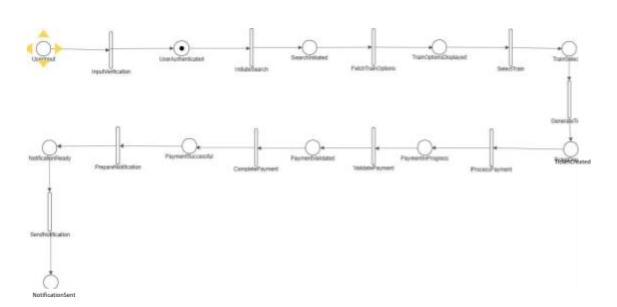


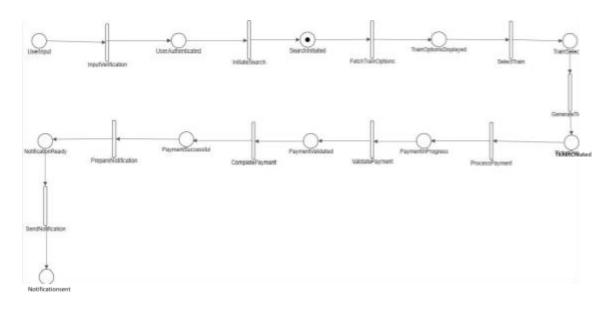
Sequence Diagram:

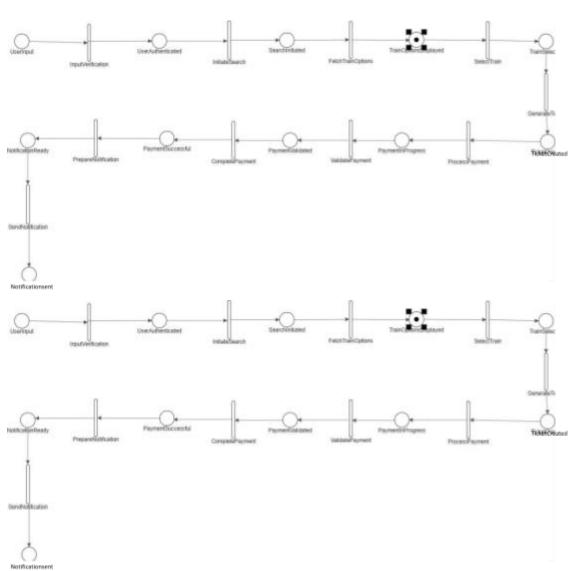


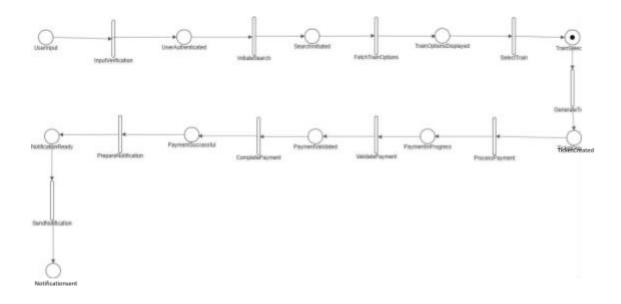
Petrinet Diagram:

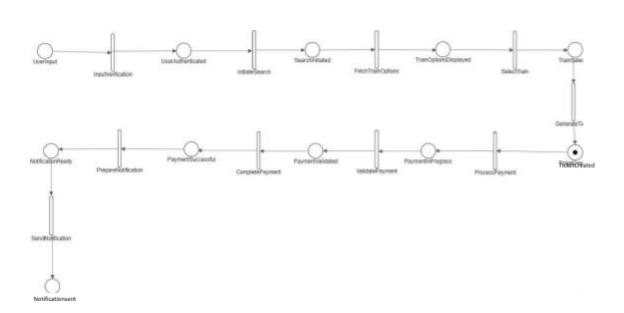


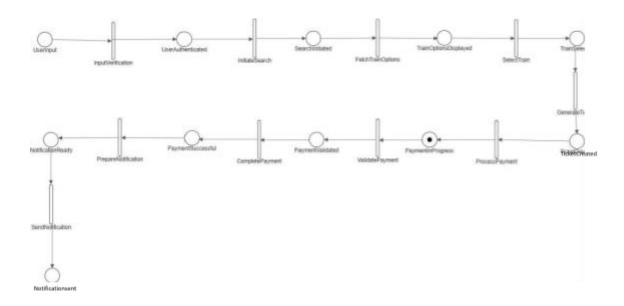


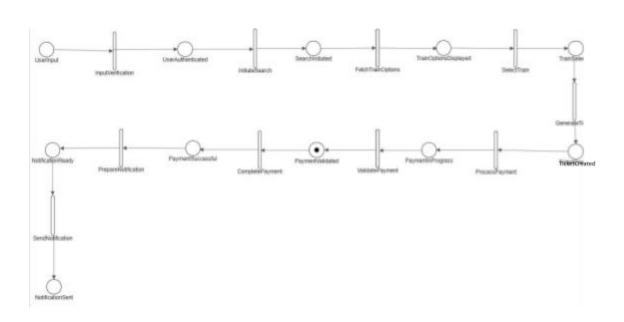


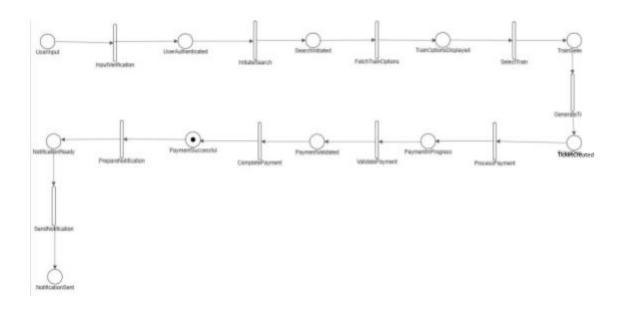


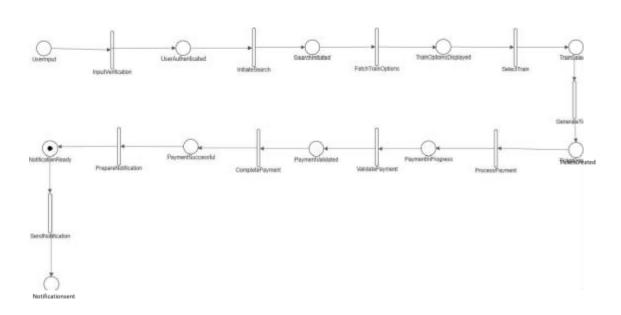


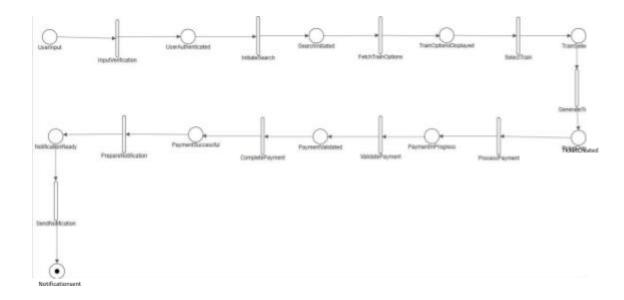












Tables:

Input Table:

	p1	p2	рЗ	p4	p6	p6	p7	pB	p0	p10	p11	
L1	1	0	0	0	0	0	0	0	0	0	0	
12	0	1	0	0	0	0	0	0	0	0	0	
13	0	0	1	0	0	0	0	0	0	0	0	
14	0	0	0	1	0	0	0	0	0	0	0	
15	0	0	0	0	1	0	0	0	0	0	0	
16	0	0	0	0	0	1	0	0	0	0	0	
17	0	0	0	0	0	0	1	0	0	0	0	
18	0	0	0	0	0	0	0	1	0	0	0	
19	0	0	0	0	0	0	0	0	1	0	0	
110	0	0	0	0	0	0	0	0	o	1	0	

Output Table:

	p1	p2	рЗ	p4	р5	pB	p7	pB	pū	p10	p11	
L1	0	1	0	0	0	0	0	0	0	0	0	
12	0	0	1	0	0	0	0	0	0	0	0	
13	0	0	0	1	0	0	0	0	0	0	0	
14	0	0	0	0	1	0	0	0	0	0	0	
15	o	0	0	0	0	1	0	0	0	0	0	
16	0	0	0	0	0	0	1	0	0	0	0	
17	o	0	0	0	0	0	0	1	0	0	0	
18	0	0	0	0	0	0	0	0	1	0	0	
19	0	0	0	0	0	0	0	0	0	1	0	
110	0	0	0	0	0	0	0	0	0	0	- 1	

Firing table:

	p1	p2	рЗ	p4	p6	рB	p7	p8	p0	p10	p11	
10	1	0	0	0	0	0	0	0	0	0	ď	
11	0	1	0	0	0	0	0	0	0	0	0	
12	0	0	1	0	0	0	0	0	0	0	0	
13	0	0	0	1	0	0	0	0	0	0	0	
14	0	0	0	0	1	0	0	0	0	0	0	
15	0	0	0	0	0	1	0	0	0	0	0	
16	0	0	0	0	0	0	1	0	0	0	0	
17	0	0	0	0	0	0	0	1	0	0	0	
18	0	0	0	0	0	0	0	0	1	0	0	
19	0	0	0	0	0	0	0	0	0	1	0	
110	0	0	0	0	0	0	0	0	0	0	1	

Timing Diagram:

