FAST School of Computing

Fall-2022

Question 01: Provide the pre-condition, post-condition and alternate scenarios for the given "Book Flight" Use case. [2+2+6]

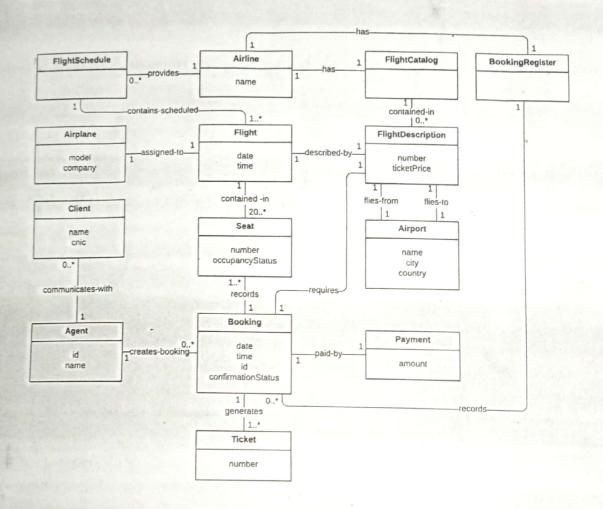
Use case Name Book Flight	
Actor Actions	System Response
Pre-condition: System Availi	able Slights Available
according to client requi	rements, seats availiable
The use case begins when the agent specifies a travel itinerary (schedule) for a client.	
3. The agent selects the flight.	2. The system searches a set of appropriate flights and present them to the agent.
5. The agent finalizes the booking by supplying payment information.	4. The system verifies the space is available on the flight and reserves a seat on the flight.
Post-condition: Cost books	6. The system books the seat and issues the ticket.
Post-condition: Seal booked saved correctly.	saccess of actings information
Alternative Scenarios:	
1, In step 4: sent not	available on flight
Repeat st	ep 3 and 4 for alternative flight
2. In step 1: flights	ep 3 and 4 for alternative flight not available
Chana	schedule requirements
C. M. J.	- Julien is
3. 1 (40-1) 9 0	a dun of some a wheat
Page (2066 Canrel Ticket and Report steps again with correct
cell &	steps again with correct
Enfo	rmout 1'0 d

FAST School of Computing

Fall-2022

Islamabad Campus

Domain Model



National University of Computer and Emerging Sciences Fall-2022 **FAST School of Computing** Question 02: Draw a System Sequence Diagram corresponding to the scenario given in the question 01. [10 marks] get Schedule [Start Pate of End Pate, Source, Derford) Select Flight (Date, Time, model, company) seat de tail pay For Ticket Mothod, date, Time, a mount issue Ticket, Question 03: Produce design sequence diagrams for "Book Flight" use case by apply GRASP patterns. [15 marks] el Schooluler Istart Duk., Endpule, Source, Dest) t: Array List CHight get Schodwe (50, ED, SSR)

SD = Start Deale

ED = EndPate

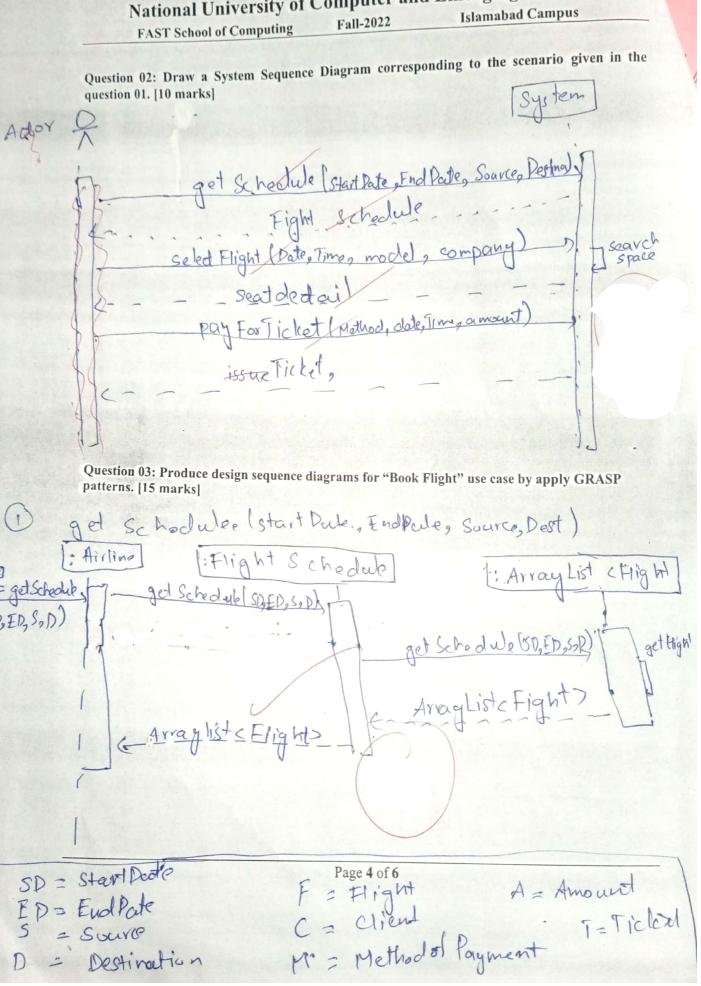
C = Client

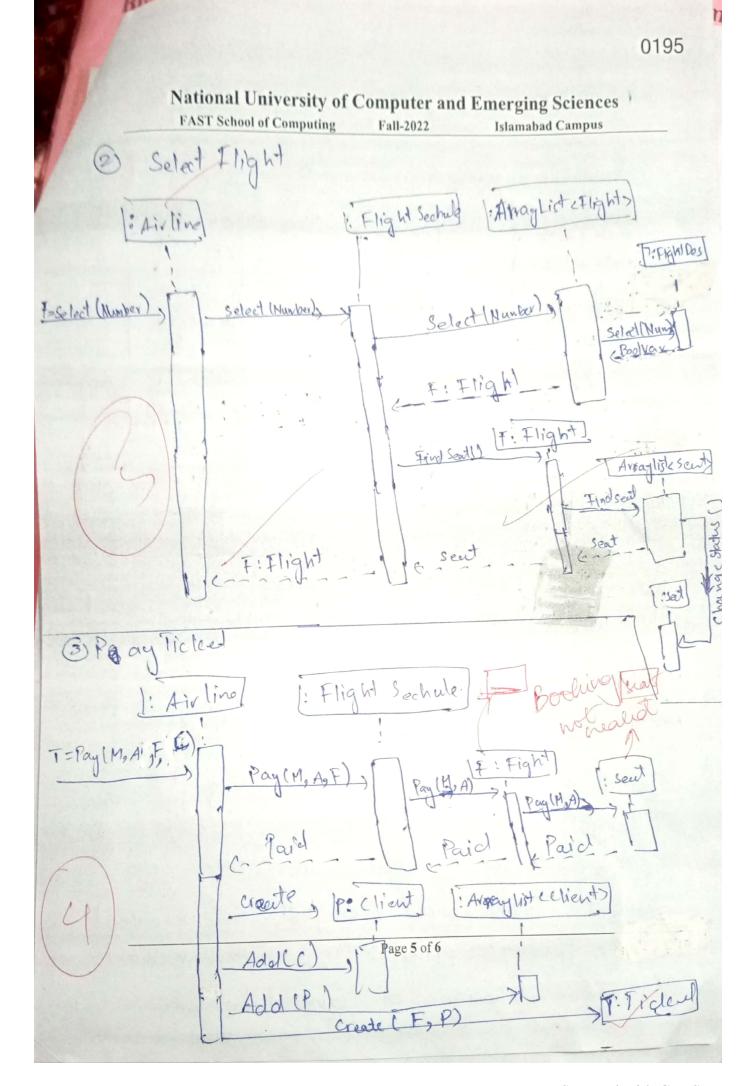
C = Client

T = Ticled

M' = Method of Payment

National University of Computer and Emerging Sciences Fall-2022 **FAST School of Computing**

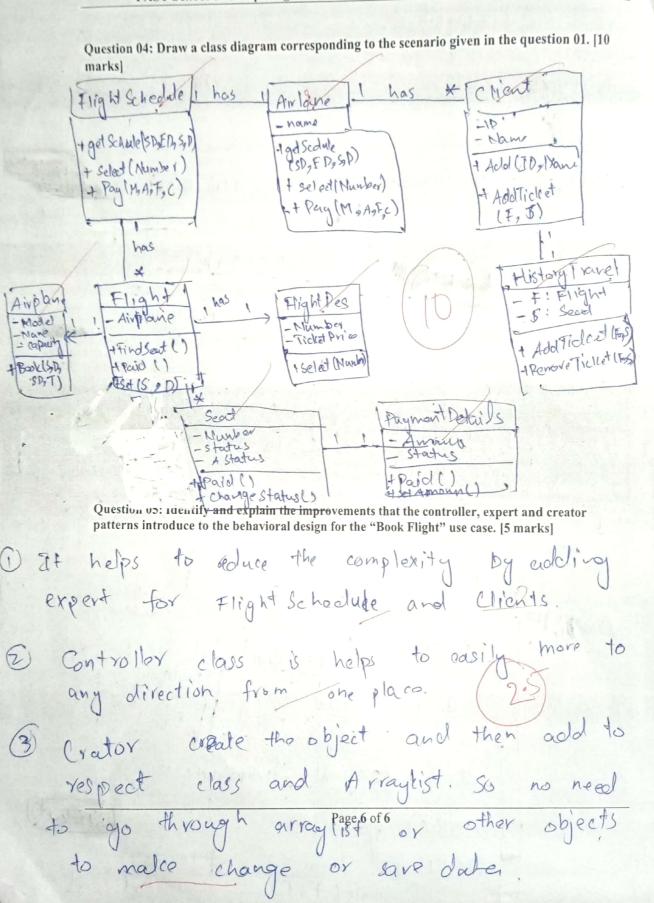




FAST School of Computing

Fall-2022

Islamabad Campus



FAST School of Computing

Fall-2022

Islamabad Campus

