SDS | Page No. | Software Engineering Name & Pruksha A. Patel Sapid r 60004210126 Branch - Computer Engineering Divr Co, Batch -1 Experiment no. 5 Ain & Dendop requence, collaboration of state diagram for the Dequence Diagram? A dequence diagram is a type of UTIL interaction diagram that illustrates the intexaction between objects in a system arranged in a time dequence. It risually depicts the messages exchanged between Objects along a timeline, showing the order in which they may messages occur. some ky characteriuties of dequence diagram? · Objects: The diagram represents the participating objects in the interaction, typically displayed as rectical lifetimes. They objects can be softward components, external systems or eller listers. · Jime sequence: The horizontal axis represent time, with in which they are vent. · Messagle: Arrows between lifelines represent messages enchange Istuleer objects. There missages can be requests responses ence or data transfers. · Activation r A lifeline is drawn as a solid line during the period on object is involved in the interaction, when as object is insitue, the lifeline is dashed.

Dato Lambert list of objects in the scenario -· User · Ticket dervice Borrider (TSP) · EaryPay Admin State diagram? · Pending · The initial state where seats might be temporarily gn Progress > The user is a electing movie, shoutine, of · Booked & The tickets are proked but not necessarily paid for.
· Completed & The pooking is completed & with successful payment.
Fronts 1. Actions & Events/ Actions & · Start Booking & Triggers the transition from inactive state to Pending state. · Cancel Booking : Triggers the transition from any stelle to the cancelled state. e sellet monie / shoudine / Neals: Trigger the transition from

Penderny to In Progress state:

There confination: Iriggers the transition from In Progress

to Booked state. to Booked stell. o Complete Booking (Payment) & Trigger the transitive from booking to booked to completed state. P.T.O.

Preksha Patel

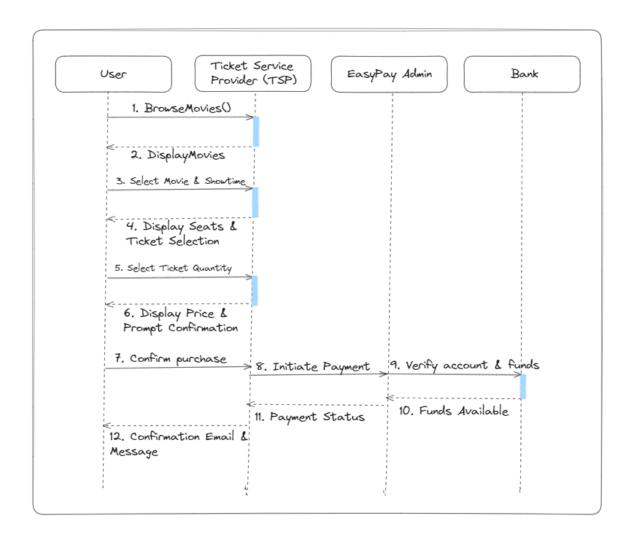
60004210126

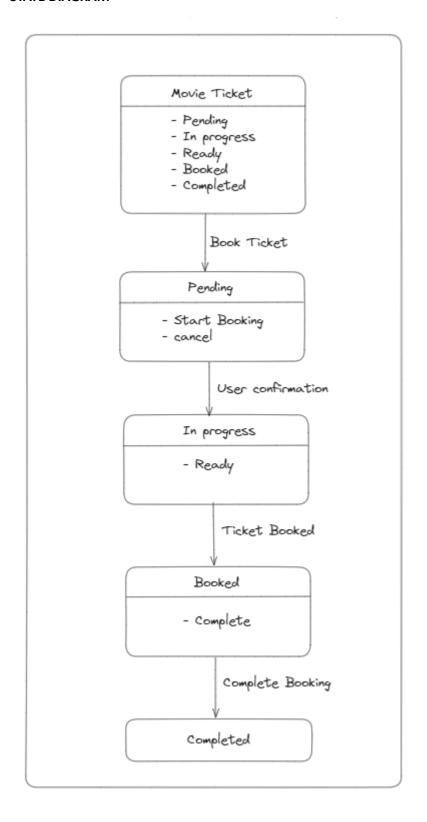
C2_1

B DIV

EXPERIMENT NO.:-05

SEQUENCE DIAGRAM





COLLABRATION DIAGRAM:

- 7. Confirm purchase
- 5. Select Ticket Quantity
- 3. Select Movie & Showtime

