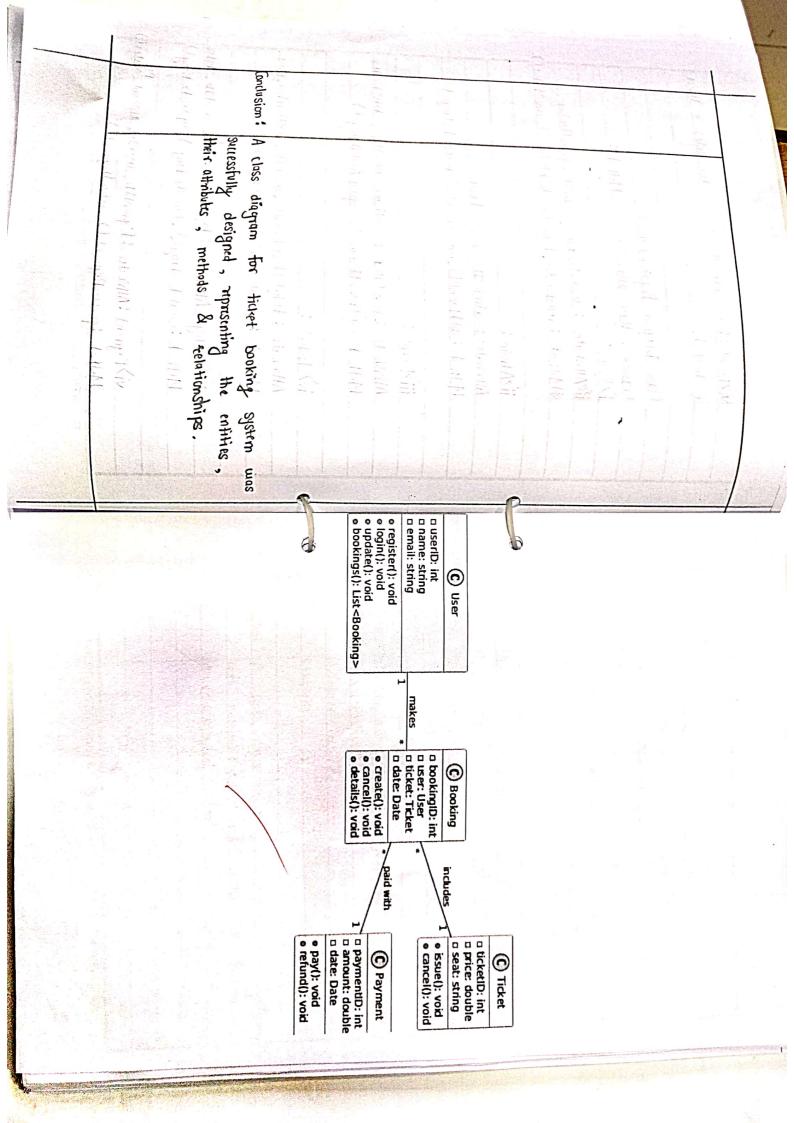
Aim:

**(F)** 

| the ticket booking system. | Demonstrate the class diagram to implement          |  |
|----------------------------|---|--|
| ticket booking system.     | Aim: Demonstrate the class diagram to implement the |  |

|  |   |  | (Co   |       |  |                              |          |                  |   |                                |
|--|---|--|---|-------|--|------------------------------|----------|------------------|---|--------------------------------|
| ST. VINO   |   |  |   |       |  |                              | Alignam. | About class      | Objective:  | Alm:                           |
| ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR - 441 108 | iii) Ticket: Contains details of the booking. | Key comparents of a liket broking yetron i | Austraneurs tidsets payments & baking details | Smura | Overview at a Tideet Booking system: A tidet booking system is a software application that allows users to look book manage & consol their tidests | & relationships between obje | C-B      | class discuss is | hooking system with Unified modeling language (UML) | e the class diagram to impleme |

|        | is booked.   |
|--------|--|
|        |  |
|        | Class Diagram Representation:  |
|        | Classes: their attributes & Methods:   |
|        | i>User:  |
|        | Attributes: userID name email phoneNumber.   |
|        | @Methods: register (), login (), bookticket (), cancelticket   |
|        | ii>Admin:  |
|        | Attributes: admin ID, name Email.  |
|        | Methods: add Event (), remove Event (), manage Bookings ()   |
|        | iii>Event:   |
|        | Attributes: event ID & Event Name - eventtype, date beating  |
|        | Methods: get Event Details () - update Avalia bility () -  |
| 1,00   | IV Ticketing & man for four four four four   |
|        | Attributes: ticket ID, event ID, wort ID, seat Number, price   |
|        | Methods: generate Truket (), getTruket Details ().   |
| 111-48 | The sales and the sales and the sales are th |
| 19     | V) Booking: Attributes: booking ID, USUTD, EVENTID, State  |
|        | Methods: (reate Backing (), cancel Booking (), update Booking  |
|        | Vi) Payment: Attributes: Payment ID, untrID, amount, States Methods: process Payment (), refund Payment (). NCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR-441 108   |



|  | Relationships between classes:   |
|--|--|
|  | A user can book multiple tickets (one-to-many)   |
|  | An Admin can manage multiple events (one-to-many)  |
|  | A Booking is associated with one user & one event  |
|  | (Many - to- one).  |
| 1  | A payment is linked to a booking lone-to-one   |
|  | Each ticket belongs to a particular event & is   |
|  | linked to a Booking (Many-to-Many) one)  |
|  | 477  |
|  | Diagram Representation:  |
|  | A class diagram for the ticket booking system  |
|  | Should include:  |
|  | i) Rectangles totl representing classes with altribu   |
|  | tes & methods.   |
| 7  | TCS & MRTHOUGH   |
|  | ii) Lines with appropriate coordinality [1:1, 1:10, M:1) to  |
| A CONTRACTOR OF THE PARTY OF TH | Show relationships   |
| 7  | iii) Arous including generalization, aggregation - ar  |
|  | a sovelation   |
|  |  |
| Conclusion:  | A class diagram for the tuket booking system   |
| 1834   | was sucressfully designed, representing the entities,  |
| 2.50 1.00/201  | their attributes methods & relationships   |
|  | The survive of the su |
| - 1  | 1 4 6/2 4/9 /  |
| 1 - 10 A A A A A A A A A A A A A A A A A A   |  |
| 1/4/13/1   | go/Non A   |
| W. With  | Cy Cy  |

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