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| **S.NO** | **CLASS** | **FIELDS** | **METHODS** | **DESIGN PATTERN** |
| 1. | Admin | Admin id, password, Moviename, genre, timings, theatre, place | Welcome and menu for admin(adding movies and theatres) |  |
| 2. | User | Userid, password, name, mailed, phone no, role, banking details | Welcome, menu page, search city and search theatre |  |
| 3. | Movie | Movies(hashmap), Moviename, genre, timings , location, theatre name, seat numbers | Add movie, add theatre, update timings, DisplayMovies, DisplayTheatres |  |
| 4. | Ticket | Location, theatre name, movie name, seat number, price and type(regular or VIP) | Ticket details , generate ticket, cancel ticket, print ticket |  |
| 4.1 | RegularTicket | movie name, seat number and type, price | generate ticket, cancel ticket, print ticket |  |
| 4.2 | VIPTicket | movie name, seat number and type, price | generate ticket, cancel ticket, print ticket |  |
| 5. | TicketFactory | Type, movie name, seat number | Create ticket (based on type) |  |
| 6. | BookingManager | Location, theatre name, movie name, seat number and type | Bookticket and cancel ticket | Singleton Pattern |
| 7. | BookingObserver | Name list, message | Booking observer, update | Observer Pattern |
| 8. | Pricing | Type and price | Pricing, regular pricing, VIP pricing and discount pricing | Strategy pattern |
| 9. | ExtraServices | Ticket, type , price and new price | Snack ticket, premium ticket(updating) | Decorator Pattern |
| 10. | Payment | Userid, name, mailed, phone no, price, banking details | Card payment, UPI payment and Payment Status, payment type pricing | Strategy pattern |

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| **ADMIN** |
| - Admin Id  - Password  - Moviename  - Genre  - Timings  - Theatre  - Place |
| + Welcome  + Menu  + Registration  + Login |

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| **USER** |
| - UserId  - Password  - Name  - Mailed  - Phone No  - Role  - Banking Details  - User(Hash map) |
| + Welcome  + Menu  + Registration  + Login  + Searchcity  + Searchtheatre |

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| **TICKET** |
| - Location  - Theatre Name  - Movie Name  - Seat Number  - Price  - Type(Regular Or VIP) |
| + Ticket Details  + Generate Ticket  + Cancel Ticket  + Print Ticket |

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| **TICKETFACTORY** |
| - Movie Name  - Seat Number  - Type(Regular Or VIP) |
| + Create Ticket (based on type) |

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| **BOOKINGMANAGER** |
| - Location  - Theatre Name  - Movie Name  - Seat Number  - Type(Regular Or VIP)  - Message |
| + BookTicket  + Cancel Ticket |

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| **MOVIE** |
| - Movies(Hash map)  - User Id  -Admin Id  - Moviename  - Genre  - Timings  - Location  - Theatre Name  - Seat Numbers  - Message |
| + Add Movie  + Add Theatre  + Update Timings  + DisplayMovies  + DisplayTheatres |

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| **PAYMENT** |
| - Userid  - Name  - Mailid  - Phone No  - Price  - Banking Details |
| + Card Payment  + UPI Payment  + Payment Status  + Payment Type Pricing |

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| **REGULARTICKET** |
| - Movie Name  - Seat Number  - Price  - Type(Regular Or VIP) |
| + Generate Ticket  + Cancel Ticket  + Print Ticket |

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| **VIPTICKET** |
| - Movie Name  - Seat Number  - Price  - Type(Regular Or VIP) |
| + Generate Ticket  + Cancel Ticket  + Print Ticket |

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| **BOOKINGOBSERVER** |
| - Name List  - Message |
| + Booking Observer(interface)  + Update |

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| **EXTRASERVICES** |
| - Ticket  - Type  - Price  - New Price |
| + Snack Ticket  + Premium(Updating) |

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| **PRICING** |
| - Price  - Type(Regular Or VIP) |
| + Pricing  + Regular Pricing, + VIP pricing  + Discount Pricing |