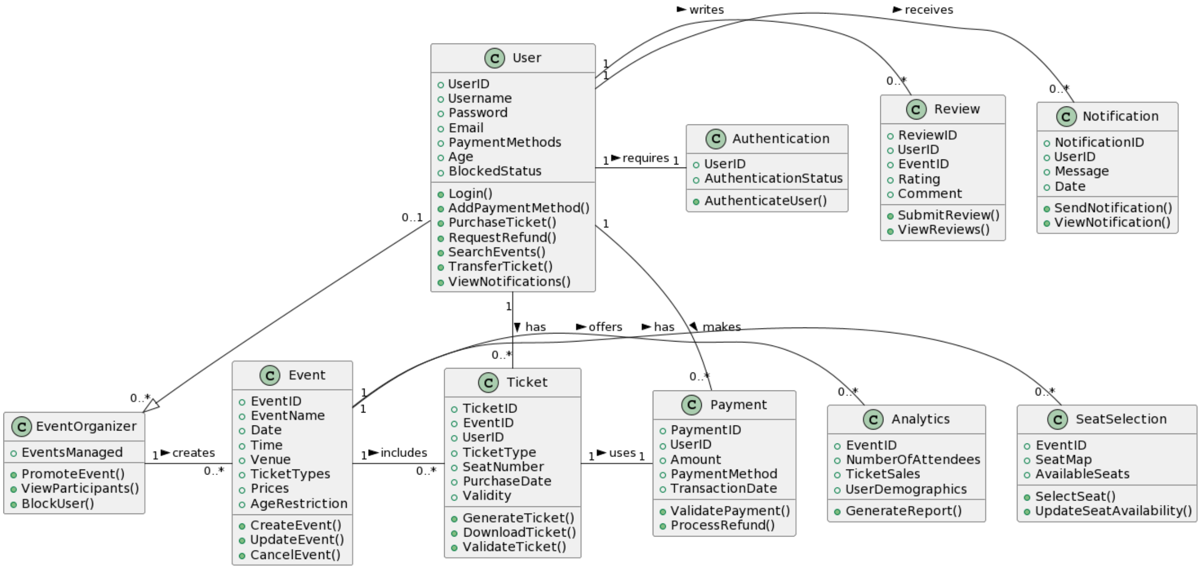
```
@startuml
class User {
  +UserID
  +Username
  +Password
  +Email
  +PaymentMethods
  +Age
  +BlockedStatus
  +Login()
  +AddPaymentMethod()
  +PurchaseTicket()
  +RequestRefund()
  +SearchEvents()
  +TransferTicket()
  +ViewNotifications()
}

class Event {
  +EventID
  +EventName
  +Date
  +Time
  +Venue
  +TicketTypes
  +Prices
  +AgeRestriction
  +CreateEvent()
  +UpdateEvent()
  +CancelEvent()
}

class Ticket {
  +TicketID
  +EventID
  +UserID
  +TicketType
  +SeatNumber
  +PurchaseDate
  +Validity
  +GenerateTicket()
  +DownloadTicket()
  +ValidateTicket()
}

class Payment {
  +PaymentID
  +UserID
  +Amount
  +PaymentMethod
  +TransactionDate
  +ValidatePayment()
  +ProcessRefund()
}

class EventOrganizer {
  +EventsManaged
  +PromoteEvent()
  +ViewParticipants()
  +BlockUser()
}

class Notification {
  +NotificationID
  +UserID
  +Message
  +Date
  +SendNotification()
  +ViewNotification()
}

class Review {
  +ReviewID
  +UserID
  +EventID
  +Rating
  +Comment
  +SubmitReview()
  +ViewReviews()
}

class Analytics {
  +EventID
  +NumberOfAttendees
  +TicketSales
  +UserDemographics
  +GenerateReport()
}

class Authentication {
  +UserID
  +AuthenticationStatus
  +AuthenticateUser()
}

class SeatSelection {
  +EventID
  +SeatMap
  +AvailableSeats
  +SelectSeat()
  +UpdateSeatAvailability()
}

User "1" - "0..*" Ticket : has >
User "1" - "0..*" Notification : receives >
User "1" - "0..*" Review : writes >
User "1" - "0..*" Payment : makes >
User "1" - "1" Authentication : requires >
User "0..1" -down-|> "0..*" EventOrganizer

Event "1" - "0..*" Ticket : includes >
Event "1" - "0..*" SeatSelection : offers >
Event "1" - "0..*" Analytics : has >
EventOrganizer "1" - "0..*" Event : creates >

Ticket "1" - "1" Payment : uses >
@enduml
```



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▼ has
► offers
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◄ makes
1
0..*
0..1