ONLINE RESERVATION SYSTEM'S CLASS DIAGRAM

User

-email: string
-password: string

+createAccount(email: string, password: string)
+login(email: string, password: string)
+resetPassword(email: string)
+activateAccount(verificationCode: string)

SocialMediaAuth

+authenticate(serviceProvider: string)

Reservation

-date: DateTime
-time: Time
-location: string

+search(date: DateTime, time: Time, location: string)
+getDetails(): ReservationDetails
+book(): ReservationConfirmation
+modify(): boolean
+cancel(): boolean

Payment

-method: string

+processPayment(amount: number): PaymentConfirmation
+refund(transactionID: string): boolean
+handleFailure(message: string)

EmailService

+sendConfirmation(email: string, subject: string, message: string)
+sendActivationLink(email: string, activationCode: string)

pays

books

association

activation

confirmation

paymentConfirmation