Payment Processor

paymentAccepted: Boolean
cost: Float

PaymentProcessor(hostID, cardInformation, cost)
generateReciept(hostID, cost): FPDF

Admin

removeUser(userID)
removeListing(listingID)
viewReports()
 manageUsers()

AuthenticationModule

userName: String
password: String

AuthenticationModule(name:String, password:String)
checkUserName(): Boolean
decryptPassword(): String
checkPassword(): Boolean

Host

description: String
 accomidation: String
 country: String
 requiredHelp: String
 title: String
 stateID: File
 datesAvailable: DateTime
 category: String
 learningOpportunities: String
 spokenLanguages: String[]
 cardInformation: String

appendLanguage(languages[?]): Void
removeLanguage(spokenLanguages[?]): Void
getRequiredHelp: String
setStateID(stateID): Void
setRequiredHelp():Void

Traveler

skills: String[]
dayBooked: DateTime
currentHost: Host
visitedHostsIDs: Int[]

sendMessage(userID, message)
leaveReview(hostID: int, content: String, rating: int): void

User

userID: integer
userName: String
phoneNumber: String
encryptedPassword: String
users: Array??
email: String
role: String

getName(): String
setName(name): String
setPhoneNumber(number): String
getEmail(): String
getPhoneNumber: String

MessageManager

messages: List<Message>

getConversation(otherID: int): Message[]

Message

messageID: int
 senderID: int
 receiverID: int
 content: String
 isRead: Boolean

Message(senderID: Int, recieverID: Int, content: String)
generateMessageID(): Int
sendMessage(content):boolean

DBConnection

host: String
username: String
password: String
databaseName: String
connection: mysqli

connect(): void
getConnection(): mysqli

Review

reviewID: int
travelerID: int
hostID: int
rating: int
comment: String
date: DateTime

Review(reviewID: int ,travelerID: int ,hostID: int
,rating: int ,comment: String ,date: DateTime)
Getters

Search

location: String
category: String
duration: String

setLocation():void
setCategory():void
setDuration():void
getLocation():String
getCategory():String
getDuration():String