

Principal model
-idActual:String
+Principal() +addFavoriteRoom1(String):Hotel +addFavoriteRoom2(String, User):void +addFavoriteRoomFinal(String):void +addHotelToCustomList(String, HotelsListed, User):void +addHotelToCustomListFinal(String, String):void +addNewUser(User, User):void +addNewUserFinal(User):void +addRecord(String, User):void +addRecordFinal(String):void +addReservedRoom(ReservedRoom, User):void +addReservedRoomFinal(ReservedRoom):void +addRoom():void +alphabeticalSortHotels():void +arrayRooms(String):ArrayList +arrayToText():ArrayList +changeDataFinal(String, String, String):void +changeEmail(String, User):void +changeName(String, User):void +changePhone(String, User):void +createCustomList1(String, User):void +createCustomListFinal(String):void +deleteRecord(User):void +deleteRecordFinal():void +findUser(String, User):User +generateUserArchive():void +getHotels():ArrayList +getIdActual():String +getUsers():User +init():void +loadHotels():void +loadUsers():void +reserveRoom(String, String):void +searchHotelById(String):Hotel +searchHotelByName(String):Hotel +searchHotelsByCity(String):ArrayList +searchHotelsWithAvaiblesRoom()ArrayList +searchUser(User, User):boolean +serializeHotelsAndRooms():void +setHotels(ArrayList<Hotel>):void +setIdActual(String):void +setUsers(User):void +signIn(String, String, User):boolean +signInFinal(String, String):User +sortHotelsByCity():void +sortHotelsByPriceRange():void +sortHotelsByScore():void +sortHotelsByStars():void

User model
-password:String -email:String -phoneNumber:String
+User(String, String, String, String, String, String, User, User) +addHotelToCustomList(String, HotelsListed):void +addNewFavoriteHotel(FavoriteHotel, FavoriteHotel):void +addNewFavoriteHotelFinal(Hotel):void +addRecordFinal(String):void +addReservedRoom(ReservedRoom):void +arrayToArchive(ArrayList<User>):void +compare(User, User):int +createNewCustomList(String):void +customListText():String +deleteRecord():void +favoriteHotelsText():String +getCustomList():ArrayList +getEmail():String +getfHotel():FavoriteHotel +getLeft():User +getPassword():String +getPhoneNumber():String +getRecord():SearchHistory +getRight():User +getRRooms():ReservedRoom +reservedRoomText():String +searchCustomListByName(String):CustomList +searchHistoryText():String +searchHotel(FavoriteHotel, FavoriteHotel):boolean +setCustomList(ArrayList<CustomList>):void +setEmail(String):void +setfHotel(FavoriteHotel):void +setLeft(User):void +setPassword(String):void +setPhoneNumber(String):void +setRecord(SearchHistory):void +setRight(User):void +setRRooms(ReservedRoom):void +sortListByName():void +toString():String

CustomList model
-listName: String
+CustomList(String, HotelsListed) +addHotelToList(Hotel):void +getHotelList():HotelsListed +getListName():String +hotelsListedText():String +searchHotelListed(String):boolean +setHotelList(HotelsListed):void +setListName(String):void +sortHotelsByCity():void +sortHotelsByName():void +sortHotelsByPriceRange():void +sortHotelsByScoreInDescendingOrder():void +sortHotelsByStarsInDescendingOrder():void +toString():String

PrincipalTest tests
+addFavoriteRoomAux(Hotel):boolean +addFavoriteRoomTest():void +addHotelToCustomListTest():void +addNewUserTestTrue():void +addRecordTest():void +createCustomListTest():void +deleteRecordTest():void +init():void +searchHotelByIdTest():void +searchHotelByNameTest():void +signInTest():void

UserTest tests
+addHotelToCustomListTest():void +addRecordTest():void +addReservedRoomTest():void +createNewCustomListTest():void +deleteRecordTest():void +init():void +reservedRoomAux(ReservedRoom):boolean +searchFavoriteHotelTestFalse():void +searchFavoriteHotelTestTrue():void

CustomListTest tests
+addHotelToListTest():void +init():void +searchHotelListedTestFalse():void +searchHotelListedTestTrue():void

