User

- id: String
-firstName: String
-lastName: String
-email: String
-role: String
-disabled: boolean

+ register()
+ disable()
+delete()

RegisterRenterActivity

-firstNameInput: EditText
-lastNameInput: EditText
-emailInput: EditText
-passwordInput: EditText
-registerButton: Button
-auth: FirebaseAuth
-db: DatabaseReference

+ onCreate()
+ registerRenter()
+ saveRenterToRealtimeDatabase()

RenterActivity

+onCreate()

+enableEdgeToEdge()

Item

- itemId: String
- name: String
- description: String
- fee: double
- timePeriod: String
- lessorId: String
- category: String
imageUrls: List

+ Item()
+ getItemId():
+ setItemId():
+ getName():
+ setName():
+ getDescription():
+ setDescription()

RegisterLessorActivity

-firstNameInput: EditText
-lastNameInput: EditText
-emailInput: EditText
-passwordInput: EditText
-registerButton: Button
-auth: FirebaseAuth
-db: DatabaseReference

+ onCreate()
+ registerLessor()
+ saveLessorToRealtimeDatabase()

LessorActivity

+onCreate()

+enableEdgeToEdge()

EditItem

- + onCreate():
+ fetchItem():

Admin

-buttonAddUser: Button
-buttonRemoveUser: Button
-database: DatabaseReference
-userId: String
-listViewUsers: ListView
-adapter: ArrayAdapter<String>
-userList: List<String>

+ addUser(): boolean
+ removeUser(): boolean
+ disableUser(): boolean
+ enableUser(): boolean
+ viewAllUsers(): List<User>
+ viewUserDetails(): User
+ updateUserRole(): boolean
+ generateReport(): Report

ListUserAcitvity

-buttonDisableUsers: Button
- buttonDeleteUsers: Button
- database: DatabaseReference
- selectedUserId: String
- listViewUsers: ListView
- adapter: ArrayAdapter<String>
- userDisplayList: List<String>
- userDataList: List<Map>

+ onCreate()
+ loadUsers()
+ DisableUsersActivity()
+ DeleteUsersActivity()

WelcomeActivity

+onCreate()

+enableEdgeToEdge()

AdminActivity

+onCreate()

+enableEdgeToEdge()

AdminDashboardAcitivty

+onCreate()
+ viewAllUsers()
+ viewUserDetails()
+ navigateToUserManagement()
+ navigateToReports()
+ logoutAdmin()

AdminLoginAcitivty

+onCreate()
+ loginAdmin(email:()
+navigateToAdminDashboard()
+showLoginError()

Category

- id: String
-name: String
-description: String

+ Category()
+ getId()
+ setId(id: String)
+ getName()
+ setName(name: String)
+ getDescription()
+ setDescription(description: String)

+ getFee():
+ setFee():
+ getTimePeriod()
 + setTimePeriod():
+ getLessorId():
+ setLessorId():

1

+ fetchItemDetails():
+ deleteItemByName()
+ validateFields():boolean

1

...*

EditCategory

- db: FirebaseFirestore
-categoriesRef:
- itemId: String
- categorySpinner: Spinner
- categories: ArrayList
- categoryAdapter: ArrayAdapter
- nameInput: EditText
- descriptionInput: EditText
- feeInput: EditText
- timePeriodInput: EditText

- + onCreate():
+ fetchCategories():
+ fetchItemDetails():
+ deleteItemByName()
+ validateFields():boolean

+ getFee():
+ setFee():
+ getTimePeriod()
+ getLessorId():
+ setLessorId():

1

+ fetchItemDetails():
+ deleteItemByName()
+ validateFields():boolean

- db: FirebaseFirestore