User

-firstName: String -lastName: String -emailAddress: String -password: String -phoneNumber: String -address: String

+getFirstName(): String
+setFirstName(firstName: String): void
+getLastName(): String
+setLastName(lastName: String): void
+getEmailAddress(): String
+setEmailAddress(emailAddress: String): void
+getPassword(): String
+setPassword(password: String): void
+getPhoneNumber(): String
+setPhoneNumber(phoneNumber: String): void
+getAddress(): String
+setAddress(address: String): void

Doctor

-employeeNumber: String
-specialties: String

+getEmployeeNumber(): String +setEmployeeNumber(employeeNumber: String): void +getSpecialties(): String +setSpecialties(specialties: String): void

RoleActivity

-registerAsPatientButton: Button -registerAsDoctorButton: Button -backButton1: Button

#onCreate(savedInstanceState: Bundle): void

MainActivity

-emailEditText: EditText -passwordEditText: EditText -signInButton: Button -registerButton: Button mAuth: FirebaseAuth fstore: FirebaseFirestore

+onStart(): void #onCreate(savedInstanceState: Bundle): void

Patient

-healthCardNumber: String

+getHealthCardNumber(): String +setHealthCardNumber(healthCardNumber: String): void

AdminRegistrationReguests

-recyclerView: RecyclerView
-userDetailsList: ArrayList<String>
-userIds: ArrayList<String>
-backButton: Button
-adapter: UserAdapter
-firestore: FirebaseFirestore

#onCreate(savedInstanceState: Bundle): void

UserAdapter

-context: Context -users: ArrayList<String> -userIds: ArrayList<String> -firestore: FirebaseFirestore

+onCreateViewHolder(parent: NonNull
ViewGroup, viewType: int):
UserAdapter.UserHolder
+onBindViewHolder(holder: NonNull
UserAdapter.UserHolder, position: int): void
+getItemCount(): int
-moveUserToCollection(userId: String,
collectionName: String): void

WelcomeActivity

-logOutButton: Button mAuth: FirebaseAuth

#onCreate(savedInstanceState: Bundle): void

AdminWelcomeActivity

-logOutButton: Button
-registationRequestsButton: Button
-rejectedUsersButton: Button
mAuth: FirebaseAuth

#onCreate(savedInstanceState: Bundle): void

DoctorWelcomeActivity

-logOutButton: Button -doctorStatus: TextView -mAuth: FirebaseAuth -fstore: FirebaseFirestore

#onCreate(savedInstanceState: Bundle): void -checkUserStatus(): void -checkUserInCollection(userId: String, collection: String, status: String): void

PatientWelcomeActivity

-logOutButton: Button -patientStatus: TextView -mAuth: FirebaseAuth -fstore: FirebaseFirestore

#onCreate(savedInstanceState: Bundle): void -checkUserStatus(): void -checkUserInCollection(userId: String, collection: String, status: String): void

UserHolder

-textName: TextView -textRole: TextView -acceptButton: Button -denyButton: Button

setDetails(user: String, userId: String): void

AdminDeniedRequestsActivity

-recyclerView: RecyclerView
-userDetailsList: ArrayList<String>
-userIds: ArrayList<String>
-backButton: Button
-adapter: UserAdapter
-firestore: FirebaseFirestore

#onCreate(savedInstanceState: Bundle): void

DoctorRegistrationActivity

-firstNameInput: EditText
-lastName: EditText
-emailAddress: EditText
-homeAddress: EditText
-userPassword: EditText
-phoneNumber: EditText
-healthCardNumber: EditText
-submitButton2: Button
-backButton2: Button
mAuth: FirebaseAuth
pendingFiretore: FirebaseFirestore

+onStart(): void
#onCreate(savedInstanceState: Bundle): void
-validateFields(first: String, last: String, email:
 String, address: String, password: String,
 phone: String, healthCard: String): bool
 -isValidName(name: String): bool
 -isValidEmail(email: String): bool
 -isValidPhone(phone: String): bool
 -isValidEmployee(empNumber: String): bool
 -isValidAddress(address: String): bool
 -isValidSpecialty(docSpecialties: String): bool

PatientRegistrationActivity

-firstNameInput: EditText
-lastName: EditText
-emailAddress: EditText
-homeAddress: EditText
-userPassword: EditText
-phoneNumber: EditText
-healthCardNumber: EditText
-submitButton: Button
-backButton: Button
mAuth: FirebaseAuth
pendingFiretore: FirebaseFirestore

+onStart(): void
#onCreate(savedInstanceState: Bundle): void
-validateFields(first: String, last: String, email:
String, address: String, password: String,
phone: String, healthCard: String): bool
-isValidName(name: String): bool
-isValidEmail(email: String): bool
-isValidPassword(password: String): bool
-isValidPhone(phone: String): bool
-isValidCard(healthCard: String): bool
-isValidAddress(address: String): bool

Admin Registration Requests Activity

-recyclerView: RecyclerView
-userDetailsList: ArrayList<String>
-userIds: ArrayList<String>
-backButton: Button
-adapter: UserAdapter
-firestore: FirebaseFirestore

#onCreate(savedInstanceState: Bundle): void