UML Class Diagram

Tutor

- -firstNeme: String
- -lastName: String
- -email: String
- -educationLevel: String
- -nativeLanguage: String
- -description: String

- +Tutor()
- +Tutor(String tutorId,String firstName, String lastName, String email, String educationLevel, String nativeLanguage, String description)
- + getFirstName(): String
- + getLastName(): String
- + getEmail(): String
- + getEducationLevel(): String
- + getNativeLanguage(): String
- + getDescription(): String

Register

- -studentbtn: Button
- -tutorbtn: Button

- #onCreate(Bundle savedInstanceState): void

MainActivity

- -registerbtn: Button
- -loginbtn: Button

- #onCreate(Bundle savedInstanceState): void

LogIn

- - userNameET: EditText
- - passwordET: EditText
- - loginButton: Button
- mAuth: FirebaseAuth

- +onStart(): void
- #onCreate(Bundle savedInstanceState): void
- - isValidAdmin(String userName, String password): boolean

StudentRegister

- - firstNameEditText: EditText
- - lastNameEditText: EditText
- - emailEditText: EditText
- - passwordEditText: EditText
- - addressEditText: EditText
- - registerButton: Button
- - cardNumberEditText: EditText
- - cvvEditText: EditText
- - holderNameEditText: EditText
- - mAuth: FirebaseAuth

- #onCreate(Bundle savedInstanceState): void
- - register(): void

AppCompatActivity

Student

- -firstNeme: String
- -lastName: String
- -email: String
- -address: String
- -cardNumber: String
- -HolderName: String
- cvv: String

- +Student()
- +Stuent (String firstName, String lastName, String email, String address, String cardNumber, String holderName, String cvv)
- +getFirstName():String
- +getLastName(): String
- +getEmail(): String
- +getAddress(): String
- +getCardNumber(): String
- +getHolderName(): String
- +getCvv(): String

ComplaintList

- - context: Activity
- -complaints: List<Complaint>

- +ComplaintList(Activity context, List<Complaint complaints>)
- +getView(int position, View convertView, ViewGroup parent): View

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adminHome

- - logoutButton: Button
- - auth: FirebaseAuth
- - user: FirebaseUser
- - textView: TextView
- - listViewComplaints: ListView
- - complaintsRef: DatabaseReference

- #onCreate(Bundle savedInstanceState): void
- - logout(): void
- -displayAllComplaints(): void
- -showComplaintDialog(final Complaint complaint): void
- - showSuspensionDialog(final Complaint complaint): void
- -suspendTutor(Complaint complaint, int durationInHours): void
- -dismissComplaint(Complaint complaint):void

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home

- - logoutButton: Button
- - textView: TextView
- -messagetextview: TextView
- - auth: FirebaseAuth
- - user: FirebaseUser
- - userTypeRef: DatabaseReference
- -suspensionEndTimeRef: DatabaseReference

- #onCreate(Bundle savedInstanceState): void
- -logout(): void
- -checkSuspensionStatus(): void

Tutor Register

- - firstNameEditText: EditText
- - lastNameEditText: EditText
- - emailEditText: EditText
- - passwordEditText: EditText
- - educationLevelSpinner: Spinner
- - nativeLanguageSpinner: Spinner
- - descriptionEditText: EditText
- - registerButton: Button
- - mAuth:FirebaseAuth
- BSelectImage: Button
- - IVPreviewImage: ImageView

- #onCreate(Bundle savedInstanceState): void
- imageChooser: void
- + onActivityResult: void
- -register: void

Complaint

- - complaintID: String
- -tutorId: String
- -description: String
- -timestamp: Date
- -suspended: bool

- +Complaint(String complaintId, String tutorId, String description, Date timestamp)
- +getComplaintId(): String
- +setCopmplaintId(String complaintId): void
- +getTutorId(): String
- +setTutorId(): void
- +getDesctiption(): String
- +setDescription (String description): void
- +isSuspended(): bool
- +setSuspended: void

Relationships:

- <<extends>>
- view
- action
- extends ArrayAdapter<<Complaint>>