

WelcomePage
+ attribute1:type = defaultValue + attribute2:type - attribute3:type
+ operation1(params):returnType - operation2(params) - operation3()

SignUp
+ attribute1:type = defaultValue + attribute2:type - attribute3:type
+ operation1(params):returnType - operation2(params) - operation3()

LoginPage
+ attribute1:type = defaultValue + attribute2:type - attribute3:type
+ operation1(params):returnType - operation2(params) - operation3()

SetProfile
- editUsername: EditText - editCity: EditText - viewEmail: TextView - displayTag1: TextView - displayTag2: TextView - displayTag3: TextView - selectPlatformTxt: TextView - selectGenreTxt: TextView - spinnerState: Spinner - spinnerPlatform: Spinner - spinnerGenre: Spinner - onClickNewTag: TextView - confirmbtn: Button - state: String - username = "": String - email: String - displayEmail: String - getPlatform = "": String - getGenre = "": String - tag1 = "": String - tag2 = "": String - tag3 = "": String - temp: String - stateAdapter: ArrayAdapter<CharSequence> - platformAdapter: ArrayAdapter<CharSequence> - genreAdapter: ArrayAdapter<CharSequence> + userID = firebaseUser.getId(): String + firebaseAuth = FirebaseAuth.getInstance(): FirebaseAuth + firebaseDatabase = FirebaseDatabase.getInstance(): FirebaseDatabase + firebaseUser = firebaseAuth.getCurrentUser(): FirebaseUser - databaseReference = firebase.Database.getReference(): DatabaseReference
- onCreate(_ savedInstanceState: Bundle): void + loadViews(): void + loadSpinners(): void + loadTagsOptions(): void + loadListeners(): void - isDupe(): boolean - setTag(): void - saveUserInfo(): void + onClick(_ view: View): void + onBackPressed(): void

Messages
- messageListBtn:Button + firebaseAuth:FirebaseAuth
+ onCreateView(_ inflater:LayoutInflater, _ container:ViewGroup, _ savedInstanceState:Bundle):View + onClick(_ view:View):void - setOnClick():void - toClass(_ next:Class):void

MatchUser
-matchBtn:Button -returnBtn:Button -firebaseDatabase:FirebaseDatabase -databaseReference:DatabaseReference -currentUser:FirebaseUser -tag1:String -tag2:String -tag3:String -uTag1:String -uTag2:String -uTag3:String -key:String -matchPercent:double -userInformation:UserInformation -userTags:ArrayList<String> -result:List<String> -userMap:Map<String, List>
#onCreate(_ savedInstanceState:Bundle):void -percentTag(matchedTagsTot:double, usersTagsTot:double):double +onClick(_ v:view):void

HomePage
+ attribute1:type = defaultValue + attribute2:type - attribute3:type
+ operation1(params):returnType - operation2(params) - operation3()

Account
- txt_username: TextView - txt_email: TextView - txt_city: TextView - txt_state: TextView - et_username: EditText - et_city: EditText - spinner_state: Spinner - logoutBtn: Button - editProfile_btn: Button - confirmBtn: Button - firebaseUser: FirebaseUser - firebaseAuth = firebaseAuth.getInstance(): FirebaseAuth - databseReference: DatabaseReference - userID: firebaseUser - adapter_state: ArrayAdapter<CharSequence>
- viewEmail,
- loadUserInfo(): void - loadListeners(): void - confirmChanges(): void - logOut(): void - onClick(_ view: View): void

Forget Password
+ backBtn: Button + resetBtn: Button + enterEmail: EditText + firebaseAuth: FirebaseAuth
- setOnClick(): void - toClass(_ next: Class): void - onClick(_ view: View): void

Tags
+ backBtn: Button + resetBtn: Button + enterEmail: EditText + firebaseAuth: FirebaseAuth
- setOnClick(): void - toClass(_ next: Class): void - onClick(_ view: View): void

ApplozicAPI
- firebaseUser:FirebaseUser - mAuthTask:UserLoginTask
onCreate(_ savedInstanceState:Bundle):void + attemptLoginAPI(authenticationType:User.AuthenticationType, _ userID:String, _ name:String, _ email:String, _ pass:String)

User
- uid:String - username:String - email:String
+ User() + User(_ uid:String, _ name:String, _ email:String) +getUid(): String +getEmail(): String +setUid(_ uid:String): void +setEmail(Email:String): void

UserInformation
-username:String -city:String -state:String -tag1:String -tag2:String -tag3:String
+UserInformation() +UserInformation(_ username:String, _ city:String, _ state:String, _ tag1:String, _ tag2:String, _ tag3:String) +getUsername(): String +getCity():String +getState():String +getTag1():String +getTag2():String +getTag3():String +setUsername(_ username:String):void +setCity(_ city:String):void +setState(_ state:String):void +setTag1(_ tag1:String):void +setTag2(_ tag2:String):void +setTag3(_ tag3:String):void