

## + LoginManager

[-] fields

~ sharedPreferences: SharedPreferences  
~ gameDB: SQLiteDatabase...  
~ context: Context

[-] construct...

~ LoginManager(context: Context, gameDB: SQLiteDatabase..., sharedPreferences: SharedPreferences)

[-] methods

+ notifyLoginSuccess(username: String): void  
+ attemptLogin(username: String, password: String): boolean  
+ attemptSignup(username: String, password: String): boolean

## + GenerateDataBase

[-] fields

~ gameDB: SQLiteDatabase...

[-] construct...

~ GenerateDataBase(gameDB: SQLiteDatabase...)

[-] methods

+ GenerateTables(): void

## + Startup exten... AppCompatActivity

[-] fields

[-] construct...

[-] methods

# onCreate(savedInstanceState: Bundle?): void

## + MainActivity exten... AppCompatActivity

[-] fields

~ btnSignUp: Button  
~ btnLogin: Button  
~ editTextUserNa... : EditText  
~ editTextPassw... : EditText  
~ gameDB: SQLiteDatabase...  
~ currUserName: String  
~ currPassword: String  
~ user: String  
~ sharedPreferences: SharedPreferences  
~ generateDataB... : GenerateDataBase...  
~ loginManager: LoginManager

[-] construct...

[-] methods

# onCreate(savedInstanceState: Bundle?): void  
+ btnSignUpFunc(view: View): void  
+ btnLoginFunc(view: View): void  
+ hideKeyboard(view: View): void  
+ goHomePage(): void