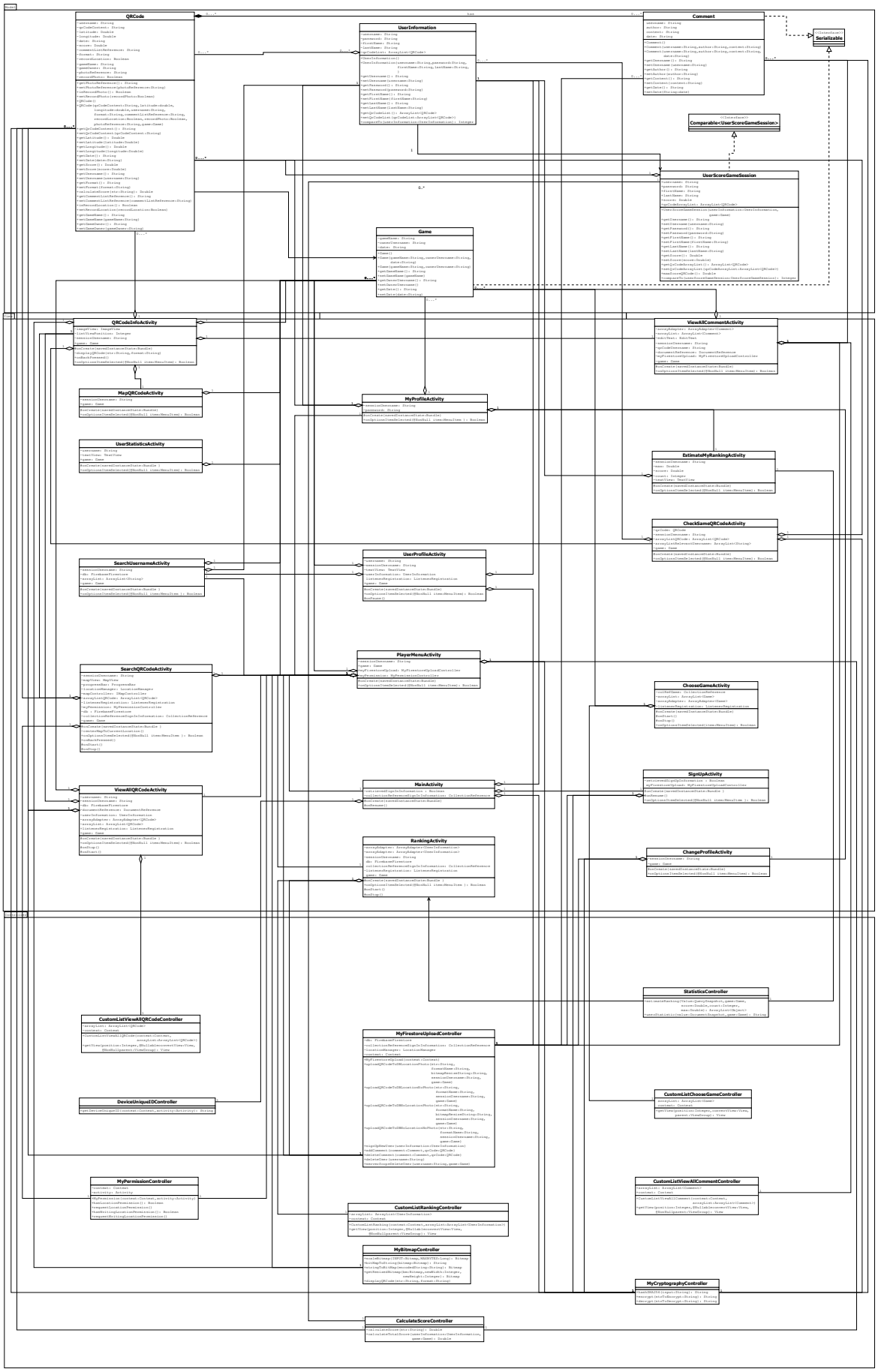
QRCode
-username: String
-gameName: String
-latitude: Double
-longitude: Double
-date: String
-score: Double
-commentListReference: String
-format: String
-recordLocation: Boolean
-gameName: String
-gameOwner: String
-photoReference: String
-recordPhoto: Boolean
+getPhotoReference():String
+setPhotoReference(photoReference:String)
+isRecordPhoto():Boolean
+setRecordPhoto(recordPhoto:Boolean)
+QRCode()
+QRCode(qrCodeContent:String,latitude:double,
longitude:double,username:String,
format:String,commentListReference:String,
recordLocation:Boolean,recordPhoto:Boolean,
photoReference:String,game:Game)
+getQrCodeContent():String
+setQrCodeContent(qrCodeContent:String)
+getLatitude():Double
+setLatitude(latitude:Double)
+getLongitude():Double
+setLongitude(longitude:Double)
+getDate():String
+setDate(date:String)
+getScore():Double
+setScore(score:Double)
+getUsernam():String
+setUsernam(username:String)
+getFormat():String
+setFormat(format:String)
+calculateScore(str:String):Double
+getCommentListReference():String
+setCommentListReference(commentListReference:String)
+isRecordLocation():Boolean
+setRecordLocation(recordLocation:Boolean)
+getGameName():String
+setGameName(gameName:String)
+getGameOwner():String
+setGameOwner(gameOwner:String)
UserInformation
-username: String
-password: String
-firstName: String
-lastName: String
-qrCodeList: ArrayList<QRCode>
+UserInformation()
+UserInformation(username:String,password:String,
firstName:String,lastName:String,
)
+getUsernam():String
+setUsernam(username:String)
+getPassword():String
+setPassword(password:String)
+getFirstName():String
+setFirstName(firstName:String)
+getLastName():String
+setLastName(lastName:String)
+getQrCodeList():ArrayList<QRCode>
+setQrCodeList(qrCodeList:ArrayList<QRCode>)
+compareTo(userInformation:UserInformation):Integer
Comment
-username: String
-content: String
-content: String
-date: String
+Comment()
+Comment(username:String,author:String,content:String)
+Comment(username:String,author:String,content:String,
date:String)
+getUsernam():String
+setUsernam(username:String)
+getAuthor():String
+setAuthor(author:String)
+getContent():String
+setContent(content:String)
+getDate():String
+setDate(date:String)
<interface>
Serializable
<interface>
Comparable<UserScoreGameSession>
UserScoreGameSession
-username: String
-password: String
-firstName: String
-lastName: String
-score: Double
-qrCodeArrayList: ArrayList<QRCode>
+UserScoreGameSession(userInformation:UserInformation,
game:Game)
+getUsernam():String
+setUsernam(username:String)
+getPassword():String
+setPassword(password:String)
+getFirstName():String
+setFirstName(firstName:String)
+getLastName():String
+setLastName(lastName:String)
+getScore():Double
+setScore(score:Double)
+getQrCodeArrayList():ArrayList<QRCode>
+setQrCodeArrayList(qrCodeArrayList:ArrayList<QRCode>)
+setScore(QRCode):Double
+compareTo(userScoreGameSession:UserScoreGameSession):Integer
Game
-gameName: String
-ownerUsernam: String
-date: String
+Game()
+Game(gameName:String,ownerUsernam:String,
date:String)
+Game(gameName:String,ownerUsernam:String)
+getGameName():String
+setGameName(gameName)
+getOwnerUsernam():String
+setOwnerUsernam()
+getDate():String
+setDate(date:String)
QRCodeInfoActivity
-imageView: ImageView
-listViewPosition: Integer
-sessionUsernam: String
-game: Game
#onCreate(savedInstanceState:Bundle)
+setUsernamAndPhoto(str:String,format:String)
+onBackPressed()
#onOptionsItemSelected(@NonNull item:MenuItem) : Boolean
ViewAllCommentActivity
-arrayAdapter: ArrayAdapter<Comment>
-arrayList: ArrayList<Comment>
-editText: EditText
-commentContent: String
-qrCodeUsernam: String
-documentReference: DocumentReference
-myFirestoreUpload: MyFirestoreUploadController
-game: Game
#onCreate(savedInstanceState:Bundle)
+onOptionsItemSelected(@NonNull item:MenuItem) : Boolean
MapQRCodeActivity
-sessionUsernam: String
-game: Game
#onCreate(savedInstanceState:Bundle)
+onOptionsItemSelected(@NonNull item:MenuItem) : Boolean
MyProfileActivity
-sessionUsernam: String
#onCreate(savedInstanceState:Bundle)
+onOptionsItemSelected(@NonNull item:MenuItem) : Boolean
UserStatisticsActivity
-username: String
-textView: TextView
-game: Game
#onCreate(savedInstanceState:Bundle)
+onOptionsItemSelected(@NonNull item:MenuItem) : Boolean
EstimateMyRankingActivity
-sessionUsernam: String
-max: Double
-score: Double
-count: Integer
-textView: TextView
#onCreate(savedInstanceState:Bundle)
+onOptionsItemSelected(@NonNull item:MenuItem) : Boolean
CheckSameQRCodeActivity
-qrCode: QRCode
-sessionUsernam: String
-arrayListQRCode: ArrayList<QRCode>
-arrayListReferenceUsernam: ArrayList<String>
-game: Game
#onCreate(savedInstanceState:Bundle)
+onOptionsItemSelected(@NonNull item:MenuItem) : Boolean
SearchUsernameActivity
-sessionUsernam: String
-db: FirebaseFirestore
-arrayList: ArrayList<String>
-game: Game
#onCreate(savedInstanceState:Bundle)
+onOptionsItemSelected(@NonNull item:MenuItem) : Boolean
UserProfileActivity
-username: String
-sessionUsernam: String
-textView: TextView
-userInformation: UserInformation
-listenerRegistration: ListenerRegistration
-game: Game
#onCreate(savedInstanceState:Bundle)
+onOptionsItemSelected(@NonNull item:MenuItem) : Boolean
#onPause()
PlayerMenuActivity
-sessionUsernam: String
-game: Game
-myFirestoreUpload: MyFirestoreUploadController
-myPermission: MyPermissionController
#onCreate(savedInstanceState:Bundle)
+onOptionsItemSelected(@NonNull item:MenuItem) : Boolean
SearchQRCodeActivity
-sessionUsernam: String
-mapView: MapView
-progressBar: ProgressBar
-locationManager: LocationManager
-mapController: IMapController
-arrayList:ArrayList<QRCode>
-listenerRegistration: ListenerRegistration
-myPermission: MyPermissionController
-db : FirebaseFirestore
-collectionReferenceSignInInformation: CollectionReference
-game: Game
#onCreate(savedInstanceState:Bundle)
+onPause()
+onOptionsItemSelected(@NonNull item:MenuItem) : Boolean
+onBackPressed()
#onStart()
#onStop()
ChooseGameActivity
-mdbRefGame: CollectionReference
-arrayList: ArrayList<Game>
-arrayAdapter: ArrayAdapter<Game>
-listenerRegistration: ListenerRegistration
#onCreate(savedInstanceState:Bundle)
#onStart()
#onStop()
+onOptionsItemSelected(item:MenuItem) : Boolean
ViewAllQRCodeActivity
-username: String
-sessionUsernam: String
-mapView: MapView
-documentReference: DocumentReference
-userInformation: UserInformation
-arrayAdapter: ArrayAdapter<QRCode>
-arrayList: ArrayList<QRCode>
-listenerRegistration: ListenerRegistration
-game: Game
#onCreate(savedInstanceState:Bundle)
+onOptionsItemSelected(@NonNull item:MenuItem) : Boolean
#onStop()
#onStart()
MainActivity
-isviewSignInInformation : Boolean
-collectionReferenceSignInInformation: CollectionReference
#onCreate(savedInstanceState:Bundle)
#onPause()
SignUpActivity
-isviewedSignUpInformation : Boolean
-myFirestoreUpload: MyFirestoreUploadController
#onCreate(savedInstanceState:Bundle)
#onPause()
+onOptionsItemSelected(@NonNull item:MenuItem) : Boolean
RankingActivity
-arrayAdapter: ArrayAdapter<UserInformation>
-arrayAdapter: ArrayAdapter<UserInformation>
-sessionUsernam: String
-db: FirebaseFirestore
-collectionReferenceSignInInformation: CollectionReference
-listenerRegistration: ListenerRegistration
-game: Game
#onCreate(savedInstanceState:Bundle)
+onOptionsItemSelected(@NonNull item:MenuItem) : Boolean
#onStart()
#onStop()
ChangeProfileActivity
-sessionUsernam: String
-game: Game
#onCreate(savedInstanceState:Bundle)
+onOptionsItemSelected(@NonNull item:MenuItem) : Boolean
StatisticsController
+calculateRanking(value:QuerySnapshot,game:Game,
score:Double,count:Integer,
max:Double):ArrayList<Object>
+setStatistics(value:DocumentSnapshot,game:Game):String
CustomListViewAllQRCodeController
-arrayList: ArrayList<QRCode>
-context: Context
+CustomListViewAllQRCode(context:Context,
arrayList:ArrayList<QRCode>)
+getView(position:Integer,@NullableconvertView:View,
@NonNullparent:ViewGroup) : View
MyFirestoreUploadController
-db: FirebaseFirestore
-collectionReferenceSignInInformation: CollectionReference
-locationManager: LocationManager
-context: Context
#MyFirestoreUpload(context:Context)
+uploadQRCodeToDBLocationPhoto(str:String,
fileNameFlag:String,
bitmapBeanBeforeImg:String,
sessionUsernam:String,
game:Game)
+uploadQRCodeToDBLocationOnPhoto(str:String,
fileNameFlag:String,
sessionUsernam:String,
game:Game)
+uploadQRCodeToDBNoLocationPhoto(str:String,
fileNameFlag:String,
bitmapBeanBeforeImg:String,
sessionUsernam:String,
game:Game)
+uploadQRCodeToDBNoLocationNoPhoto(str:String,
fileNameFlag:String,
sessionUsernam:String,
game:Game)
+writeQRNewUser(userInformation:UserInformation)
+addComment(comment:Comment,qrCode:QRCode)
+deleteComment(comment:Comment,qrCode:QRCode)
+deleteUser(username:String)
+searchingWhetherExist(username:String,game:Game)
CustomListChooseGameController
-arrayList: ArrayList<Game>
-context: Context
+getView(position:Integer,convertView:View,
parent:ViewGroup) : View
DeviceUniqueIDController
+getDeviceUniqueID(context:Context,activity:Activity): String
MyPermissionController
-context: Context
-activity: Activity
+MyPermission(context:Context,activity:Activity)
+hasLocationPermission():Boolean
+hasWriteLocationPermission()
+requestWriteLocationPermission()
CustomListViewAllCommentController
-arrayList: ArrayList<Comment>
-context: Context
+CustomListViewAllComment(context:Context,
arrayList:ArrayList<Comment>)
+getView(position:Integer,@NullableconvertView:View,
@NonNullparent:ViewGroup) : View
CustomListRankingController
-arrayList: ArrayList<UserInformation>
-context: Context
+CustomListRanking(context:Context,arrayList:ArrayList<UserInformation>)
+getView(position:Integer,@NullableconvertView:View,
@NonNullparent:ViewGroup) : View
MyBitmapController
+scaleBitmap(INPUT:Bitmap,MAXPIXEL:Long): Bitmap
+bitMapToString(bitmap:Bitmap) : String
+stringToBitMap(encoded:String) : Bitmap
+scaleBitmap(bm:Bitmap,newWidth:Integer,
newHeight:Integer): Bitmap
+decodeQRCode(str:String,format:String)
MyCryptographyController
+encrypt(strToEncrypt:String) : String
+decrypt(strToDecrypt:String) : String
CalculateScoreController
+calculateScore(str:String): Double
+calculateTotalScore(userInformation:UserInformation,
game:Game): Double