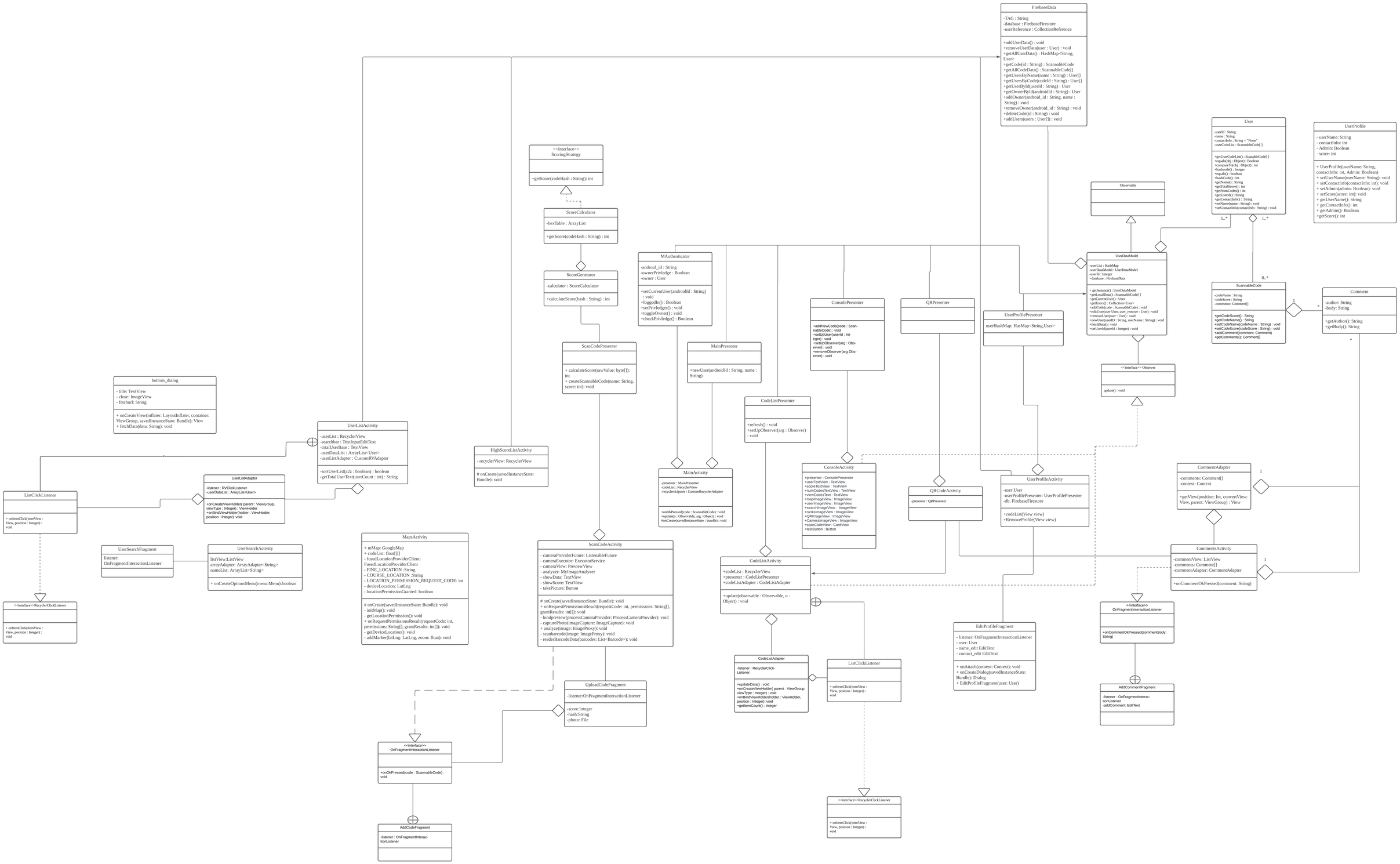
FirebaseData
-TAG : String
-database : FirebaseFirestore
-userReference : CollectionReference
+addUserData() : void
+removeUserData(user : User) : void
+getAllUserData() : HashMap<String, User>
+getCode(id : String) : ScannableCode
+getAllCodeData() : ScannableCode[]
+getUsersByName(name : String) : User[]
+getUsersByCode(codeId : String) : User[]
+getUserById(userId : String) : User
+getOwnerById(androidId : String) : User
+addOwner(android_id : String, name : String) : void
+removeOwner(android_id : String) : void
+deleteCode(id : String) : void
+addUsers(users : User[]) : void
<<interface>>
ScoringStrategy
+getScore(codeHash : String): int
ScoreCalculator
-hexTable : ArrayList
+getScore(codeHash : String) : int
ScoreGenerator
-calculator : ScoreCalculator
+calculateScore(hash : String) : int
MAuthenticator
-android_id : String
-ownerPrivledge : Boolean
-owner : User
+setCurrentUser(androidId : String) : void
+loggedIn() : Boolean
+setPrivledges() : void
+toggleOwner() : void
+checkPrivledge() : Boolean
ConsolePresenter
+addNewCode(code : ScannableCode) : void
+setUpUser(userId : Integer) : void
+setUpObserver(arg : Observer) : void
+removeObserver(arg Observer) : void
QRPresenter
UserProfilePresenter
userHashMap: HasMap<String,User>
Observable
User
-userId : String
-name : String
-contactInfo : String = "None"
-userCodeList : ScannableCode[ ]
+getUserCodeList() : ScanableCode[ ]
+equals(obj : Object) : Boolean
+compareTo(obj : Object) : int
+hashcode() : Integer
+equals() : boolean
+hashCode() : int
+getName() : String
+getTotalScore() : int
+getNumCodes() : int
+getUserId() : String
+getContactInfo() : String
+setName(name : String) : void
+setContactInfo(contactInfo : String) : void
UserProfile
- userName: String
- contactInfo: int
- Admin: Boolean
- score: int
+ UserProfile(userName: String, contactInfo: int, Admin: Boolean)
+ setUserName(userName: String): void
+ setContactInfo(contactInfo: int): void
+ setAdmin(admin: Boolean): void
+ setScore(score: int): void
+ getUserName(): String
+ getContactInfo(): int
+ getAdmin(): Boolean
+getScore(): int
UserDataModel
-userList : HashMap
-userDataModel : UserDataModel
-userId : Integer
+database : FirebaseData
+ getInstance() : UserDataModel
+getLocalData() : ScannableCode[ ]
+getCurrentUser() : User
+getUsers() : Collection<User>
+addCode(code : ScannableCode) : void
+editUser(user User, user_remove : User) : void
+removeUser(user : User) : void
+newUser(userID : String, userName : String) : void
+fetchMap() : void
+setUserId(userId : Integer) : void
1..*
1..*
0..*
ScannableCode
-codeName : String
-codeScore : String
-comments: Comment[]
+getCodeScore() : String
+getCodeName() : String
+setCodeName(codeName : String) : void
+setCodeScore(codeScore : String) : void
+addComment(comment: Comment)
+getComments(): Comment[]
1
*
Comment
-author: String
-body: String
+getAuthor(): String
+getBody(): String
*
<<interface>> Observer
update() : void
bottom_dialog
- title: TextView
- close: ImageView
- fetchurl: String
+ onCreateView(inflater: LaycoutInflater, container: ViewGroup, savedInstanceState: Bundle): View
+ fetchData(data: String): void
ScanCodePresenter
+ calculateScore(rawValue: byte[]): int
+ createScannableCode(name: String, score: int): void
MainPresenter
+newUser(androidId : String, name : String)
CodeListPresenter
+refresh() : void
+setUpObserver(arg : Observer) : void
UserListActivity
-userList : RecyclerView
-searchbar : TextInputEditText
-totalUserBase : TextView
-userDataList : ArrayList<User>
-userListAdapter : CustomRVAdapter
-sortUserList(a2z : boolean) : boolean
-getTotalUserText(userCount : int) : String
HighScoreListActivity
- recyclerView: RecyclerView
onCreate(savedInstanceState: Bundle): void
MainActivity
-presenter : MainPresenter
-codeList : RecyclerView
-recyclerAdpater : CustomRecyclerAdapter
+onOkPressed(code : ScannableCode) : void
+update(o : Observable, arg : Object) : void
#onCreate(savedInstanceState : bundle) : void
ConsoleActivity
+presenter : ConsolePresenter
+userTextView : TextView
+scoreTextView : TextView
+numCodesTextView : TextView
+viewCodesText : TextView
+mapImageView : ImageView
+userImageView : ImageView
+searchImageView : ImageView
+rankImageView : ImageView
+QRImageView : ImageView
+CameraImageView : ImageView
+scanCodeView : CardView
+testButton : Button
QRCodeActivity
-presenter : QRPresenter
UserProfileActivity
-user:User
-userProfilePresenter: UserProfilePresenter
-db: FirebaseFirestore
+codeList(View view)
+RemoveProfile(View view)
CommentAdapter
-comments: Comment[]
-context: Context
+getView(position: Int, convertView: View, parent: ViewGroup) : View
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ListClickListener
+ onItemClick(itemView : View, position : Integer) : void
UserListAdapter
-listener : RVClickListener
-userDataList : ArrayList<User>
+onCreateViewHolder(parent : ViewGroup, viewType : Integer) : ViewHolder
+onBindViewHolder(holder : ViewHolder, position : Integer) :void
UserSearchFragment
listener: OnFragmentInteractionListener
UserSearchActivity
listView:ListView
arrayAdapter: ArrayAdapter<String>
nameList: ArrayList<String>
+ onCreateOptionsMenu(menu:Menu):boolean
<<interface>>RecyclerClickListener
+ onItemClick(itemView : View, position : Integer) : void
MapsActivity
+ mMap: GoogleMap
+ codeList: float[][]
- fusedLocationProviderClient: FusedLocationProviderClient
- FINE_LOCATION :String
- COURSE_LOCATION :String
- LOCATION_PERMISSION_REQUEST_CODE: int
- deviceLocation: LatLng
- locationPermissionGranted: boolean
onCreate(savedInstanceState: Bundle): void
- initMap(): void
- getLocationPermission(): void
+ onRequestPermissionsResult(requestCode: int, permissions: String[], grantResults: int[]): void
- getDeviceLocation(): void
- addMarker(latLng: LatLng, zoom: float): void
ScanCodeActivity
- cameraProviderFuture: ListenableFuture
- cameraExecutor: ExecutorService
- cameraView: PreviewView
- analyzer: MyImageAnalyzer
- showData: TextView
- showScore: TextView
- takePicture: Button
onCreate(savedInstanceState: Bundle): void
+ onRequestPermissionsResult(requestCode: int, permissions: String[], grantResults: int[]): void
- bindpreview(processCameraProvider: ProcessCameraProvider): void
- capturePhoto(imageCapture: ImageCapture): void
+ analyze(image: ImageProxy): void
- scanbarcode(image: ImageProxy): void
- readerBarcodeData(barcodes: List<Barcode>): void
CodeListActivity
+codeList : RecyclerView
+presenter : CodeListPresenter
+codeListAdapter : CodeListAdapter
+update(observable : Observable, o : Object) : void
CommentsActivity
-commentView: ListView
-comments: Comment[]
-commentAdapter: CommentAdapter
+onCommentOkPressed(comment: String)
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<<interface>>
OnFragmentInteractionListener
+onCommentOkPressed(commentBody: String)
EditProfileFragment
- listener: OnFragmentInteractionListener
- user: User
- name_edit EditText
- contact_edit EditText
+ onAttach(context: Context): void
+ onCreateDialog(savedInstanceState: Bundle): Dialog
+ EditProfileFragment(user: User)
AddCommentFragment
-listener : OnFragmentInteractionListener
-addComment: EditText
UploadCodeFragment
-listener:OnFragmentInteractionListener
-score:Integer
-hash:String
-photo: File
CodeListAdapter
-listener : RecyclerClickListener
+updateData() : void
+onCreateViewHolder(parent : ViewGroup, viewTyple : Integer) : void
+onBindViewHolder(holder : ViewHolder, position : Integer) :void
+getItemCount() : Integer
ListClickListener
+ onItemClick(itemView : View, position : Integer) : void
<<interface>>
OnFragmentInteractionListener
+onOkPressed(code : ScannableCode) : void
AddCodeFragment
-listener : OnFragmentInteractionListener
<<interface>>RecyclerClickListener
+ onItemClick(itemView : View, position : Integer) : void