UserInformation	
• Represents the basic information of a user • Has the username, password, firstname, lastname, score, QRCode	• QRCode

Comment	
• Represents the comment by user to a QRCode • Has the date, author, content of the comment	

QRCode	
• Represents the scannable code • Has the comment, location, score relating to the code	• UserInformation • Comment • MyCryptographyController • Game

Game	
• Represents basic information of a game session	

UserScoreGameSession	
• Represents the basic information of a user in a single game session	• CalculateScoreController

CustomListRankingController	
• Custom adapter for showing all the ranking of the players based on total score	• RankingAcitivity • UserScoreGameSession • UserInformation

CustomListviewAllCommentController	
• Custom adapter for showing all the comment of a QR Code	• ViewAllCommentActivity

CustomListViewAllQRCodeController	
• Custom adapter for showing all the QR codes of the user	• ViewAllQRCodeActivity

CalculateScoreController	
• Calculate the score from the QRCode	• QRCode

MyBitmapController

• Resize the photo	

MyCryptographyController

• Hash the input into a string • Encrypt/decrypt the string	

MyFireStoreUploadController

• Upload the data to the FireStore database • Manage the database	• QRCode • Comment

MyPermissionController

• Manage interaction for asking the permission	

CustomListChooseGameController

• Custom array adapter for the list view in ChooseGameActivity	• Game

DeviceUniqueIDController

• Manage getting the device's unique ID	

StatisticsController

• Estimate use's ranking within a server	• UserInformation • Game • QRCode

MainActivity

• Represents the main activity of the app • Interface for user to log in/sign up	• MyCryptographyController • SignupActivity • UserInformation • PlayerMenuActivity • DeviceUniqueIDController • Game

PlayerMenuActivity

• Interface showing the main menu for the app, with five buttons represent five major features of the app.	• SearchQRCodeActivity • RankingActivity • SearchUsernameActivity • MyProfileActivity • ViewAllQRCodeActiviy • SearchQRCodeActivity • SearchUsernameActivity • MyBitMapController • MyCryptographyController • CalculateScoreController • Game

RankingAcitivity

• Showing the ranking of the player by their total score	• PlayerMenuActivity • CustomListRankingController • MyFireStoreUploadControlelr • UserInformation • PlayerProfileActivity • Game

SearchQRCodeActivity

• Interface for player to search for QRCode from the map	• PlayerMenuActivity • MyPermissionController • QRCode • UserInformation • QRCodeInfoActivity • Game

SearchUsernameActivity

• Interface for player to search for other player	• PlayerMenuActivity • UserInformation • UserProfileActivity • Game

SignupActivity

• Interface for player to sign up for the app	• MainActivity • MyFireStoreUploadController • MyCryptographyController • UserInformation • PlayerMenuActivity • Game

ChangeProfileActivity

• Interface for player wanting to change the profile	• MyProfileActivity • MyFireStoreUploadController • MyCryptographyController • Game • MainActivity

EstimateMyRankingActivity

• Interface showing the estimate ranking of the player in terms of Max score, Min score, Total score, the number of QR Code	• MyProfileActivity • UserInformation • CalculateScoreController • Game • UserScoreGameSession • StatisticsController

MyProfileActivity

• Interface showing the information of the player • Showing option if player wants to change the profile or generate the QRCode	• EstimateMyRankingActivity • ChangeProfileActivity • PlayerMenuActivity • QRCode • UserInformation • Game

CheckSameQRCodeActivity	
• Interface to see the list of other players if they have the same QRCode	• QRCodeInfoActivity • MyCryptography • QRCode • UserInformation • Game

MapQRCodeActivity	
• Displays the location of the QR Code on a map	• QRCode • QRCodeInfoActivity • Game

QRCodeInfoActivity	
• Interface showing the information of the QRCode • Interface for viewing the Photo of the QRCode (If there is)	• CheckSameQRCodeActivity • ViewAllCommentActivity • MapQRCodeActivity • MyPermissionController • MyBitmapController • QRcode • Game

UserProfileActivity

• Interface showing the profile of the user	• UserInformation • MyFireStoreUploadController • ViewAllQRCodeActivity • RankingActivity • SearchUsernameActivity • Game

ViewAllCommentActivity

• Interface showing all the comment of the QRCode	• CustomListviewAllCommentController • MyFireStoreUploadController • Comment • QRCode • Game

UserStatisticsActivity

• Showing the statistics of the QRCode that player scanned	• ViewAllQRCodeActivity • UserInformation • QRCode • Game • StatisticsController

ViewAllQRCodeActivity	
• Displays all the QRCode that player scanned	• UserStatisticActivity • PlayerMenuActivity • CustomListViewAllQRCodeController • MyFireStoreUploadController • QRCode • UserInformation • QRCodeInfoActivity • Game

ChooseGameActivity	
• Allows user to choose game session or create a new one	• Game • MyFireStoreUploadController • CustomListChooseGameController • MainActivity