

Model

Player
Collaborator: Database, Camera, Comment, DisplayPlayerInfoButton
Responsibility: represent a player and keeps its corresponding information
Database
Collaborator: QrCode, Player, Geolocation
Responsibility: stores the information of players and QR codes
QRCode
Collaborator: QrCodeScanner, Database
Responsibility: store corresponding QR Code
QrCodeScanner
Collaborator: QrCode, ScanningButton
Responsibility: Scan photo and process it to return the QrCode
Geolocation
Collaborator: Database
Responsibility: represent and stores the corresponding information of a location
Comment
Collaborator: Player
Responsibility: represent and store the corresponding information of a comment
Camera
Collaborator: QrCodeScanner
Responsibility: Implement with the functionality of taking pictures

View

Profile
Collaborator: DisplayPlayerInfoButton, Player
Responsibility: Displays player's corresponding data, provides UI to update Player
Map
Collaborator: Database, Geolocation
Responsibility: Displays nearby QR codes
Leaderboard
Collaborator: Player, Database
Responsibility: Displays top players as a list
PlayerSearchPage
Collaborator: Player, Database
Responsibility: Implements interface to search for other players

Controller

DisplayPlayerInfoButton
Collaborator: Database, Player
Responsibility: represent a Player
ScanningButton
Collaborator: QRCode, DataBase
Responsibility: Open camera for scanning
DisplayNearbyCodeButton
Collaborator: Database, QRCode map
Responsibility: Display nearby QRcode
SearchPlayerButton
Collaborator: Database, player
Responsibility: search for other users using username
WriteComment
Collaborator: Database, player, Comment, Profile
Responsibility: A Edit text that retrieve comment and store comment about a QRCode in the database.

PlayerSearchPage
Collaborator: Database, player
Responsibility: Implements interface to search for other player