Title: Map

Role:

- Store list of geo- locations

Collaborator

- Geolocation

Title: Photo

Role:

- Represents a photo taken of the location/object

- can be compressed

- has maximum size

Collaborator

- QRCode

Title: Owner

Role:

- Delete players

- delete bad QR codes

Collaborator

- Server

- PlayerProfile

- QRCode

Title: Geolocation

Role:

- represents a geolocation

- has latitude, longitude, and altitude

- optional

Collaborator

- Map

- QRCode

Title: Score

Role:

- represents score of a HashCode

Collaborator

-HashCode

Title: Database

Role:

- Store QR codes

- Store player profiles

- Search for player profiles

- had by server

Collaborator

- PlayerProfile

- QRCode

- Server

Title: HashCode

Role:

- represent the code from the hash

- has a score

Collaborator

- QRCode

- Score

Title: QRCode

Role:

- represent QR code

- be scanned by user

- has a hash code

- could have a photo

- could have a geolocation

Collaborator

- HashCode

- Player

- Geolocation

- Photo

- Database

Title: PlayerProfile

Role:

- generate and store Player QR code

- has player info

- stored on Database

- contains list of players QR codes

Collaborator

- Database

- Player

- QRCode

Title: Server

Role:

- contain storage

- owns infrastructure of game

Collaborator

- Database

- Owner

Title: Player

Role:

- Find QR with geolocation

- Scan QR

- has account

- view other profiles on Server

- generate QR code for status

- views map

Collaborator

- QRCode

- PlayerProfile

- Server

- Map