

Owner	
Responsibilities	Collaboration
Delete QR codes	Game QR codes
Delete Accounts	Account
View all QR codes	
View all Accounts	

Login Manager	
Responsibilities	Collaboration
Generate Login QR	Account
Login using Login QR	
ensure account security	

Game History	
Responsibilities	Collaboration
keeps history of player's game activity	Account
	Player

Game Stats	
Responsibilities	Collaboration
Summarize Stats of a Game History	Account
Can be viewed by other players	Game Stats QR Generator
stores rankings for account	Scoreboard
	Game History

Player	
Responsibilities	Collaboration
Use camera to take QR codes	Camera
Add QRs to Account	Profile
Manages Profile	Account

Account	
Responsibilities	Collaboration
Store a Profile	Player
maintain Profile	Profile
own QR codes	Comments
keeps game history	Login

Profile	
Responsibilities	Collaboration
Stores PFP	Account
Stores ID	Game Stats
Stores Contact Info	
Public - Can be viewed by other Players	
has Game Stats	

Profile QR generator	
Responsibilities	Collaboration
Generates QR code linking to a public Profile	Profile

Comments	
Responsibilities	Collaboration
Account Comments on Game QRs	Game QR code
	Accounts

Scoreboard	
Responsibilities	Collaboration
Rank QR codes given to it	Profile
Get hi score QR ranking from Game History	Account
Get scanned QR number ranking from Game History	
Get total score ranking from Game History	

Game QR codes	
Responsibilities	Collaboration
May have GeoLocation	GeoLocation
Can be Scanned	Player
Can be Owned by players	Comments
Have Comments from Players	Account
Has UID	
May have Image identifying the location	
keeps track of who scanned it	

GeoLocation	
Responsibilities	Collaboration
Stores GeoLocation information	Game QR codes
	GPS

GPS	
Responsibilities	Collaboration
Gets current Position as GeoLocation	Camera
Togglable	GeoLocation

Camera	
Responsibilities	Collaboration
Capture Images	Images
Resize / Compress large images	GPS
Capture location	

Image	
Responsibilities	Collaboration
Captured by Camera	Camera
Converted to QR code	Game QR Processor
Optionally part of Game QR code	Game QR code

Game QR Processor	
Responsibilities	Collaboration
Convert image into QR code	Images
Get Score from a Game QR code	Game QR code
Encode / Hash Game QR into UID?	