Player

• See own profile, • automatically log into own account as the device can identify the player, • Add new QR codes, • See list of QR codes added to account, • remove QR codes, • see other player's profiles	• QR code

Statistics

• see highest and lowest scoring QR codes, • see sum of scores of QR codes scanned, • see total number of QR codes scanned,	• Player • QR code

Owner

• Store small images online (< 64 kB) • delete QR codes that are bad/malicious • delete players	• Player • QR code

Search

• search for other players by username • search for nearby QR codes	• Player • Location • QR code

Location

• see a map of nearby QR codes	• Search • Map

Scoring

• do all the necessary calculations	• QR code • Player • Game

QR code

• keep track of who has seen it • hash and store without retaining private info	• Player • Owner • Search • Location • Scoring

Database

• store key-value pairs of location and score • store players with unique user id • store owners with list of owned players • be searchable	• Player • Owner • Search • Location

Camera	
• Scan QR codes	• QR code

Game	
• see game-wide high scores of all players • see an estimate of my ranking for the highest scoring unique QR code • see an estimate of my ranking for the total number of QR codes scanned • see an estimate of my ranking for a total sum of scores of QR codes scanned	• Scoring

QR code page	
• Flag malicious code • comment on code • gallery view of images	• QR code • Location • Player

Map	
• visualize the list of locations	• Location