

LoginController

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| <ul style="list-style-type: none">• Match current device ID with a device ID of a user account ID in the database• Load user data• Instantiate a user account associated with that device ID as the genesis ID if its a new device ID and add that to the database | <ul style="list-style-type: none">• User• LoginQRCodeMaker |
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LoginQRCodeMaker

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| <ul style="list-style-type: none">• Make a unique QR code of the user's account ID so the user can log in from another device | <ul style="list-style-type: none">• User |
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QR Code

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| <ul style="list-style-type: none">• Represent QR code• Have associated comments• Have a location Boolean• If location Boolean is true, then have a geo location; else no | <ul style="list-style-type: none">• User• Comments• Map ?• QRCodeController• DatabaseController |
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QRCodeController

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| <ul style="list-style-type: none">• Display score• Display comments• Facilitate adding comments• Display list of users who have this QR code | <ul style="list-style-type: none">• QRCode• User |
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QRCodeHasher

- Calculate a SHA-256 hash of a QR Code
- Calculate Score

- QRCode
- QRCodeController

Map

- Show where user is
- Show where nearby QR codes are

- QRCode
- User

Comment

- Represent a comment by a user

- QRCode
- User
- DatabaseController

Owner

- Special log in authorization
- See entire database
- Delete bad QR codes
- Delete big images
- Delete players

- QR Code
- User
- DatabaseController ?

User

- Take pictures of QR codes
- View their QR codes by date and score
- View their total score/total # of QR codes
- Delete their QR codes
- Take pictures of location
- Record geo location of QR code
- View map
- View other player's profiles via Leaderboard
- Generate QR code for logging in and for others to see game status

- QRCode
- DatabaseController
- Comment
- Map
- Leaderboard

Leaderboard

- Represent leaderboard
- Facilitate search for player
- Click into a player to see player profile

- User

Camera

- Scan QRCode
- Take photo of QR code location

- User
- QRCode
- QRCodeController