

QRGoDBUtil

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| <ul style="list-style-type: none"> • Interface to database • Add/delete QR Codes to DB • Add/delete Comments to DB • Add/delete Players to DB | <ul style="list-style-type: none"> • QRInfoActivity • PlayerInfoActivity • NewGameQRActivity |
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QRCode

LoginQRCode, StatusQRCode, GameQRCode

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| <ul style="list-style-type: none"> • Represents a QRCode • Contains a hash code | |
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QRCode

LoginQRCode

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| <ul style="list-style-type: none"> • Represent a QRCode used for logging in • Contained by a User • Used by LoginInfoActivity | <ul style="list-style-type: none"> • QRCode • User • LoginInfoActivity |
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StatusQRCode		QRCode
<ul style="list-style-type: none">• Represent a QRCode for showing user data• Contained by a User		<ul style="list-style-type: none">• QRCode• User

GameQRCode		QRCode
<ul style="list-style-type: none">• Represents a QRCode that can be scored• Knows users that scanned itself• Contained in SearchActivity• Contained in PlayerInfoActivity• Contained in QRInfoActivity• Gets its own score		<ul style="list-style-type: none">• QRCode• SearchActivity• PlayerInfoActivity• QRInfoActivity

Abstract	
User	
Player, Admin	
<ul style="list-style-type: none"> • Represents a User • Has a LoginQRCode and a StatusQRCode • Knows all scanned QRcodes • May have a profile picture • Has email and total score • Can be an owner (aka Admin) • Can change its username and email • Contained by SearchActivity • Needed by MyAccountActivity • Needed by PlayerInfoActivity 	<ul style="list-style-type: none"> • LoginQRCode • StatusQRCode • Player • Admin • ProfilePicture • SearchActivity • MyAccountActivity • PlayerInfoActivity

Player	
User	
<ul style="list-style-type: none"> • Represents a normal player 	<ul style="list-style-type: none"> • User

Owner	
User	
<ul style="list-style-type: none"> • Represents an admin user • Can use admin powers (delete players, QRcodes) 	<ul style="list-style-type: none"> • User

Photo

ProfilePicture, QRPhoto

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| <ul style="list-style-type: none">• Represents a photo | <ul style="list-style-type: none">• ProfilePicture• QRPhoto |
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ProfilePicture

Photo

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| <ul style="list-style-type: none">• Represents a profile picture of a user• Knows the user it represents | <ul style="list-style-type: none">• Photo• User |
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QRPhoto

Photo

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| <ul style="list-style-type: none">• Represent a photo of a QRCode• Knows the QRCode it represents | <ul style="list-style-type: none">• Photo |
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GeoLocation

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| <ul style="list-style-type: none">• Represents a location• Knows the QRCode at this location• May be used by QRInfoActivity• May be used by QRCodeScannerActivity• Contained by MapActivity• Can represent location as an address | <ul style="list-style-type: none">• QRInfoActivity• QRCodeScannerActivity• MapActivity |
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Comment

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| <ul style="list-style-type: none">• Represents a comment• Contains a message• Knows the QRCode the message is for | <ul style="list-style-type: none">• QRInfoActivity |
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LoginInfoActivity

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| <ul style="list-style-type: none">• Screen for logging in• Allow users to log in with a LoginQRCode | <ul style="list-style-type: none">• LoginQRCode |
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MapActivity

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| <ul style="list-style-type: none">• Start screen of the app• Displays a map with GeoLocations• Knows current location• Can launch SearchActivity• Can launch MyQRCodesActivity• Can launch QRCodesScannerActivity• Can launch MyAccountActivity | <ul style="list-style-type: none">• GeoLocation• SearchActivity• MyQRCodesActivity• QRCodesScannerActivity• MyAccountActivity |
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SearchActivity

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| <ul style="list-style-type: none">• Screen for searching QRCodes and Users• Displays a list of GameQRCode• Displays a list of Users• Can sort lists | <ul style="list-style-type: none">• GameQRCode• User |
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MyQRCodesActivity

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| <ul style="list-style-type: none">• Screen for showing the user's obtained QRcodes info• Knows which user it is displaying for• Calculates and displays total score• Calculates and displays number of scanned QRcodes• Calculates and displays the QRcode with highest score• Displays a list of scanned QRcodes | <ul style="list-style-type: none">• User• GameQRcode |
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QRCodeScannerActivity

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| <ul style="list-style-type: none">• Screen for scanning QRcodes• Takes photo of a QRcode using the camera• Scans QRcodes• Launches NewGameQRcodeActivity | <ul style="list-style-type: none">• NewGameQRActivity |
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NewGameQRCodeActivity

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| <ul style="list-style-type: none">• Screen for after scanning a QRCode• Can add scanned QRCode to the database• Displays score of scanned QRCode• Can attach a photo to the scanned QRCode• Can set location of the scanned QRCode• Launched by QRCodeScannerActivity• Allow input from user to describe scanned QRCode | <ul style="list-style-type: none">• GameQRCode• QRPhoto• GeoLocation• QRCodeScannerActivity |
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QRInfoActivity

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| <ul style="list-style-type: none">• Screen for displaying a QRCode's information• Can display a photo representing the QRCode• Can display the QRCode's location (if set)• Displays users that scanned this QRCode• Displays comments directed to the QRCode• Allow users to comment on the QRCode | <ul style="list-style-type: none">• GameQRCode• QRPhoto• GeoLocation• Comment |
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