

Hash

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| <ul style="list-style-type: none">• Represents a hash• Contained by a QRCode | <ul style="list-style-type: none">• QRCode |
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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 | <ul style="list-style-type: none">• Hash |
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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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QRCode

StatusQRCode

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| <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 |
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<div>QRCode</div> <div>GameQRCode</div>	
<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

<div>Abstract</div> <div>User</div> <div>Player, Admin</div>	
<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	

Admin		User
<ul style="list-style-type: none">Represents an admin user	<ul style="list-style-type: none">User	

Photo		ProfilePicture, QRPhoto
<ul style="list-style-type: none">Represents a photo	<ul style="list-style-type: none">ProfilePictureQRPhoto	

ProfilePicture		Photo
<ul style="list-style-type: none">Represents a profile picture of a userKnows the user it represents	<ul style="list-style-type: none">PhotoUser	

QRPhoto

Photo

- Represent a photo of a QRCode
- Knows the QRCode it represents

- Photo

GeoLocation

- 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

- QRInfoActivity
- QRCodeScannerActivity
- MapActivity

Comment

- Represents a comment
- Contains a message
- Knows the QRCode the message is for

- QRInfoActivity

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• Displays score of scanned QRcode• Can attach a photo to the scanned QRcode• Can set location of the scanned QRcode• Can add scanned QRcode to the database | <ul style="list-style-type: none">• GameQRcode• QRPhoto• GeoLocation |
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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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