

Player <<Controller>>		
<ul style="list-style-type: none">Find the QR codeAdd/remove the QR codeAdd/remove a photoAccept/decline the locationOwn the player's accountManage the profile, QR codeGenerate unique account		<ul style="list-style-type: none">CameraQR CodeAccountMapDatabasePhoto
Account <<Module>>		
<ul style="list-style-type: none">Show the scanned codeShow player's personal informationShow player's rankingShow score		<ul style="list-style-type: none">PlayerDatabaseScoring SystemRanking System
Abstract Camera <<Controller>>		
<ul style="list-style-type: none">Take location photoTake QR code photo		<ul style="list-style-type: none">PlayerDatabasePhotoQR code

Photo <<Module>>	
<ul style="list-style-type: none">• Show QR code• Show the location	<ul style="list-style-type: none">• Camera• QR Code• Map
QR code <<Controller>>	
<ul style="list-style-type: none">• Represent a scannable code• Generate QR code	<ul style="list-style-type: none">• Camera• Database• Scoring System• Map• Photo• Admin
Database <<Controller>>	
<ul style="list-style-type: none">• Store the player's account• Store the QR code, photo, location• Store the location according to the QR code• Store the score of QR code scanned by player	<ul style="list-style-type: none">• Photo• QR Code• Player• Scoring System• Map• Admin

Map <<Module>>	
<ul style="list-style-type: none">• Show the code's location• Show the player's location• Show available code• Show the distance between player and QR code	<ul style="list-style-type: none">• Database• Player• Photo• QR code
Scoring System <<Controller>>	
<ul style="list-style-type: none">• Calculate score for each QR code• Calculate the total score• Calculate the number of QR code scanned by player	<ul style="list-style-type: none">• Photo• QR code• Database• Ranking System
Admin <<Controller>>	
<ul style="list-style-type: none">• Delete malicious player• Delete malicious QR Code• Add new admin• Limit the data amount for image	<ul style="list-style-type: none">• Database• Player• QR code

Ranking System <<Controller>>	
<ul style="list-style-type: none">• Rank player's score• Rank the highest unique QR code• Rank the total score of QR code• Rank the total number of QR code scanned	<ul style="list-style-type: none">• Account• Scoring System• Database