Class: User Class: UserList Class: Camera Class: Photo Class: QRScanner Class: ScannableCode Responsibility: Responsibility: -Contains a picture of a scannable code Responsibility: -Take photos of QR or bar codes or Responsibility: Responsibility: Responsibility: object, or that object's location -Have picture taken by user -Take photos of QR codes -Display all users -Scan QR codes locations -Get scored by ScoreTracker -User can view photo -Allow owner to delete users -Scan codes -Have total score -Have geolocation -Have scanned codes -Be displayed on map Collaborator: -View high score list -Store user comments Camera, ScannableCode Collaborator: -View map Collaborator: Collaborator: User, ScoreTracker, ScannableCode, -Have username and contact info ScannableCode, Photo User, ScoreTracker, UserListView Camera -Be authenticated -See codes they scanned and number Collaborator: of codes, see total user score Camera, User, ScoreTracker, -view other players profiles GeoLocation, Photo -check if others have scanned same code -browse qr codes Collaborator: Map, High score list, UserList, ScoreTracker, CodeList, ScannableCode, Camera, Class: Owner Class: HighScoreList Class:Scoring System Authetnicator, Geolcoation Class: ScoreTracker Class: UserData Responsibility: Responsibility: Responsibility: Responsibility: Responsibility: -Get QRcode contents -Be a user -Show total scores and sum codes of -Track the scores of codes on account -Store user data -Calculate a SHA-256 hash of QR -Delete other users users in descending order -Sort codes from worst-best score -Retrieve data for a given user -Delete QR codes -Show user's own ranking and vice-versa -Delete Photos -Generate score -Show statistics: Sum of scores, total Class: Map number -Remove codes at user will Responsibility: Collaborator: Collaborator: -Show user location User, UserListView, CodeListView, User, ScoreTracker Collaborator: -Show locations of scanned codes HighScoreList, CodeList, User, ScoreTracker, ScannableCode, Collaborator: HighScoreListView, ControlPanelView Score tracker Camera, Authenticator, CodeList, Collaborator: Authenticator, Owner, QRCodeView, Collaborator: Geolcoation ScannableCode User, ScannableCode, UserList ScoringSystem Class: Authenticator Class: GeoLocation Class: PhotoView Class: WelcomeScreenView Class: CodeListView Class: Database Responsibility: Responsibility: -Determines player's location Responsibility: Responsibility: Responsibility: Responsibility: -Determine if user is player or owner -Determines location of other QR -Display Photos taken -Display text to welcome user to app -Display codes and scores -Connext with external database -Knows current user id codes - Sign in button -Store and retrieve user data Sign up button Collaborator: Map, ScannableCode, User Collaborator: Collaborator: Collaborator: User, ScannableCode, ScoreTracker Collaborator: User Collaborator: User, Camera, Photo User, UserData User, Authenticator Class: ControlPanelView Class: UserProfileView Class: QRCodeView Class: MapView Class: HighScoreListView Class: UserListView Responsibility: Responsibility: Responsibility: Responsibility: Responsibility: Responsibility: -Display codes -Display users -Display QR code -Display high scores -Display user profile -Display map -Have buttons to scan new code -Display ScannableCodes on map -Delete button -Diplay score -Have buttons to view user codes -open user profiles - Be deleted by owner -Zoom in, zoom out -Search button - Have optional object photo -Edit user profiles -UserProfileButton -Map button -Show user name and score/rank Collaborator: Collaborator: User, ScoreTracker User, Collaborator: User, Map, Geolocation Collaborator: Collaborator: Collaborator: User, UserList User, scannable code, User