User Collection

Schema;

_id	: String, Unique. Ether address 0x094918...
firstName	: String.
lastName	: String.
Password	: String, Unique. Hashed password, using Bcrypt.
email:	: String, Unique. Require correct format, will email confirm
authyID:	: String. 2FA ID
dateOfBirth:	: Number. Epoch
homeAddress:	: String. Address lookup in specified country, ensure valid
country:	: String.
idVerified:	: Boolean.
AccessLevel:	: Number
assetsFunded:	: [AssetsFunded]. Array of ether asset addresses
stakes:	: [String]. Array of stake ether addresses

Functions;

updateUserAddress()
updateUserFirstName()
updateUserLastName()
updateUserPassword()   *- TODO*
updateUserEmail()
updateUserAuthyID()   *- TODO*
updateUserDateOfBirth()
updateUserHomeAddress()
updateUserIdVerified()
updateUserAccessLevel()
addUsersAssetsFunded()
removeUsersAssetsFunded()
deleteUser()
updateUserStakes()

Assets Collection

Schema;

_id:	:String, Unique. Ether address 0x0f.a…..
creatorAddress:	:String. Ether address of user who created listing.
geoLocation:	:String? Co-Ordinates of location
description:	:String. Description of asset
image:	:[String]. Array of string paths to images of asset.
fundingRequired:	:Number.
fundingRecieved:	:Number.
fundingDeadline:	:Number. Epoch time.
fundingCompleted:	:Boolean
funders:	:[String]. Array of ether addresses.
FunderOwnership:	:[Number]. Associated % ownership to address
live:	:Boolean. Whether it is active.
RevenueGenerated:	:Number. -TODO

Functions;
updateAssetFundingRecieved()
updateAssetEthAddress()
updateAssetCreatorAddress()
updateAssetGeoLocation()
updateAssetDescription()
addAssetImage()
updateAssetImage()
removeAssetImage()
updateAssetFundingRequired()
updateAssetFundingDeadline()
updateAssetFundingComplete()
updateAssetLive()
removeAsset()
addAssetFunder()
updateAssetFunderAddress()
updateAssetFunderOwnership()
removeAssetFunderAndOwnershipStake()

Stake Collection

Schema;

_id:	:String, Unique. Ether address 0x0f.a…..
period:	:Number
unlockTime:	:Number. Epoch
creationTime:	:Number, Epoch
maxMultiplier:	:Number
userStakes :	:[]. Weird object -TODO

Functions;
removeStake()
updateStakePeriod()
updateUnlockTime()
updateCreationTime()
updateMaxMultiplier()
deleteUserStake()

Password Salting;
generatePasswordSalt()
validatePasswordHash()
grabUsersPasswordHash()

Authy; - TODO
sendAuthyToken()

Getters;
getUserEthAddressFromEmail()