

-searches for

- email: String - username: String profilePicUrl: String favourites: ArrayList<String> - photoCount: int - reviewCount: int - likesCount: int - originalUsername: String - originalProfilePicUrl: String + User() + User(userId: String, email: String, username: String) + User(userId: String, email: String, username: String, profilePicUrl: String, favorites: ArrayList<String>, photoCount: int, reviewCount: int, likesCount: int) getUserId(): String setUserId(userId: String): void getEmail(): String setEmail(email: String): void getUsername(): String setUsername(username: String): void + getProfilePicUrl(): String - setProfilePicUrl(profilePicUrl: String): void getFavorites(): ArrayList<String> setFavorties(favorites: ArrayList<String>): void getPhotoCount(): int setPhotoCount(photoCount: int) getReviewCount(): int getReviewCountStr(): String setReviewCount(reviewCount: int) getLikesCount(): int getLikesCountStr(): String setLikesCount(likesCount: int) getOriginalUsername(): String setOriginalUsername(originalUsername: String) ⊦ getOriginalProfilePicUrl(): String - setOriginalProfilePicUrl(originalProfilePicUrl: String) ⊦ isProfileChanged(): boolean Extends LoginUser - email: String

userId: String

- username: String - password: String - confirmPassword: String - currentPassword: String + LoginUser() + LoginUser(email: String, password: String) + LoginUser(email: String, username:String, password: String, confirmPassword: String) + getEmail(): String + setEmail(email: String): void + getUsername(): String + setUsername(username: String): void + getPassword(): String + setPassword(password: String): void + getConfirmPassword(): String setConfirmPassword(confirmPassword: String): void + isPasswordMatching(): boolean

Toilet - toiletId: String - name: String - address: String longitude: double latitude: double - geoHash: String - distance: double type: ToiletType - district: ToiletDistrict - accessibility: HashMap<String, Boolean> - reviewCount: int - rating: double photoUrl: ArrayList<String> - verified: boolean + Toilet() + Toilet(name: String, address: String, longtitude: double, latitude: double, type:ToiletType, district: ToiletDistrict) + LoginUser(email: String, username:String, password: String, confirmPassword: String) + getToiletId(): String + setToiletId(toiletId: String): void + getName(): String + setName(name: String): void + getAddress(): String + setAddress(address: String): void + getLongtitude(): double + setLongtitude(longtitude: double): void + getLatitude(): double + setLatitude(latitude: double): void + isPasswordMatching(): boolean + getGeoHash(): String + setGeoHash(geoHash: String): void + getDistance(): double + setDistance(distance: double): void + getDistanceStr(): String + setType(type: ToiletType): void + getType(): ToiletType + setDistrict(district: ToiletDistrict): void + getDistrict(): ToiletDistrict + setAccessibility(accessibility: HashMap<String, Boolean>): void + getAccessibility(): HashMap<String, Boolean> + getFemaleAccessibility(): boolean + getMaleAccessibility(): boolean + getHandicapAccessibility(): boolean + getChildAccessibility(): boolean + getReviewCount(): int + getReviewCountStr(): String + setReviewCount(reviewCount: int): void + getRating(): double + getRatingStr(): String + setRating(rating: int): void + getPhotoUrl(): ArrayList<String> + setPhotoUrl(photoUrl: ArrayList<String>): void + getDisplayPhoto(): String + isVerified(): boolean

+ setVerified(verified: boolean): void

«enumeration» ToiletType BUS_INTERCHANGE CLUB COFFEESHOP GOVERNMENT_OFFICE MARKET_FOOD_CENTRE MRT_STATION PARK -----Use------PLACE_OF_WORSHIP PRIVATE_OFFICE RESTAURANT SHOPPING_CENTRE TOURIST_ATTRACTION COMMUNITY_CENTRE FOOD COURT DORMITORY INDUSTRIAL_COMPLEX

> CENTRAL NORTHEAST NORTHWEST

«enumeration»

ToiletDistrict

NORTHEAST
NORTHWEST
SOUTHEAST
SOUTHWEST