

# Project-9-20: ERD Description

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Reference:

**Table Name**

**Primary Key**

Attribute

*Foreign Key*

Tables:

## 1. Accounts

- a. ***Account\_id*** - primary key serial
- b. Name - name of the user
- c. Email - email of the user (for authentication purposes)
- d. Phone - phone of the user for contact information regarding pickup and delivery of resources
- e. *Location\_id* - foreign key that references a row in the locations table, this is the house or location to find the user of this account.
- f. Photo\_url - urls to download image of user profile
- g. Account\_type - admin/supplier/user (for permission purposes)
- h. creationDate - date the account was created

## 2. Authentication

- a. ***Account\_id*** - primary serial key
- b. Password - the encrypted password of the user (for login purposes)

## 3. Locations

- a. ***Location\_id*** - primary serial key
- b. Address - the Address of the user
- c. *cityID* - foreign key that reference city, that will give us the city of the user and the region in which it belongs
- d. Latitude - the latitude of the user for a more precise location of the resources
- e. longitude -the longitude of the user for a more precise location of the resources

## 4. Cities

- a. ***City\_id*** - primary key serial
- b. City\_name - the City of the Account
- c. *Region\_id* - foreign key that reference to what region that city belong too

## 5. Regions

- a. ***Region\_id - primary key serial***
- b. Region\_name - the name of the region

## 6. Notifications

- a. ***Notification\_id - primary key serial***
- b. Seen- boolean that indicates if the user has seen the notification
- c. *Account\_id* - foreign key for the user to which the notification was send to

- d. Message- the message in the notification
- e. Title - the title of the notification
- f. sentDate - when the notification was sent

#### **7. Resources**

- a. **resourceID** - *primary key serial*
- b. name - name of the resource
- c. **resource\_type\_ID** - *foreign key that references the category of such resource*
- d. **accountID** - *foreign key of the supplier*
- e. Price - the price of the resource
- f. Description - extra description of the resource
- g. Availability - if the resource is still available or not
- h. Quantity - how much of that resource the vendor is offering
- i. lastUpdate - last time resource quantity was updated
- j. creationDate - date the resource was added

#### **8. Resource\_Keywords**

- a. **keywordID** - *primary key serial*
- b. Keyword - the keyword for searching such resource
- c. **resourceID** - *foreign key that references the resource that is part of this category*

#### **9. Resource\_Type**

- a. **resource\_type\_ID** - *primary key serial*
- b. name - the name of the category of the resource
- c. description - extra information of this category in particular

#### **10. Resource\_Request**

- a. **requestID** - *primary key serial*
- b. **accountID** - the account of the person who is need of such resource
- c. **resource\_type\_ID** - *foreign key that references the category of such resource*
- d. quantity - how much of this resource the person is requesting
- e. description - description about the request or the resource in need
- f. requestedDate - date the request was added