1. **Vocabulary matching**

1 - K

2 - D

3 - H

4 - J

5 - I

6 - E

7 - A

8 - C

9 - B

10 - F

11 - G

1. **To Do**
2. **Current system issues**

* Paper entry system
* Not reliable to track user requests
* Does not have a reliable stock list

1. **Database requirements for each stakeholder**
2. Buyer

* Contact information
* Buyer special request about a record
* Discount information
* List of all the records that were sold to him previously

1. Seller

* Contact information
* Seller would want to know what he would get for his old records (maybe a pricing model)

1. Owner

* Ability to list all his records (stock information)
* Ability to input his customer information
* Ability to accommodate a special request from a buyer
* Ability to track down his purchase price
* Ability to track down his selling price
* Ability to generate a bill of sale
* Ability to generate sales reports

1. **Business rules**

* All first time buyers and sellers will be assigned a customer ID
* Any customer with an id, will have a discount information
* For every transaction, the corresponding record in the stock will be either inserted or deleted depending on the buy or sell type of transaction
* A bill of sale will be generated to indicate the completion of sale
* By end of day, sales report will be generated to show the number of sales and total sales for the day

1. **Security rules**

* Only the owner can update the stock information
* Only the owner can modify the discount information
* Only owner can modify a completed sales adjustment
* Only the owner can define or alter the pricing model for buying old records

1. **Nouns, entities and attributes**

Nouns

* Date
* Seller’s name
* Seller’s Phone number
* Album
* Notes
* Condition
* Paid
* Buyer name
* Buyer phone number
* Price
* Tax
* Total
* Discount
* Email address
* Special request

Entities and attributes

1. Buyer

* First name
* Last name
* Customer ID
* Phone number
* Email address
* Buyer discount information
* Special requests

1. Seller

* First name
* Last name
* Customer ID
* Phone number
* Email address
* Seller discount information

1. Record

* Record name
* Record release year
* Record condition
* Record genre
* Record artist
* Record length
* Record buy price
* Record sell price
* Date record bought
* Date record sold

1. **Candidate keys**

* Customer ID
* Email address
* Phone numbers

1. **Documentation**

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