1. In one sentence describe the information system you’re currently designing?

I am creating a transaction processing system that tracks the buying and selling of new or used textbooks via a locker drop off system.

1. List ten entities that your proposed system will likely need to track.
2. Books
3. User Accounts
4. Transaction
5. Schools
6. Employees Account
7. Kiosks
8. Account Types
9. Usage Type
10. Class Used
11. Refund
12. For each entity you listed in the previous step, list enough attributes to adequately describe an instance of that entity.

* Books
  + Book Name
  + ISBN Number
  + Usage Type
  + User(Seller)
  + Class Book Is for
  + Price
  + Kiosk
  + Views
  + Timestamp
* User Accounts
  + Account type – Value Set
  + First Name
  + Last Name
  + Email
  + Phone Number
  + Address 1
  + Address 2
  + City
  + State
  + Zip
  + Name on card
  + Address 1
  + Address 2
  + City
  + State
  + Zip
  + Credit Card number
  + Security code
  + Number of in system Books
  + Number of Transactions
  + Money Spent
  + Money Received
  + Refunds
* Transactions
  + User Selling
  + User Buying/Renting
  + Books
  + Price
  + Date Due
  + Kiosk
  + Refund
* Schools
  + School Name
  + Number of Kiosks
  + Users
  + School Account – Boolean
  + Transactions
  + Refunds
* Class Used for
  + School Name
  + Class Number
  + Proffer Name
  + Required Text – Boolean
* Employee Accounts
  + User Name
  + First Name
  + Last Name
  + Number
  + Email
  + Account type
* Kiosks
  + Kiosk Number
  + School
  + Number of Books
  + Views
  + Transactions
  + Refunds
* Account Types
  + Name
  + Account Type
  + View Other Users Profile– Boolean
  + Can Validate User – Boolean
  + Can Rent – Boolean
  + Can Delete account – Boolean
  + Process Refund –Boolean
* Usage Types
  + Used Condition
* Refunds
  + User
  + Amount
  + Reason
  + Employee

1. For each attribute you listed in the previous step, indicate the most likely data type that would best store the values.

|  |  |  |
| --- | --- | --- |
| Books | Book Name | Text |
| ISBN Number | Number |
| Usage Type | Value Set |
| User(Seller) | Value Set |
| Class Book Is for | Value Set |
| Price | Number |
| Kiosk | Value Set |
| Views | Number |
| Timestamp | Date/Time |
| User Accounts | Account type | Value Set |
| First Name | Text |
| Last Name | Text |
| Email | Text |
| Phone Number | Number |
| Address 1 | Text |
| Address 2 | Text |
| City | Text |
| State | Text |
| Zip | Number |
| Name oncard | Text |
| Address 1 | Text |
| Address 2 | Text |
| City | Text |
| State | Text |
| Zip | Number |
| Credit Card number | Number |
| Security code | Number |
| Number of in system Books | Number |
| Number of Transactions | Number |
| Money Spent | Number |
| Transaction | User Selling | Value Set |
| User Buying/Renting | Value Set |
| Books | Value Set |
| Price | Number |
| Date Due | Date/Time |
| Kiosk | Value Set |
| Refund | Number |
| Schools | School Name | Text |
| Number of Kiosks | Number |
| Users | Number |
| School Account | Boolean |
| Transactions | Number |
| Refunds | Number |
| Employees Account | User Name | Text |
| First Name | Text |
| Last Name | Text |
| Number | Number |
| Email | Text |
| Account type | Value Set |
| Kiosks | Kiosk Number | Number |
| School | Text |
| Number of Books | Number |
| Views | Number |
| Transactions | Number |
| Refunds | Number |
| Account Types | UserName | Value Set |
| Account Type | Text |
| View Other Users Profile– Boolean | Boolean |
| Can Validate User – Boolean | Boolean |
| Can Rent – Boolean | Boolean |
| Can Delete account – Boolean | Boolean |
| Process Refund –Boolean | Boolean |
| Usage Type | Used Condition | Text |
| Refunds | User | Value Set |
| Amount | Number |
| Reason | Text |
| Employee | Value Set |