This is the ERD for the internal side of Gabe’s Gateway e-commerce database. The 3 features we chose to work on are inventory, employee login, and employee timesheets.

* This database will be tracking employee, timesheet, login, and product.
* For employee: each employee has a name, start date, email, address, phone number, and a unique employee ID.
* For timesheet: each timesheet has a date, time in, time out, total hours that is derived from time in and time out, and a unique timesheetID.
* For login: each login has a username, password, and a unique login ID.
* For product: each product has a name, description, price, brand, and a unique product ID.

Relationships:

* An employee manages the product.
* An employee has a timesheet.
* An employee has a login.

Cardinality:

* An Employee manages one or many products. Product is managed by one or many employees.
* An employee has one and only one timesheet. A singular timesheet is used by one and only one employee.
* An Employee has one and only one login. A singular login is used by one and only one employee.

Data Types:

Employee

EmpId: INT

EmpName: VARCHAR

Start Date: VARCHAR

Email: VARCHAR

Address: VARCHAR

Phone: VARCHAR

Timesheet

TimesheetID: INT

Date: VARCHAR

Time in: INT

Time out: INT

Total hours: INT

Login

LoginID: INT

Username: VARCHAR

Password: VARCHAR

Product

ProductID: INT

Name: VARCHAR

Description: VARCHAR

Price: NUMERIC

Brand: VARCHAR