Coffee Shop

Check out — B_ID, Total, C_ID, Tracking #

Pay

Generates (1,1)

C. Shop — Password, Admin

Customers — C_ID, C_Name, C_Address, C_Email, C_Phone

Has (1,1) (1,m)

Schedule/order — Track shipments, Sch_ID, E_ID, C_Code (1,m)

Provides (1,1)

Has (1,1) (1,m)

Inventory — Bag size, C_Code, C_Bean, Price, C_Roast (1,m)

Makes (1,m) (1,m)

Employees — E_Name, E_Phone, PayRate, E_ID, E_Email, E_Address

Offers — Arabica, Robusta, Liberica, Excesia

(1,1) — C. Shop / Generates
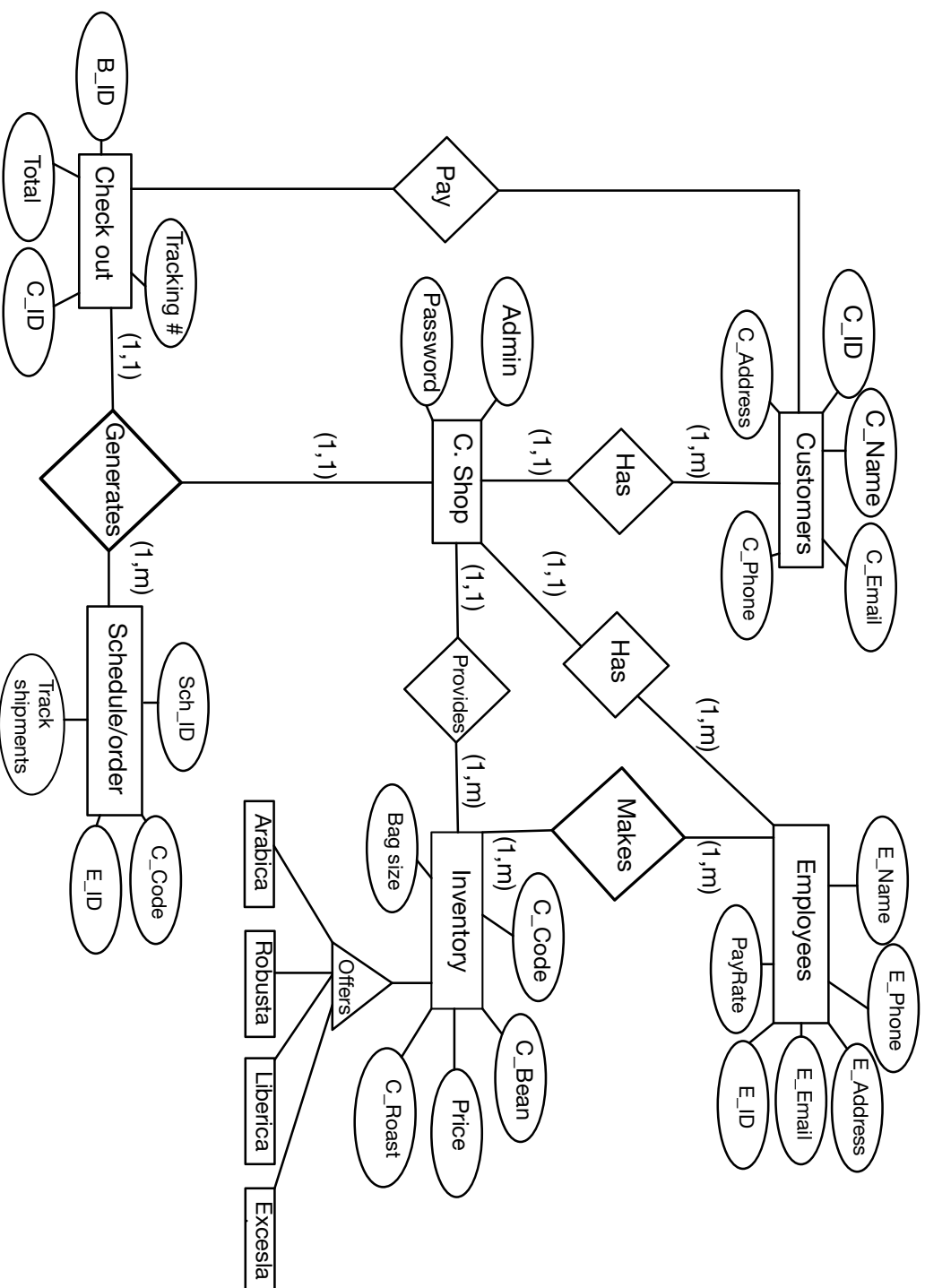
Relation Schema

Key: <u>underline</u> = Primary key
       * = Foreign key

<u>Entities</u>
- C. Shop
- Inventory
- Customer
- Employee
- Check-out
- Schedule/Order

C. Shop(admin, password)

Inventory (<u>C_code</u>, C_Bean, Price, C_Roast,BagSize)

Invent_Offer(Arabica, Robusta, Liberica, Excesla)

Customer(<u>C_ID</u>, c_name, c_phone, c_address, c_email)

Employees(<u>E_ID</u>, e_name, e_phone, e_address, e_email, PayRate)

Check-Out(<u>B_ID</u>, C_ID*, Tracking #, Total)

Schedule/Order(<u>Sch_ID</u>, E_ID*, C_Code*, TrackingShipments)

<u>Relationships</u>
1. C. Shop - customers -> 1 to many
2. C. Shop - Check-out -> 1 to 1
3. C. Shop - Schedule -> 1 to many
4. C. Shop- Employees -> 1 to many
5. Employees - Inventory -> many to many
6. Clients - Employees -> 1 to many