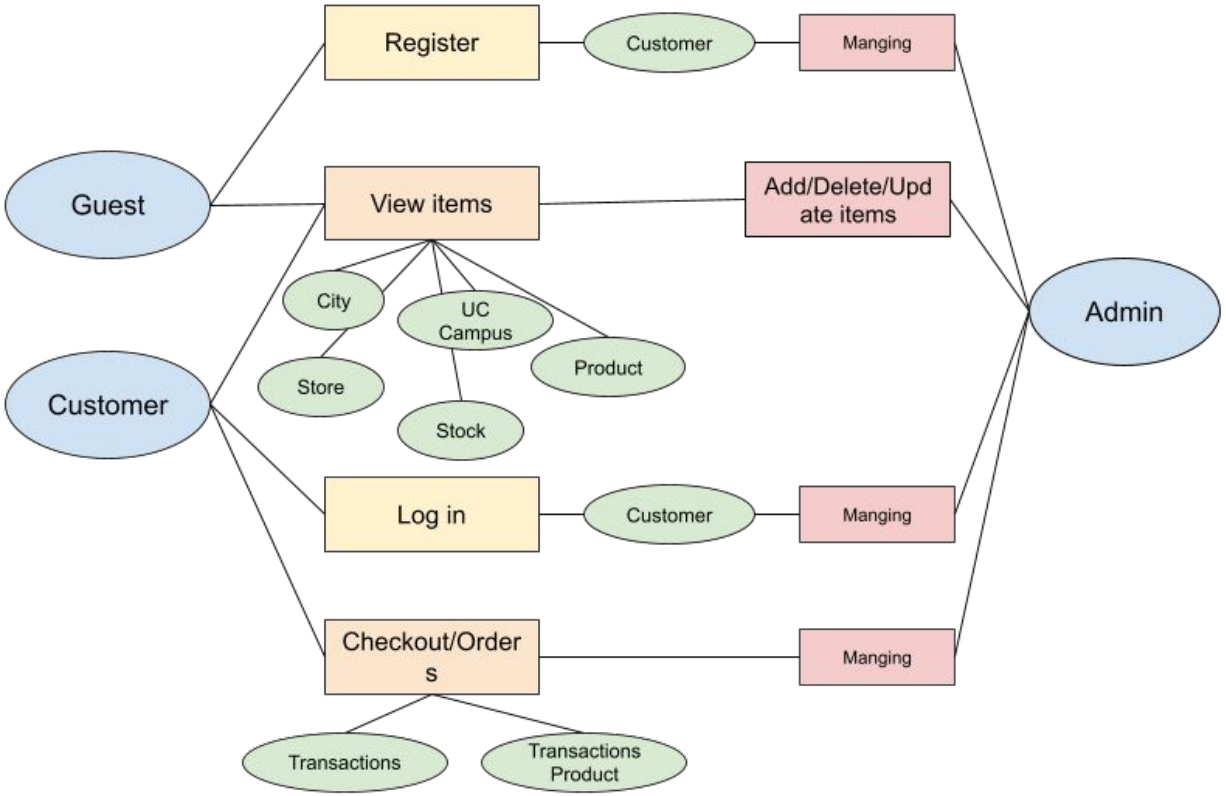
CSE111: Project 1

Yeyun, Natalie

UML Use Case

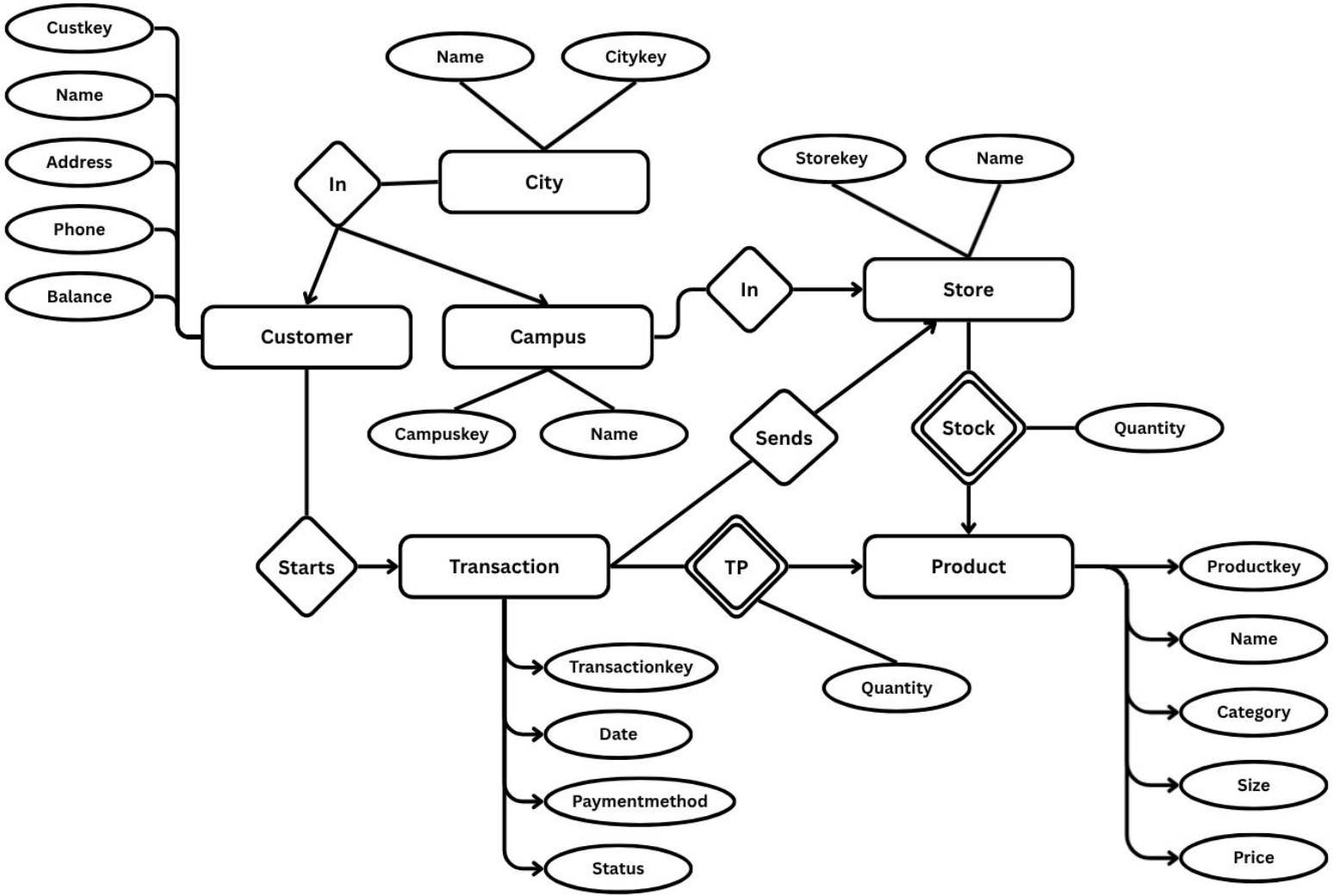


Guest: A visitor who can view items but cannot make purchases until registered.

Customer: A registered user who can view items, log in, and purchase items.

Admin: A system administrator responsible for managing the item catalog and overseeing transactions.

E/R Diagram


Custkey
Name
Address
Phone
Balance
Customer
Name
Citykey
City
In
Campus
Campuskey
Name
In
Storekey
Name
Store
Stock
Quantity
Sends
Starts
Transaction
TP
Product
Transactionkey
Date
Paymentmethod
Status
Quantity
Productkey
Name
Category
Size
Price

Relation Specification

City {citykey, name}
UC_Campus {campuskey, citykey, name}
Customer {customerkey, citykey, name, address, phonenum, balance}
Store {storekey, campuskey, name}
Stock {storekey, productkey, quantity}
Product {productkey, name, category, size, price}
TransactionsProduct {transactionkey, productkey, quantity}
Transactions {transactionkey, storekey, customerkey, date, paymentmethod, status}

Thank you!