University of California General Store Website

CSE 111 Project
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System Description

We built a web-based UC Campus Store application that supports:
- Product browsing
- Purchasing
- Full administrative control

Pages:
- Main
- Cart
- Login
- Register
- Admin

Use Case Description

Guest
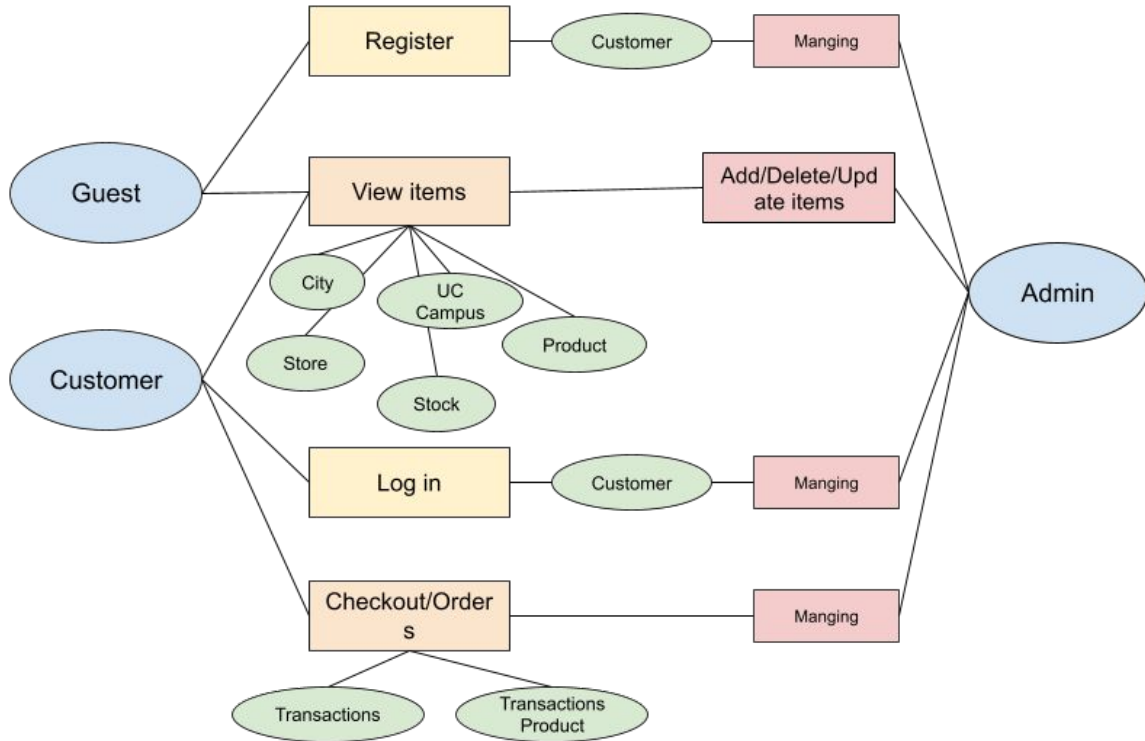- Register
- campus-based product search
- category filtering

Customer
- Login
- campus-based product search
- category filtering
- purchasing

Admin
- Manage Products (add / update / delete)
- Manage Customers (add / update / delete)
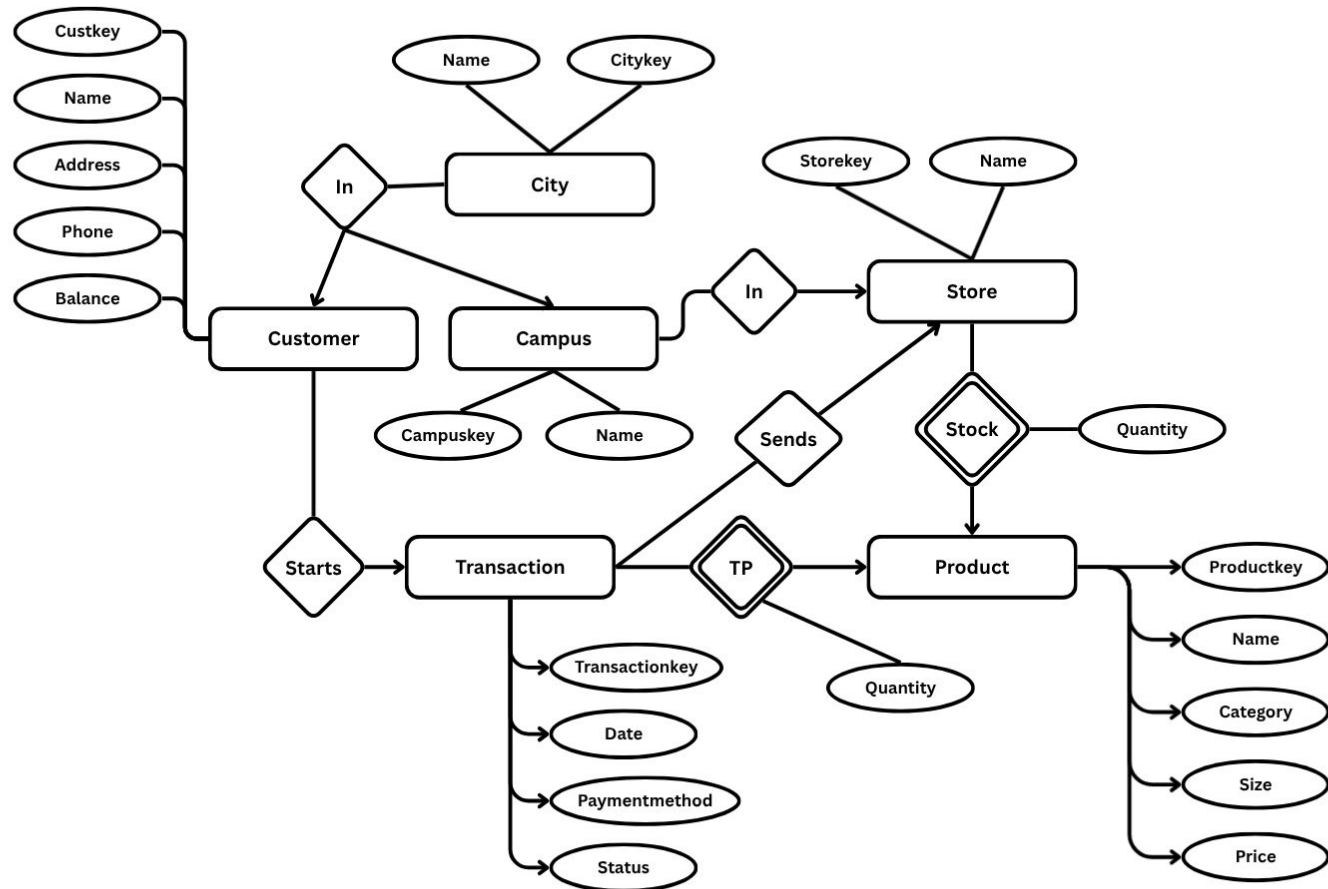- Manage Transactions (add / update / delete)

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.

ER Diagram

Relation Specification

City {<u>citykey</u>, name}

UC_Campus {<u>campuskey</u>, citykey, name}

Customer {<u>customerkey</u>, citykey, name, address, phonenum, balance}

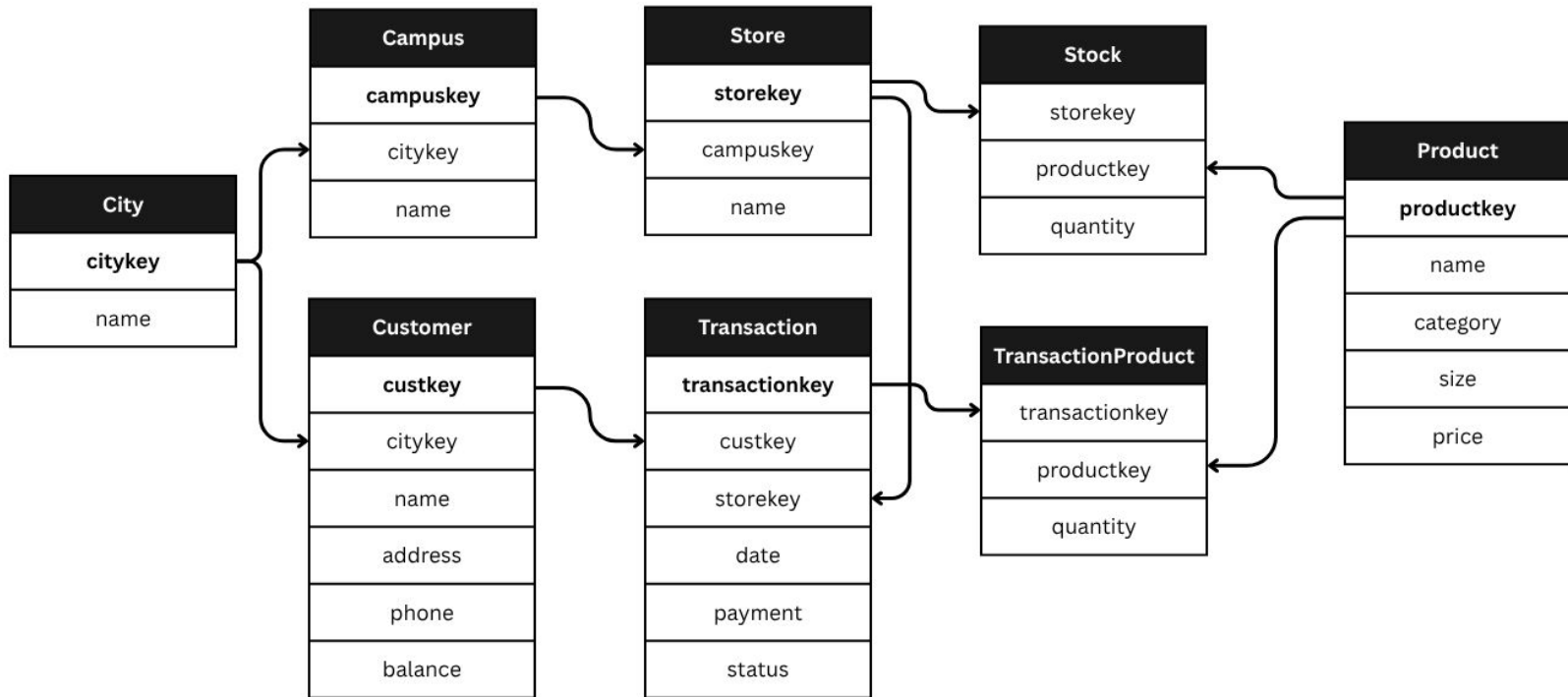**Store** {<u>storekey</u>, campuskey, name}

Stock {storekey, productkey, quantity}

Product {<u>productkey</u>, name, category, size, price}

TransactionsProduct {transactionkey, productkey, quantity}

Transactions {<u>transactionkey</u>, storekey, customerkey, date, paymentmethod, status}

Relation Table

Implementation

Python

HTML, CSS, Javascript

Flask

Sqlite3

Thank you!