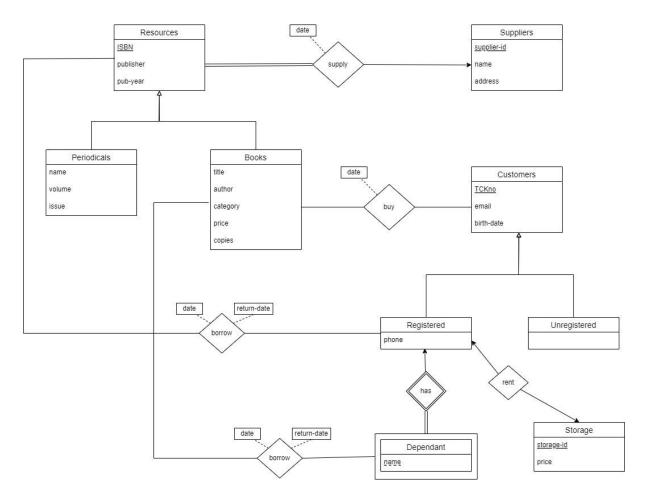
CS 353 Fall 2022 Homework 2 Solutions

Q.1



Q.2 Suppliers(supplier-id, name, address)

Resources(ISBN, publisher, publish-year, date, supplier-id)

FK: supplier-id references Suppliers

Periodicals(ISBN, name, volume, issue)

FK: ISBN references Resources

Books(<u>ISBN</u>, title, author, category, price, copies)

FK: ISBN references Resources

Customers(<u>TCK-no</u>, email, birthdate)

Registered(TCK-no, phone)

FK: TCK-no references Customers

Unregistered(<u>TCK-no</u>)

FK: TCK-no references Customers

Buy(TCK-no, ISBN, date)

FK: TCK-no references Customers

FK: ISBN references Books

Reg-Borrow(TCK-no, ISBN, date, return-date)

FK: TCK-no references Registered FK: ISBN references Resources

Dependent(TCK-no, name)

FK: TCK-no references Registered

Dep-Borrow(<u>TCK-no, name, ISBN</u>, date, return-date)

FK: (TCK-no, name) references Dependent

FK: ISBN references Books

Storage(storage-id, price, TCK-no)

FK: TCK-no references Registered

Unique TCK-no

Q.3

