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CSC715 Database Theory

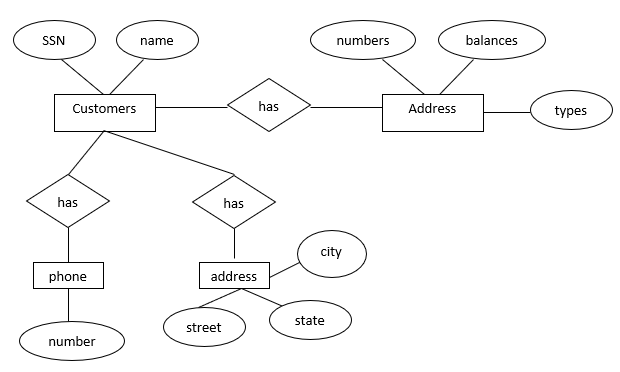
Prof. Chi

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Problem 8

Exercise 4.1.1. p. 138

Exercise 4.1.1. Design a database for a bank, including information about customers and their accounts. Information about a customer includes their name, address, phone and SSN. Accounts have numbers, types (e.g., savings, checking) and balances. Also record the customer(s) who own an account. Draw the E/R diagram for this database. Be sure to include arrows where appropriate, to indicate the multiplicity of a relationship.



Exercise 4.1.3 p.139

Give an E/R diagram for a database recording information about teams, players, and their fans, including:

1. For each team, its name, its players, its team captain (one of its players), and the color of its uniform.
2. For each player, his/her name.
3. For each fan, his/her name, favorite teams, favorite players, and favorite color.

