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Dr. Vu

CSE 572

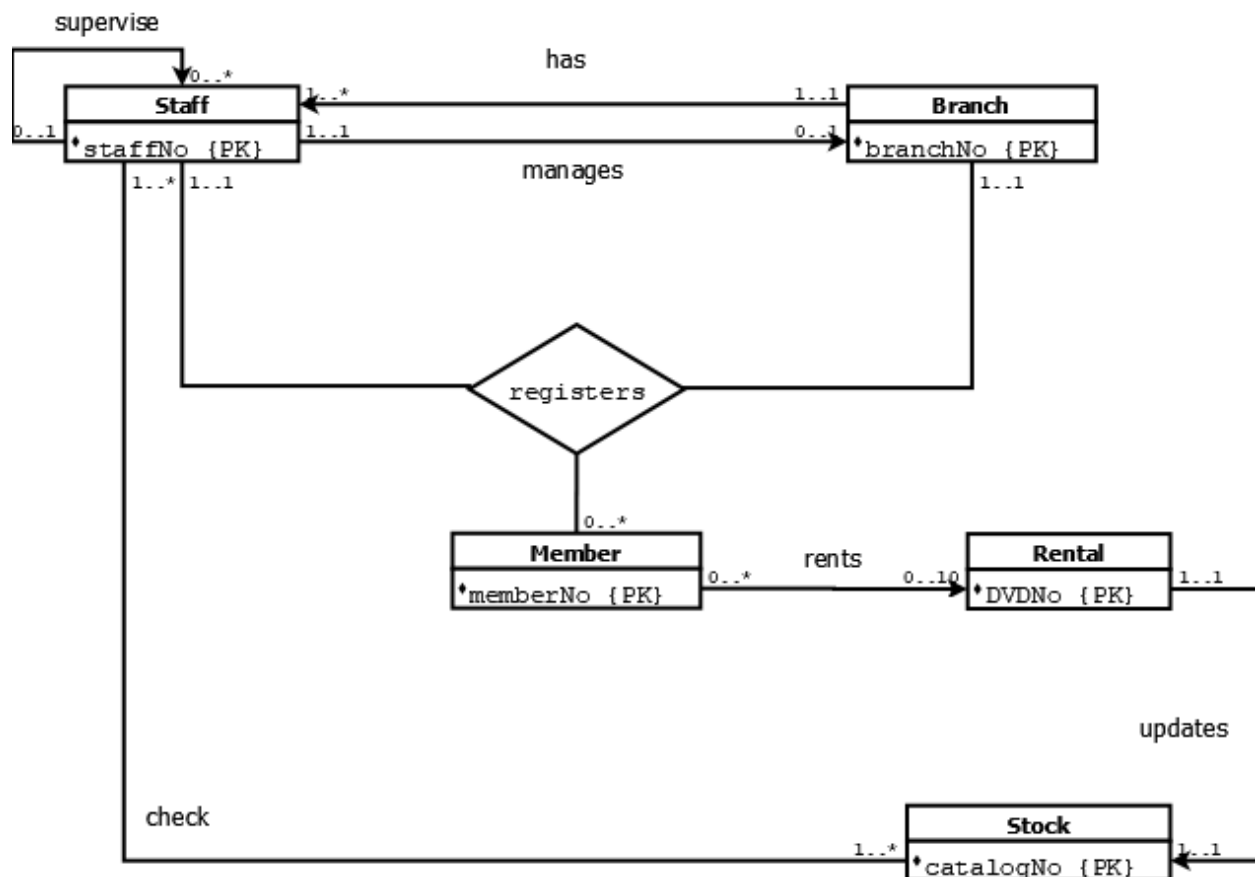
May 2, 2019

Week 4 Homework

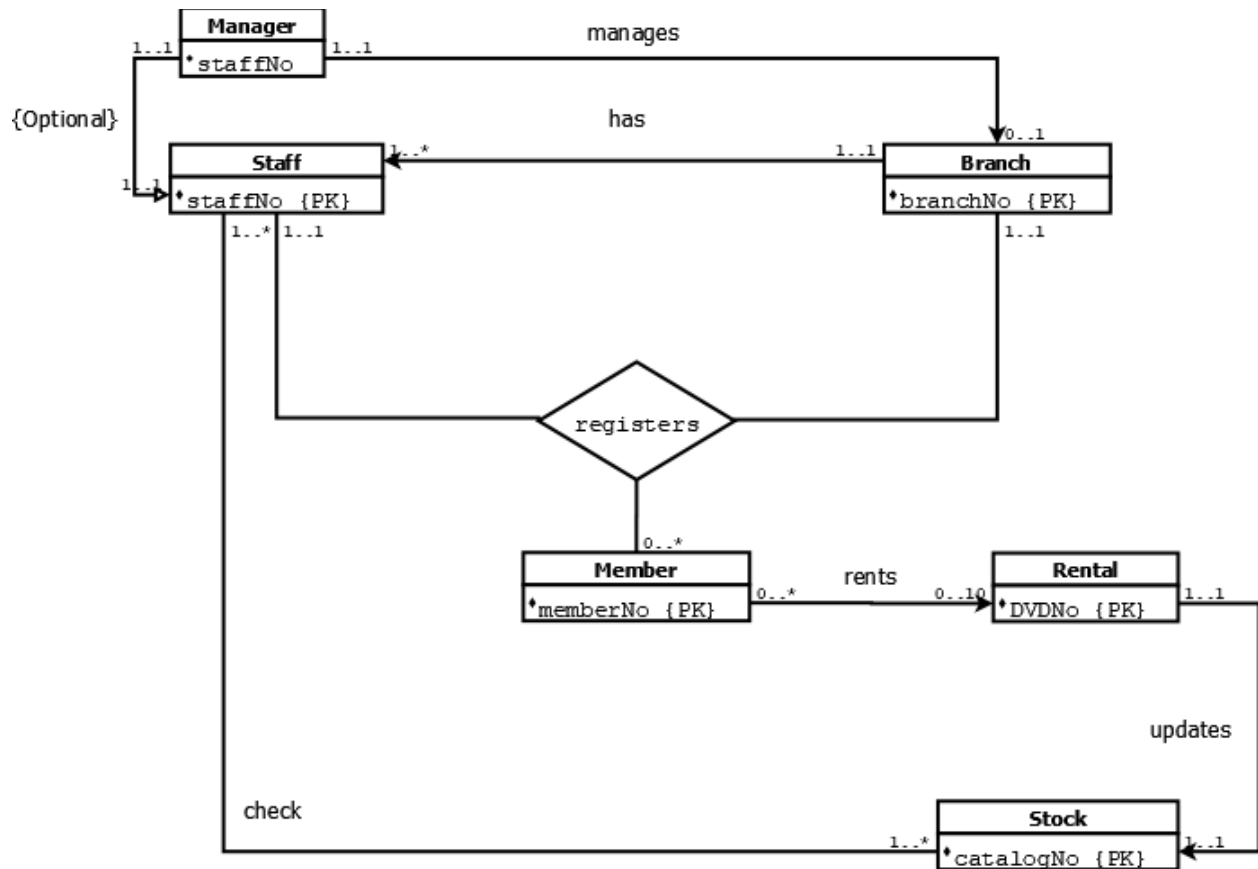
13.10

Consider whether it is appropriate to introduce the enhanced concepts of specialization/generalization, aggregation, and/or composition into the ER model for the case study described in Exercise 12.12. If appropriate, redraw the ER diagram as EER diagram with the additional enhanced concepts.

Original ER Diagram



EER Diagram



The only addition is the addition of the Manager subclass from staff. However, both entities would be the same, thus there is no obvious advantage to introduce the manager specialization. This means that it is not appropriate to introduce the concept of specialization into the ER model.