

In Class: A bank's database needs to store information about **employees** (keyed by **SSN**, with additional attributes of **name**, **salary**, and **phone**); **branches** of the bank (keyed by **bno**, with **bname** and **address** as additional attributes); and **customers** (keyed by **SSN**, with additional attributes **name** and **address**). Each **employee** is assigned to exactly one **branch** of the bank, with the start date at that branch recorded. Each **employee** is managed by at most one other **employee**. A **customer** has some combination of one or more **loans** from the bank and/or one or more deposit **accounts** with the bank. Each **loan** is identified by a **loan-number** with a record of the current **balance**. A complete history of loan payments is recorded giving the **payment date** and **payment amount** for each payment on the loan. There are never two payments for the same loan recorded for the same date. Each **loan** is administered by exactly one **branch** of the bank. An **account** is identified by an **account-number**, with an additional indication of the **current balance**. An **account** may be a checking account (with an allowable **overdraft** amount recorded) or a savings account (with an **interest rate** recorded).

Draw a UML diagram that captures this information.