

Homework #2

Management of Bank activities

A bank wishes to design a database to manage some activities of its Italian branches.

- The bank has a variety of branches throughout the Italian area. Each branch is identified by a code and it is characterized by the name, the address (i.e., region and city) and the telephone number. The bank's customers are characterized by Social Security Number (SSN), full name (name and surname), date of birth, address (i.e., region and city) and email.
- For each customer the database stores the list of branches in which he/she has at least a bank account. Each customer may have different bank accounts in the same branch and/or different bank accounts in different branches.
- The bank organizes some meetings periodically. Each meeting is identified by a unique code and it is characterized by the branch at which it takes place, the meeting date and time, and list of addressed topics (if available). The meetings are classified as ordinary and extraordinary meetings. For extraordinary meetings the motivation for which the meeting was called is stored. A report is written at the end of each meeting. Each report is identified by a code and it is characterized by the meeting for which it was written, a brief description and the meeting duration.
- Each branch manages different savings plan. Each savings plan is identified by a code that is unique within *all* savings plan referring to the same branch and it is characterized by the subscribing customer and a brief description.
- Each savings plan is associated with a set of deposits. Each deposit is identified by a code unique within the corresponding savings plan and it is characterized by the due date of payment and the corresponding amount.