

Weather Incidents

ISWSoft has been hired to develop a system to record information about weather incidents. Any time a weather incident occurs an employee uses the system to record its date, time and duration. The employee also selects the names of the cities affected by the incident. Cities are also registered in the system with their population to know the potential number of affected people when a weather incident occurs. Every incident belongs to a type of incident. Types of incidents are identified with a code and have a name and a description. Several incidents may belong to the same type of incident. In addition, given that several cities may be affected by an incident, the system must also record the total cost of the damage caused by an incident on each city affected. This is useful to know the cities that were more severely affected by a weather incident. To calculate the total damage cost for each city and incident, the system allows people to record damage produced in their belongings. To do so, any person may select first an incident, then a city affected by the incident and finally insert a damage description, the address where the damage was produced and its associated cost.

Question: Obtain the UML class diagram for the previous system. Do not consider any information about the employees or the people who use the previous system