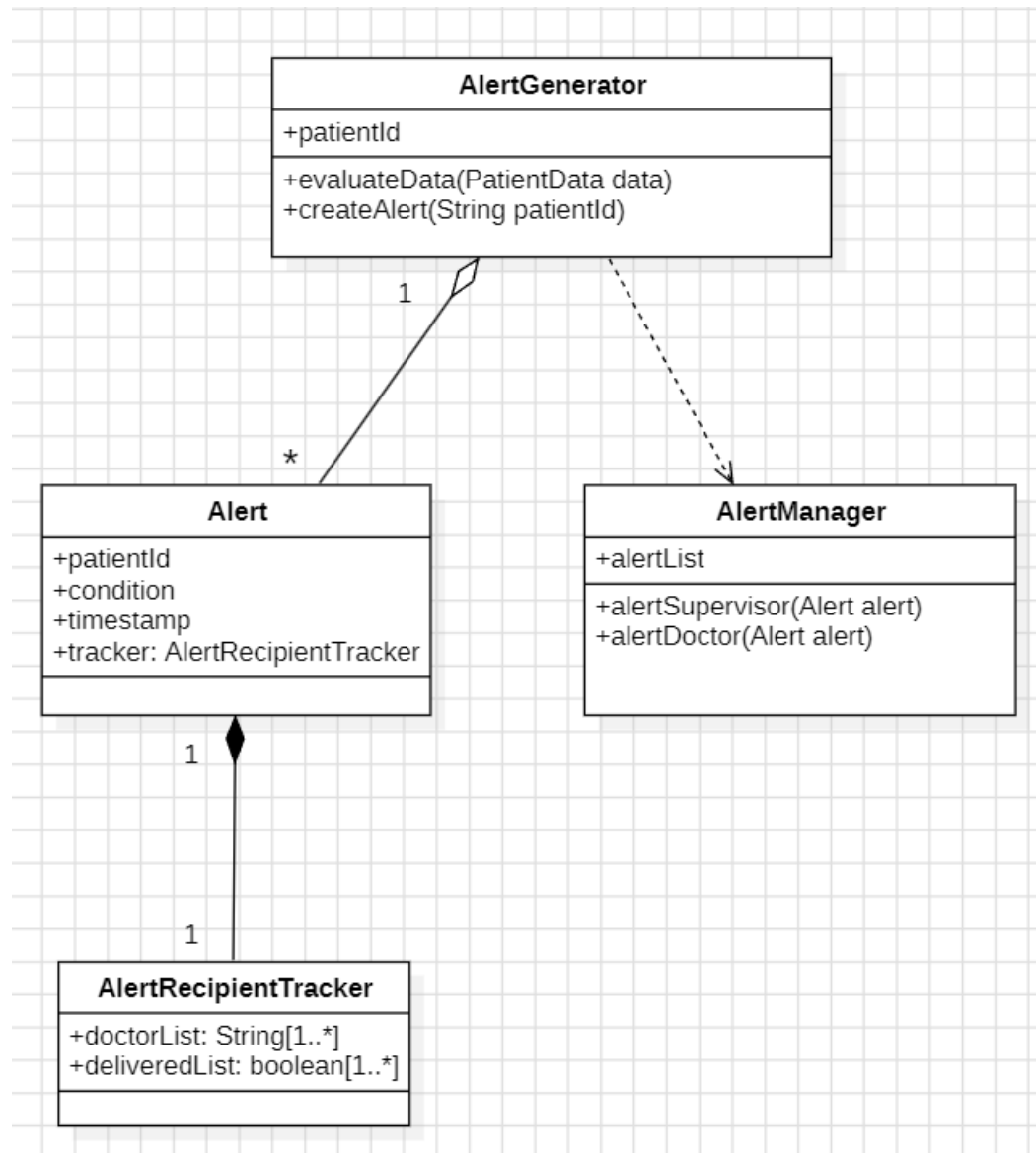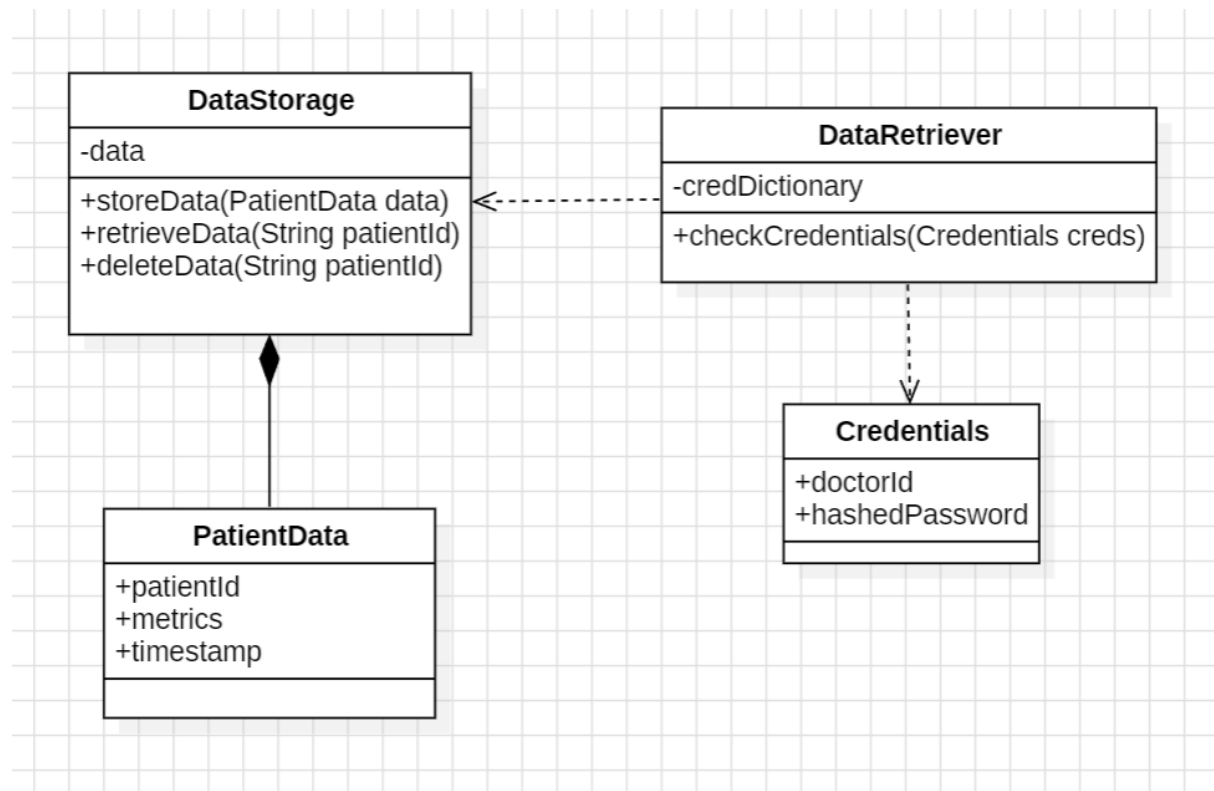# Alert generation system

In the alert generation system, there can be a number of instances of `AlertGenerator`. Any of these instances can create an alert and add it to the single existing instance of `AlertManager`.

The `AlertManager` itself, loops over the alerts in alertList and tries to communicate each alert to its appropriate recipient. First it finds the doctors assigned to that particular patient via a method in `DataStorage` (shown later). It tries to alert the patient's doctors and records any confirmations in the deliveredList array in the `AlertRecipientTracker` class associated with that alert. If none of the doctors can be reached, we use the alertSupervisor method instead.

Data storage system

Medical professionals will use the `DataRetriever` class to access patient data. But attempting to do so they must give their doctorId and their hashed password.

The `DataRetriever` then uses the checkCredentials method to see if their input exists in the credDictionary data structure. If it does, it can access static methods of the `DataStorage` class.

Each instance of the `Credentials` contains the information of a particular doctor.