



The laboratory has branches in different locations; each branch has a code, short name, detailed address composed of city, area, street, building no and floor no.

- There is a group of medical tests, which the branch provides. Each test has a code, name, cost, duration that each test takes until the result is ready and finally the related conditions for some tests to guarantee the result accuracy.
- When the patient visits the branch to perform a test or more, there are some data needed about this patient to record by the system: patient ID, full name, age, mobile number, date of birth, gender and if he/she has chronic diseases.
- The system needs to save additional information when a patient visited a certain branch to perform specific test/s, this info is the date and time of performing the test.
- Finally, the system has to keep track of the employees working in each branch by storing employee ID, full name, salary, team (which employees belonging to ex: chemists' team, clean workers team, accountants' team, doctors team, etc.) and also we record the start and end time the employees spent to keep track of the duration (Ex: fixed hours from 8:00 am to 5:00 pm)
- Each employee must be assigned in only one branch and each branch may have many employees.
- In addition, the direct supervisor of each employee has to be considered (if any).
- Every branch must have only one manager and a manager is not allowed to manage more than one branch.