

TITLE: DATABASE FOR MUNICIPAL CORPORATION

Members:

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SCOPE OF DATABASE:

As name suggests database supposed to keep records which any municipal corporation would do: Details of citizen's properties and dependents, employee who work at corporation, services and resources provided by corporation, tax payments of citizens, etc.

DESCRIPTION:

Municipal corporation provides many services like water supply, Sewage collection and disposal, Electricity and gas supply, Municipal health supply, roads, storm water drainage, street lighting, parks and recreation. Citizen pays to municipal corporation for these services. Corporation also collects money as taxes which they use in welfare of the city.

It keeps details of properties owned by citizen and collects data according to that. Citizen has one or more properties. Citizen has to register his properties to municipal corporation. As we know that municipal corporation needs people to do this works. So, we have added employee table in database which certainly has details of employee who works at municipal corporation classify by their departments. If citizen doesn't pay services charge or taxes in due date then they have to pay penalty. Some services provided by municipal sometimes isn't efficient, citizen should complain about this so, we added table which shows description of complain. Database also need to keep records of resources which corporation has e.g. equipment for maintenance, trucks to collect disposal, vehicle to make roads, etc.

For citizen, typically we have attributes: CitizenID, name, Address, propertyID, DoB, mobile no., Email. For each services, we have ServiceID, Name, department, etc. For each property we have PropertyID, CitizenID, PropertyType, Add, services. They are also tables like employee, dependents, taxpayments, resources, penalty, complain, etc.

SAMPLE QUERIES:

1. Retrieve all citizen who have more than one property.
2. Retrieve all citizen who have paid more than given amount.
3. Retrieve all citizen who have paid through online payment.
4. Retrieve all citizen who have paid more than one penalty in given year.
5. Retrieve department who have most complain.
6. Retrieve details of all employee who have more than one property.
7. Retrieve total amount of payment for water supply service.
8. Retrieve all citizen who are employee and also have penalty.
9. Retrieve all citizen who pays more than given amount for electricity supply.