Describe the problem in a paragraph :

We have chosen to study the organization of the French administration. This project will allow us to grasp the relationships between political figures, between the different organizations, to draw up a representation of the political diversity of the major bodies of the administration during a given period. The database contains the central administration, the territorial administration of the state and includes the institutions, organizations as well as the political and administrative members attached.

List the entities that you plan to create (between 20 and 30 tables) :

Attribute	Entities
Name of the president of the lower house	President of the national assembly
Election date	President of the national assembly
Predecessor	President of the national assembly
District	President of the national assembly
Name of the lower house	Lower house
Name of the president of the lower house	Lower house
# Name of the deputy	Lower house
# Number of deputy	Lower house
Political party of the majority	Lower house
Name of the deputy	Deputies
Age	Deputies
Sex	Deputies
Political party	Deputies
# Name of the president of the upper house	Parliament
# Name of the president of the lower house	Parliament
Number of deputies	Parliament
Number of senators	Parliament
Name of the upper house	Upper house
# Name of the senator	Upper house
# Name of the president of the upper house	Upper house
Number of senators	Upper house
Political party of the majority	Upper house

Attribute	Entities
<u>Name of the president of the upper house</u>	President of the senate
Election date	President of the senate
Predecessor	President of the senate
District	President of the senate
Political party	President of the senate
<u>Name of the senator</u>	Senators
Sex	Senators
Political party	Senators
Age	Senators
<u>Name of the Prime Minister</u>	Government
# Name of the head of government	Government
# Name of the president of the lower house	Government
# Name of the president of the upper house	Government
<u>Name of the head of government</u>	Head of Government
Political party	Head of Government
Sex	Head of Government
Age	Head of Government
Duration of position	Head of Government
Nature	Head of Government
<u>Name of the ministry</u>	Ministry
# Name of the minister	Ministry
Name of the spokesperson	Ministry
Amount of the budget	Ministry
<u>Name of the minister</u>	Minister
Sex	Minister
Age	Minister
Government and name of the first minister	Minister
<u>Name of the head of state</u>	Head of state
Nature	Head of state
Political party	Head of state
Date of election	Head of state

Attribute	Entities
Predecessor	Head of state
Sex	Head of state
Age	Head of state
Name of the country	State
# Name of the head of state	State
# Name of the head of government	State
State form	State
# Name of the upper house	State
# Name of the lower house	State
Name of the country	Country
Number of inhabitants	Country
Number of regions	Country
Number of departments	Country
Official language	Country
Capital	Country
# Name of the region	Country
# Name of the department	Country
Name of the region	Region
Number of departments	Region
# Name of the president of the region	Region
Chief town of the region	Region
Area	Region
Population	Region
Density	Region
Name of the president of the region	President of the region
Starting date of the proposition	President of the region
# Name of the region	President of the region
Sex	President of the region
Age	President of the region
Predecessor	President of the region
Name of the president of the region	Regional council

Attribute	Entities
Number of employees	Regional council
# Name of the city	Regional council
# Name of the region	Regional council
Name of the department	Department
Number of collectivities	Department
Number od districts	Department
# Name of the president of the department council	Department
# Name of the city	Department
Name of the president of the department council	Department council
Number of employees	Department council
City	Department council
# Name of the department	Department council
Name of the president of the department council	President of the department council
Starting date of the proposition	President of the department council
Predecessor	President of the department council
# Name of the department	President of the department council
Sex	President of the department council
Age	President of the department council
Name of the city	City
# Name of the mayor	City
Name of the deputy mayor	City
Number of inhabitants	City
# Name of the department	City
Name of the mayor	Mayor
Date of election	Mayor
Political party	Mayor
Predecessor	Mayor

Provide the design (MCD) :

Entity-Relationship Diagram

President of the national assembly
- Name of the president of the lower house
- Election date
- Predecessor
- District
- Political party

President of the senate
- Name of the president of the upper house
- Election date
- Predecessor
- District
- Political party

Upper house
- Name of the upper house
- Political party of the majority
- #Name of the president of the upper house
- # Name of the senator
- Number of senators

Minister
- Name of the minister
- Sex
- Age
- Gouvernement and name of the first minister

State
- Name of the country
- State form
- # Name of the head of state
- # Name of the head of government
- #Name of the upper house
- # Name of the lower house

President of the department council
- Name of the president of the department council
- Starting date of the position
- Predecessor
- Sex
- Age
- # Name of the department

Ministry
- Name of the ministry
- # Name of the minister
- Name of the spokesperson
- Amount of the budget

Head of state
- Name of the head of state
- Nature
- Political party
- Date of election
- Predecessor
- Sex
- Age

Department council
- President of the department
- Number of employees
- City
- # Name of the department

Mayor
- Name of the mayor
- Date of election
- Political party
- Predecessor

Senators
- Name of the senator
- Sex
- Political party
- Age

Country
- Name of the country
- Number of inhabitants
- Number of regions
- Number of departments
- Official language
- Capital
- # Name of the region
- # Name of the department

Parliament
- Name of the president of the upper house
- Number of deputies
- Number of senators
- #Name of the president of the lower house

Head of Government
- Name of the head of governement
- Political party
- Sex
- Age
- Duration of position
- Nature

Departments
- Name of the department
- Number of collectivities
- Number of districts
- # Name of the president of the department council
- # Name of the city

Lower house
- Name of the lower house
- Number of deputies
- Political party of the majority
- # Name of the president of the lower house
- # Name of the deputy

Government
- Name of the Prime Minister
- # Name of the president of the lower house
- # Name of the president of the upper house
- # Name of the head of government

Region
- Name of the region
- Number of departments
- Chief town of the region
- Area
- Population
- Density
- # Name of the president of the region

City
- Name of the city
- Name of the deputy mayor
- Number of inhabitants
- # Name of the mayor
- # Name of the department

Deputies
- Name of the deputy
- Age
- Sex
- Political party

President of Region
- Name of the president of the region
- Starting date of the position
- Sex
- Age
- Predecessor
- # Name of the region

Regional council
- President of the region
- Number of employees
- City
- # Name of the region

Relationships

- chose by — 1,N / 1,1
- head — 1,1 / 1,1
- manage — 1,1 / 1,1
- coordinate — 1,N / 1,1
- is — 1,1 / 1,1 / 1,1
- presides — 1,1 / 1,1
- sit in — 1,1 / 1,N
- is presided — 1,1 / 1,1
- appoints — 1,1 / 1,1
- is divided by — 1,1 / 1,1 / 1,1
- serve — 1,N / 1,1
- is divided into — 1,1 / 1,N
- hold — 1,1 / 1,1
- gouverns — 1,1 / 1,1
- is made up — 1,N / 1,N
- are located in — 1,N / 1,1
- leads — 1,1 / 1,1
- is composed — 1,1 / 1,N
- suggests laws to — 1,1 / 1,1
- is headed by — 1,1 / 1,1
- have — 1,1 / 1,1
- Runs a — 1,1 / 1,1