Entity Sets:
- **Citizen**(Aadhar_no, first_name, last_name, date_of_birth,{phone_number}, age, caste)
- **Census_data**(census_id,year,population,demographics,description)
- **Environmental_data**(report_env_id,issue_type,description,report_date,rainfall,groundwater_level,pollution_data)
- **Asset**(asset_id,type,value,location,name)
- **Expenditure**(expenditure_id,amount,expenditure_date,purpose,category,payment_mode,financial_year)
- **Income**(income_id,amount,incomeDate,source, financial_year)
- **Tax**(tax_id,amount,paymentDate,status,payment_mode,financial_year,citizen_id)
- **Service**(service_id,type,status,request_date)
- **Welfare_Scheme**(scheme_id,name, description,start_date,end_date)
- **Agricultural_data**(report_agri_id,cropType,area,yield,reportDate,citizen_id)
- **Panchayat_committee**(comittee_id,name,purpose)
- **Panchayat_member**(member_id,first_name,last_name,role,{contact})

Relationship Sets:
- **Reports**(citizen_id,report_id)
- **Benefits**(scheme_id,citizen_id)
- **Requests**(service_id,citizen_id)
- **Pays**(tax_id,citizen_id)
- **Earns**(income_id,,citizen_id)
- **Incurs**(expenditure_id,citizen_id)
- **Owns**(asset_id,citizen_id)
- **Submits(**citizen_id,report_id)
- **includes**(census_id,citizen_id)
- **Belongs**(comitte_id,member_id)
- **Oversees**(comittee_id, report_agri_id,scheme_id, service_id,tax_id,income_id,expenditute_id,asset_id,report_env_id,census_id)

Aggregation is utilized in the **"Oversees"** relationship, which consolidates multiple activities and entities under the supervision of the Panchayat Committee. This relationship aggregates diverse aspects such as agricultural reports, environmental reports, taxes, services, welfare schemes, and census data of the citizens. By aggregating these relationships, the model simplifies the representation of complex interdependencies, such as how the Panchayat Committee oversees a wide array of critical operations and resources, ensuring efficient management and accountability.

Entity-Relationship Diagram

Panchayat_Committee
- **Comittee-id** (underlined)
- name
- first-name
- last-name
- Purpose

Panchayat-Member
- **member-ID** (underlined)
- name
- first-name
- last-name
- role
- { contact }

belongs: Panchayat_Committee `0..*` — `1..1` Panchayat-Member

oversees: Panchayat_Committee `1..*` — `1..1`

Census data
- **census-ID** (underlined)
- year
- population
- demographics
- description

includes: Census data `0..*` — `1..1` Citizen

Agricultural_data
- **report ID** (underlined)
- cropType
- area
- yield
- report Date
- CitizenID

reports: Agricultural_data `0..*` — `1..1` Citizen

Environmental Data
- **report ID** (underlined)
- issueType
- description
- report Date
- rainfall
- groundwater level
- pollution data

Submits: Citizen `1..1` — `0..*` Environmental Data

Citizen
- **citizen ID** (underlined)
- name
- first-name
- last-name
- date of birth
- { Phone number }
- age
- caste
- aadhar number

Welfare_Scheme
- **Scheme_ID** (underlined)
- name
- description
- start date
- end Date

benefit: Welfare_Scheme `0..*` — `1..1` Citizen

Asset
- **asset ID** (underlined)
- type
- value
- location
- name

owns: Citizen `1..1` — `0..*` Asset

requests: Welfare_Scheme `1..1` — `0..*` Service

Service
- **Service ID** (underlined)
- type
- Status
- request date

Pays: Citizen `1..1` — `0..*` Tax

Tax
- **tax-id** (underlined)
- amount
- paymentDate
- status
- payment mode
- financial year
- CitizenID

earns: Citizen `1..1` — `0..*` Income

Income
- **income ID** (underlined)
- amount
- income Date
- source
- financial year

incurs: Citizen `1..1` — `0..*` Expenditure

Expenditure
- **expenditure ID** (underlined)
- amount
- expenditure date
- purpose
- category
- payment mode
- financial year