Modifications based on Phase 1 feedback:
- Remove the derived Type attribute of User Entity.
- Changed Municipality to have a single attribute "municipality type"
- Removed resource_owner attribute
- Removed i_owner attribute
- Change Resource to ESF relationship:
  o N:1 relationship for Primary ESF, with mandatory participation on Resource.
  o M:N relationship for additional (secondary) ESF, with no mandatory participation requirement.
- Change Return_by from a derived attribute to a simple attribute.
- Removed request_status
- Change the relationship of Resource to Cost_per to N:1, total participation on Cost_per.

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ER Diagram entities and relationships:

- **municipality_type** — Municipality
- **Job_Title**, **Date_Hired** — Individual User
- **Local_Office**, **Agency_Name** — Government Agency
- **Headquarter_location**, **Num_of_Employees** — Company
- Municipality, Individual User, Government Agency, Company — **d** — USER
- USER attributes: Name, Password, <u>Username</u>
- USER — 1 — Reports — N — Incident
- Incident attributes: <u>Incident_ID</u>, Location, Description, Date, longitude, latitude
- Incident — N — Declared As — 1 — Declaration
- Declaration attributes: <u>Abbreviation</u>, Incident_description
- USER — 1 — submits — M — Requests
- ESF — <u>ESF_ID</u>, ESF_description
- ESF — 1 — Function — M — Primary_ESF, Additional_ESF
- Function — N — Resource
- USER — 1 — Owns — N — Resource
- Incident — 1 — has many — M — Requests
- Requests — M — has many — 1 — Resource
- Requests attributes: Deployment_Date, Return_by
- Resource attributes: Resource_Status, <u>Resource_ID</u>, Home_Location (latitude, longitude), Resource_Name, Model, Max_Distance, Capabilities, Cost_amt
- Resource — N — Measured_by — 1 — Cost_per
- Cost_per — Unit