Tables: (azure table) noSQL

Coordinates
finding_id,VARCHAR(4),FK
user_id,VARCHAR(4), FK
latitude,DOUBLE
longitude,DOUBLE
timestamp,TIMESTAMP

User
user_id,VARCHAR(4),PK
type,BOOLEAN
firstname,VARCHAR (30)
lastname,VARCHAR (20)
mail, VARCHAR (20)
registration_date, Date

Finding
finding_id,VARCHAR(4),PK
user_id,VARCHAR(4),FK
plant_id,VARCHAR(4),FK
message,VARCHAR(200)

UserCredentials
user_id   user_id
username   username,
password,VARCHAR   VARCHAR

Plant
plant_id (PK)   VARCHAR(4)
name   VARCHAR(20)
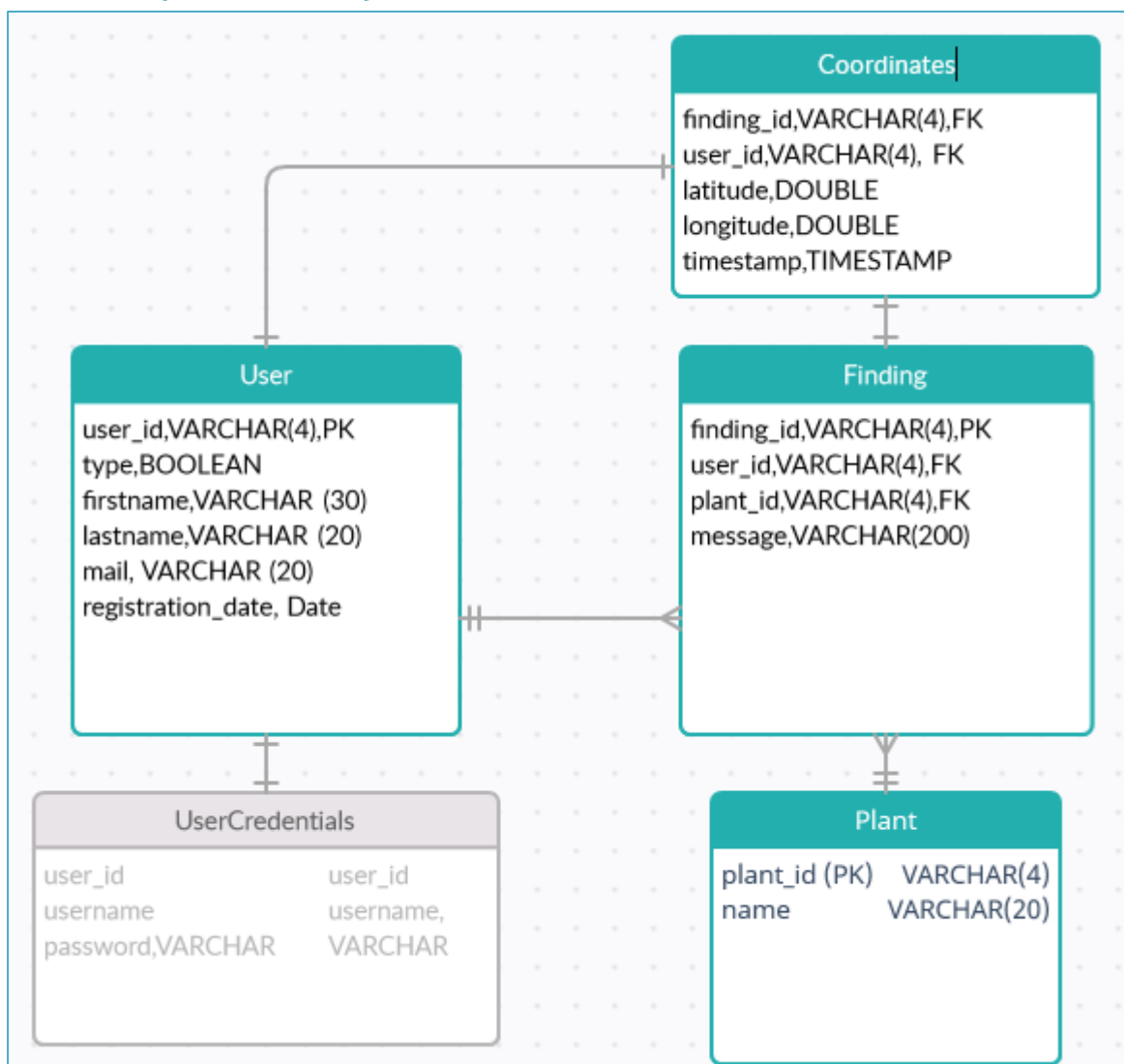
- **User:**
  - userId
  - type
  - firstname
  - lastname
  - mail
  - (Localitate)
  - Judet)
  - (lista plante alergice)
- (**User Credentials:**
  - userId
  - username
  - password)
- **Plant:**
  - plantId
  - name
- **Finding:** (place with ambrosia)
  - findingId, (rowKey)
  - userId,
  - plantId (partitionKey)
  - message
- **Coordinates:**
  - findingId
  - userId
  - latitude
  - longitude
  - (timestamp- auto generated)

Web API: .Net – in a Docker container

- Use AzureMaps to create a map with custom layer of findings
- Using RESTSharp package to access different endpoints
- Using OAuth for user authentication

Struct: AccountType

- admin, admin can delete a basicAccount, (can add new plants), can delete delete findings
- basic, can add new findings, can view existent findings

BackgroundWorker Function

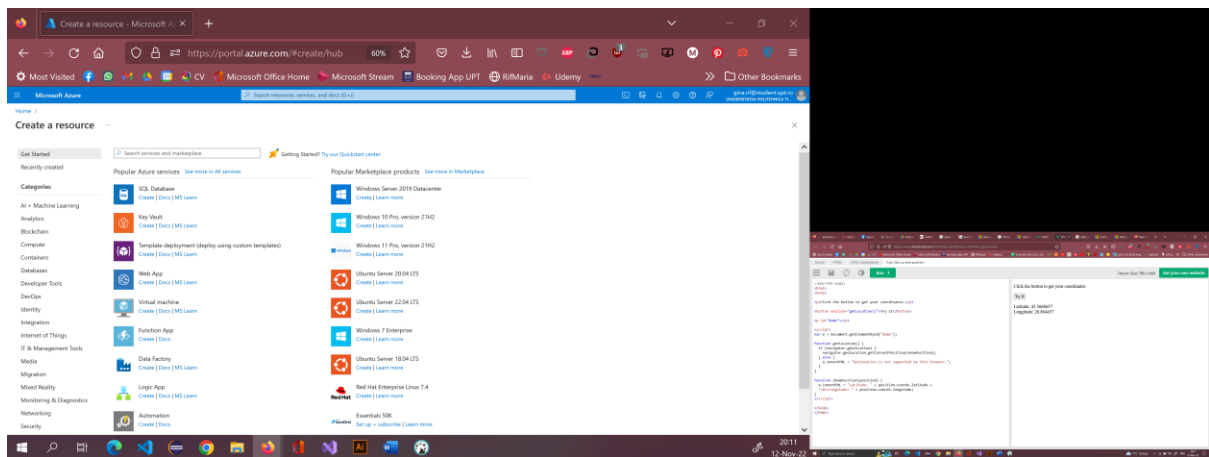# Azure Function: as background workers – in a different Docker container

- getNearbyFindings care apeleaza

Azure Web Job

- Rapor zilnic cu totalul de rapoarte existente pe judet

Getting user location

https://www.w3schools.com/html/tryit.asp?filename=tryhtml5_geolocation

Add map pin https://learn.microsoft.com/en-us/azure/azure-maps/map-add-pin

https://learn.microsoft.com/en-us/azure/azure-maps/map-add-popup