**Database Design**

* The Database will be a cloud hosted AWS/AZURE (yet to decide) My/SQL DB.

Tables:

* BABY\_CALM\_METHODS:
  + Will detail all possible methods the system can use to calm down the baby
  + Columns (tentative): [String -> VARCHAR in SQL]
    - id: int
    - name: String
    - type: String
    - description: String
    - priority: int (what’s played first when a baby cries)
* GENRAL\_INFORMATION\_AND\_SETTINGS:
  + All general information required by the system about a user and the settings they choose:
  + Columns (tentative): [String -> VARCHAR in SQL]
    - id: int
    - userName: String
    - waitTimeAfterTryingCalmMethods: int
* SENSOR\_DATA:
  + All the information being collected by the sensors. The sensors will be triggered every 30 seconds (tentative)
  + Columns:
    - id: int
    - timestamp: Timestamp
    - temperature\_sensor\_Temperature: int
    - temperature\_sensor\_Humidity: int
* BABY\_ANALYSIS:
  + This will continually be built on as time goes on and the baby gets to know the baby more.
  + Columns (tentative): [String -> VARCHAR in SQL]
    - Id: int
    - babyname: String
    - babyAge: int
    - babyHeight: int
    - babyWeight: int
    - averageNumberOfWakeupsPerDay: int (number of times system alerted)
    - averageWakeupTimesPerDay: String (Comma separated list of times, CSV)
    - averageNumberOfFeedsPerDay: int
    - averageFeedTimesPerDay: String (Comma separated list of times, CSV)
    - favouriteDayTimeCalmDownMethod: String (FK from BABY\_CALM\_METHODS)
    - favouriteNightTimeCalmDownMethod: String
    - preferredTemperature: int