Initialize sensors and variables

Initialize available location service (GPS provider or network provider)

Sync local database with back end

While service is active

Get live jobs from local database

If job found choose first record

While job status is alive

If upload timeout reached upload data

If job is in valid location range and time range

persist sensor reading data into local database

thread sleep for the job frequency till next reading needed

else

if job expired or out of location range

update the correct job status

sync local db with back end

get live jobs from local db

if there is any live job select the first job

else if job is yet to start

sleep the thread till it start it

update the job status

else

sleep thread for constant amount of time

sync local db with back end