Flow chart for the Vehicle Locations Case Study

iPhone Local DB (.sqlite)

Stop capturing the location

Save location data in Sqlite file

Update the location on specific time intervals based on the vehicle current speed and changes in the speed

if speed >= 80 then timeinterval = 30 secs

if speed < 80 and speed >= 60 then timeinterval = 60 secs

if speed < 60 and speed >= 30 then timeinterval = 120 secs

if speed < 30 then timeinterval = 300 secs

Save location data with timestamps in .sqlite file using Apple Core Data

User taps the “Stop” button in the app

User taps the “Start” button in the app

Check the vehicle speed