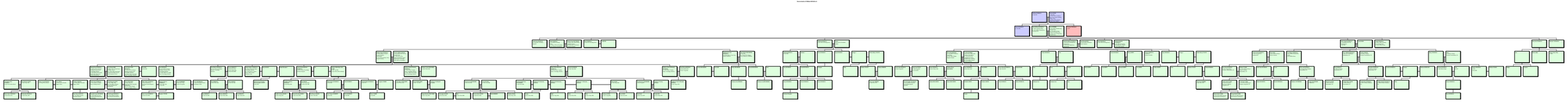Source Code of CMBA-MCBA.ts