Location tracker

Location tracker is a library for tracking user location in the background with custom timeout (by default 1 hour). Library has 2 access options: through LocationApi or with ContentProvider.

LocationApi - class to control service work (start/stop), check service status (run / shutdown), setup or get Timeout of location updates, get last 10 locations saved to DB.

ContentProvider - gives possibility to read locations, read or setup location update timeout.

LocationData - just a regular POJO object to store GPS coords and timestamps.

Other parts of the library are more or less hidden from users.

Location service - is Foreground Service, so it can work even with stopped application, run and control GPS listener and saving data from LocationManager to database.

ServiceLocator - used instead Dependency Injection (mostly just for fun). Totally hidden from end users.

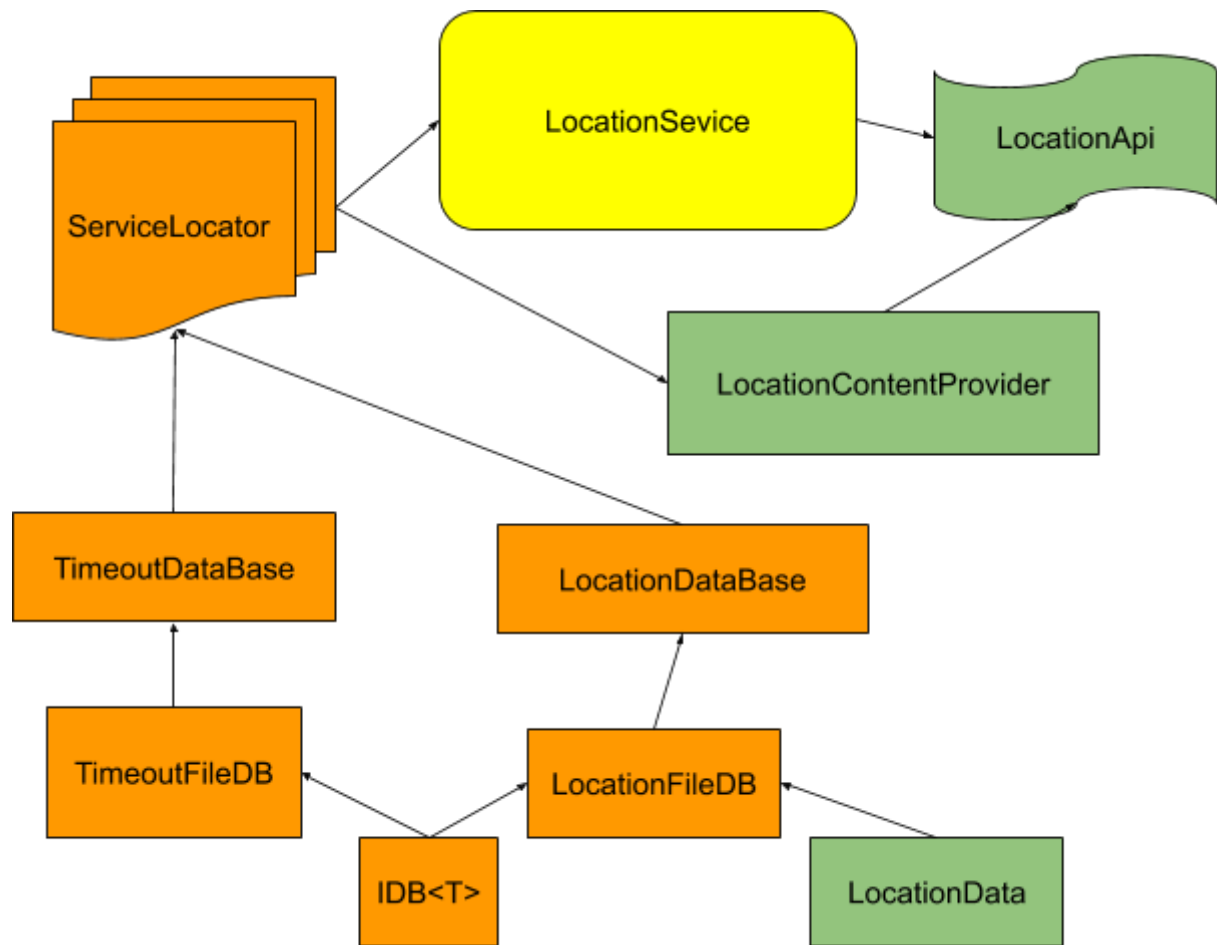**LocationDataBase -** class wrapper to LocationFileDB. Has methods to read and write location.

LocationFileDB - inherited class of IDB for saving and reading location data. Used as file db.

TimeoutDataBase - class wrapper to TimeoutFileDB. Has a method to read and write location.

TimeoutFileDB - inherited class of IDB for saving and reading timeout. Used ad file db.

IDB - interface for database.

Library based on Foreground service "**LocationService**", in the library used only Android SDK for development + Mockito, Roboelectric for testing.

Schema of class dependency.