Cache

- Local cache / Data Persistence
  - Hard drive
  - Sharedpreferences
  - Database / SQLite
  - ContentProvider
    - Implemented by SQLite, expose Uri
    - Shared/Open data to other applications
- Memory cache
- Network source

Process:

- Load data from local cache into memory cache
  - If local data not exists
    - Download from network source, then cache it into local cache and memory cache
  - If local data "expired"
    - Download from network source, then cache it into local cache and memory cache
- Get data from memory
  - If memory data not exists
    - Get data from local, then cache is into memory
  - If memory data and local data not exists
    - Download from network source, then cache it into local cache and memory cache

Decryption:

- ViewModel: Lifecycle.Transformations.switchMap() / map() Encription
- Repository: eg: NetworkBoundResource