Ethergram Documentation

A very small documentation about Ethergram and its source code.

1. Telegram source code

Since the original Telegram messenger app source code is missing a proper documentation, I will report below what I was able to understand.
Note that is in no way a comprehensive documentation, this is just what was needed to start developing Ethergram.

- LoginActivity
  Implemented for managing the user login, used only the first time the app is opened.

- LaunchActivity
  The main activity (where your various chats are listed).
  It opens after LoginActivity when you first run the app.
  - sideMenu: Used to add the option to open EthereumWalletActivity.

2. Ethergram abstract

Ethergram aims to integrate a fully functional Ethereum wallet client to the Telegram messenger android app.
Ethergram does not use API from centralized companies (like Infura) to access a node on the Ethereum network, as this goes against the decentralization principle of Ethereum.
Instead, Ethergram connects to a local node running with geth in light mode, so it doesn't download the entire blockchain.

3. Ethergram source code

Following, some documentation about the already written code.

- EthereumWalletActivity
  This is the main activity of this project. Here will be implemented the interface to interact with the blockchain. If you want to look at how Ethergram connects and manage to interact with the Ethereum blockchain, this is the class you're looking for.

- GethNodeHolder
  A class used to implement the singleton pattern: only one geth node can be running at a time.

This documentation is far from comprehensive and will be updated in the future.