

Bitcoin Final Project - Multi-wallet

Team 3 of Group 2

A. Description:

In the final project, we're responsible for writing a multi-wallet, a crypto-wallet that can support multiple kinds of crypto-coins. In our case, the three kinds of crypto-coins that we chose to support are Bitcoin, Ethereum, and IOTA.

B. Architecture

Our wallet is a web-wallet. Its backend is written in Python and is based on the Django framework. The frontend has nothing special but only some HTML, Javascript, and CSS.

In essence, the backend of our wallet works as a thin layer over the APIs given by each coin's full-node. To use those APIs in Python, we installed Bitcoin-JSONRPC for Bitcoin, Web3.py for Ethereum, and PyOTA for IOTA, and then we use them to communicate with the full-nodes.

C. Screenshots



