Design Specification

- The Whole Code will be Divided into Three submodules
- Minimal Imports and Dependencies are preferred

1. Wallet
2. Node
3. Consensus

- Other utils such as connectors and parsers common to these three modules needs to be placed in the utils module

1. Wallet
- Handling of keys
- Signing transaction
- New keys generation
- Wallet-Gui

2. Node
- Connecting to other nodes
- Verifying Transactions
- Synchronizing the chain
- Holding mempool transactions

3. Consensus
- Deciding upon a valid block
- Generating Blocks
- Slashing Bad Actors

Maximum number of unit test must be written

The node and the wallet must also support other consensus apart from PoS.

Things That are not decided yet

- Block Structure
- Transaction Structure
- Protocol for Node interaction

Contributing :

- To Contribute make sure you write unit-tests with maximum coverage for the updated/added code
- You can also use PR to discuss about the undecided part