

Events

- They are called **events** in Solidity and Web3 and **logs** in EVM and Yellow Pages;
- **Each transaction has an attached receipt** which contains **zero or more log entries** that represent the result of events fired from that smart contract;
- **Log entries represent the transaction outcome and are saved on the blockchain;**
They are associated with the contract address;
- Log entries are **historical data** and are **not used for consensus** but are verified;
- Transaction receipt hashes are stored inside block header;
- An event is **generated in the function body** which wants to generate the log;
- **Events can be used inside setter and not getter functions;**
- DApps and web applications listen for events and using web3 can execute a “**JS callback function**” that updates the UI according to the transaction outcome;