

Smart Contract Diagram

sh-ballot
<pre>address chairperson; mapping(address => Shareholder) shareholders; uint numShareholders; Proposal[] proposals; Phase public state; uint public numChoices; VoteMode public votingMode; uint public votingDeadline; uint public votingDuration; uint winner; bool public winnerSelected;</pre>
<pre>modifier validPhase(Phase reqPhase) modifier validVoteMode(VoteMode mode) modifier shareholderRegistered() modifier onlyChair() modifier onlyShareholder() modifier beforeDeadline() modifier validProposal(uint num) modifier canStillVote(address toCheck)</pre>
<pre>function registerShareholder(address shareholder, uint numSharesOwned) public onlyChair validPhase(Phase.Reggs) function setVotingMode(VoteMode mode) public onlyChair function setVoteTimeline(uint8 howLong, uint8 unit) public onlyChair validPhase(Phase.Reggs) function beginVoting() public onlyChair validPhase(Phase.Reggs) function endVoting() public onlyChair validPhase(Phase.Vote) function countVotes() public onlyChair validPhase(Phase.Done) function releaseWinner() public onlyChair validPhase(Phase.Done) function allocateVotesByNumber(uint8 toProposal, uint numVotes) public beforeDeadline shareholderRegistered validPhase(Phase.Vote) validProposal(toProposal) validVoteMode(VoteMode.OnePerShare) canStillVote(msg.sender) function allocateVotesByPercentage(uint8 toProposal, uint8 percentage) public beforeDeadline shareholderRegistered validPhase(Phase.Vote) validProposal(toProposal) validVoteMode(VoteMode.OnePerShare) canStillVote(msg.sender) function getNumRemainingVotes() public view shareholderRegistered returns(uint) function getWinner() public view validPhase(Phase.Released) returns (uint)</pre>