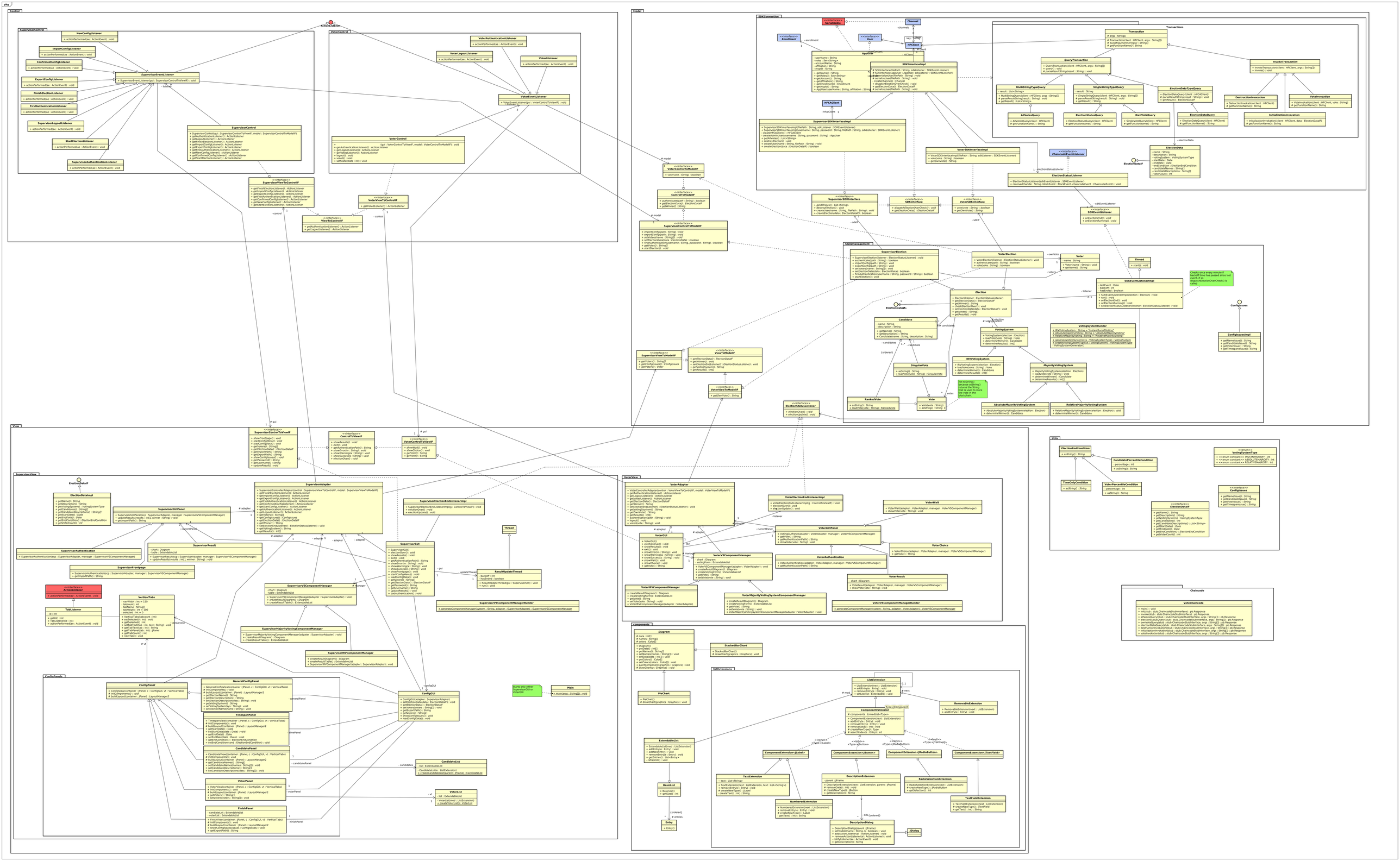
pkg
Control
SupervisorControl
NewConfigListener
+ actionPerformed(ae : ActionEvent) : void
ImportConfigListener
+ actionPerformed(ae : ActionEvent) : void
ConfirmedConfigListener
+ actionPerformed(ae : ActionEvent) : void
ExportConfigListener
+ actionPerformed(ae : ActionEvent) : void
FinishElectionListener
+ actionPerformed(ae : ActionEvent) : void
FirstAuthenticationListener
+ actionPerformed(ae : ActionEvent) : void
SupervisorLogoutListener
+ actionPerformed(ae : ActionEvent) : void
StartElectionListener
+ actionPerformed(ae : ActionEvent) : void
SupervisorAuthenticationListener
+ actionPerformed(ae : ActionEvent) : void
SupervisorEventListener
+ SupervisorEventListener(gui : SupervisorControlToViewIf) : void
SupervisorControl
+ SupervisorControl(gui : SupervisorControlToViewIf, model : SupervisorControlToModelIf)
+ getAuthenticationListener() : ActionListener
+ getLogoutListener() : ActionListener
+ getFinishElectionListener() : ActionListener
+ getImportConfigListener() : ActionListener
+ getExportConfigListener() : ActionListener
+ getConfirmedConfigListener() : ActionListener
+ getNewConfigListener() : ActionListener
+ getFirstAuthenticationListener() : ActionListener
+ getStartElectionListener() : ActionListener
«interface»
SupervisorViewToControlIf
+ getFinishElectionListener() : ActionListener
+ getImportConfigListener() : ActionListener
+ getExportConfigListener() : ActionListener
+ getFirstAuthenticationListener() : ActionListener
+ getConfirmedConfigListener() : ActionListener
+ getNewConfigListener() : ActionListener
+ getStartElectionListener() : ActionListener
- control
«interface»
ViewToControlIf
+ getAuthenticationListener() : ActionListener
+ getLogoutListener() : ActionListener
«interface»
ActionListener
VoterControl
VoterAuthenticationListener
+ actionPerformed(ae : ActionEvent) : void
VoterLogoutListener
+ actionPerformed(ae : ActionEvent) : void
VoteIdListener
+ actionPerformed(ae : ActionEvent) : void
VoterEventListener
+ VoterEventListener(gui : VoterControlToViewIf) : void
VoterControl
+ getAuthenticationListener() : ActionListener
+ getLogoutListener() : ActionListener
+ getVoteIdListener() : ActionListener
+ setGui(gui : int) : void
+ vote(id) : void
+ setState(state : int) : void
«interface»
VoterViewToControlIf
+ getVoteIdListener() : ActionListener
- control
Model
SDKConnection
«interface»
Serializable
Channel
- channels
«interface»
Enrollment
- enrollment
«interface»
User
key : byte[]
cert : byte[]
HFClient
- hfClient
- enrollment
- user
- hfClient
AppUser
- userName : String
- roles : Set<String>
- accountName : String
- affiliation : String
- mspID : String
- enrollment : Enrollment
+ getRoles() : Set<String>
+ getAccount() : String
+ getAffiliation() : String
+ getEnrollment() : Enrollment
+ getMSPID() : String
+ AppUser(userName : String, affiliation : String)
SDKInterfaceImpl
SDKInterface(filePath : String, sdkListener : SDKEventListener)
SDKInterface(filePath : String, sdkListener : SDKEventListener)
deserializeUserFile(filePath : String) : void
serializeUserFile(filePath : String) : void
- createChannel() : Channel
dispatchElectionOverCheck() : void
deserializeUserFile(filePath : String) : void
serializeUserFile(filePath : String) : void
HFCAClient
- hfcaClient
- 1
SupervisorSDKInterfaceImpl
+ SupervisorSDKInterfaceImpl(filePath : String, sdkListener : SDKEventListener)
+ SupervisorSDKInterfaceImpl(username : String, password : String, filePath : String, sdkListener : SDKEventListener)
+ getAllVotes() : List<String>
+ createAdminUser(username : String, password : String) : Appuser
+ getAllVotes() : List<String>
+ getVoteCount() : int
+ createUser(name : String, filePath : String) : void
+ createElection(data : ElectionDataIf) : boolean
Transactions
Transaction
args : String[]
Transaction(client : HFClient, args : String[])
buildArgument(String[] : String)
getFunctionName() : String
QueryTransaction
+ QueryTransaction(client : HFClient, args : String[])
+ query() : void
# parseResultOn(response : String) : void
InvokeTransaction
+ InvokeTransaction(client : HFClient, args : String[])
+ invoke() : void
MultiStringTypeQuery
- result : List<String>
+ MultiStringTypeQuery(client : HFClient, args : String[])
# parseResultOn(response : String) : void
+ getResult() : List<String>
SingleStringTypeQuery
- result : String
+ SingleStringTypeQuery(client : HFClient, args : String[])
# parseResultOn(response : String) : void
+ getResult() : String
ElectionDataTypeQuery
+ ElectionDataQuery(client : HFCAClient)
# parseResultOn(response : String) : void
+ getResult() : ElectionDataIf
DestructionInvocation
+ DetructionInvocation(client : HFClient)
# getFunctionName() : String
VoteInvocation
+ VoteInvocation(client : HFClient, vote : String)
# getFunctionName() : String
AllVotesQuery
+ AllVotesQuery(client : HFClient)
# getFunctionName() : String
ElectionStatusQuery
+ ElectionStatusQuery(client : HFClient)
# getFunctionName() : String
OwnVoteQuery
+ SingleVoteQuery(client : HFClient)
# getFunctionName() : String
ElectionDataQuery
+ ElectionDataQuery(client : HFClient)
# getFunctionName() : String
InitializationInvocation
+ InitializationInvocation(client : HFClient, data : ElectionDataIf)
# getFunctionName() : String
- electionData
ElectionData
- name : String
- description : String
- votingSystem : VotingSystemType
- startDate : Date
- endDate : Date
- endCondition : ElectionEndCondition
- candidateNames : String[]
- candidateDescriptions : String[]
- voterCount : int
ElectionDataIf
VoterSDKInterfaceImpl
+ VoterSDKInterface(filePath : String, sdkListener : SDKEventListener)
+ voteVote(vote : String) : boolean
+ getOwnVote() : String
«interface»
ChaincodeEventListener
- electionStatusListener
ElectionStatusListener
+ ElectionStatusListener(sdkEventListener : SDKEventListener)
+ receiveEvent(handle : String, blockEvent : BlockEvent, chaincodeEvent : ChaincodeEvent) : void
«interface»
SupervisorSDKInterface
+ getAllVotes() : List<String>
+ destroyElection() : void
+ createUser(username : String, filePath : String) : void
+ createElection(data : ElectionDataIf) : boolean
«interface»
SDKInterface
+ dispatchElectionOverCheck() : void
+ getElection(data) : ElectionDataIf
«interface»
VoterSDKInterface
+ voteVote : String) : boolean
+ getOwnVote() : String
- sdkIf
- sdkIf
- sdkEventListener
«interface»
SDKEventListener
+ onElectionEnd() : void
+ onElectionRunning() : void
«interface»
VoterToModelIf
+ voteVote : String) : boolean
# model
«interface»
ControlToModelIf
+ authenticate(path : String) : boolean
+ getElection(data) : ElectionDataIf
+ getWinner() : String
# model
«interface»
SupervisorControlToModelIf
+ importConfig(path : String) : void
+ exportConfig(path : String) : void
+ setVoters(name : String[]) : void
+ setElection(data : ElectionData) : boolean
+ firstAuthenticate(username : String, password : String) : boolean
+ getVotes() : String[]
+ startElection() : void
StateManagement
SupervisorElection
+ SupervisorElection(listener : ElectionStatusListener) : void
+ authenticate(path : String) : boolean
+ importConfig(path : String) : void
+ exportConfig(path : String) : void
+ setVoters(name : String[]) : void
+ setElectionData(data : ElectionData) : boolean
+ firstAuthenticate(username : String, password : String) : boolean
+ startElection() : void
VoterElection
+ VoterElection(listener : ElectionStatusListener) : void
+ authenticate(path : String) : boolean
+ voteVote(vote : String) : boolean
- swervote
- voters
Voter
- name : String
+ Voter(name : String) : void
+ getName() : String
Thread
+ start() : void
Checks once every minute if backoff time has passed since last check and dispatchElectionOverCheck() is called
SDKEventListenerImpl
- lastEvent : Date
- backoff : int
- hasEnded : boolean
+ SDKEventListenerImpl(election : Election) : void
+ run() : void
+ onElectionEnd() : void
+ onElectionRunning() : void
+ setElectionStatusListener(listener : ElectionStatusListener) : void
- listener
0..1
Election
+ Election(listener : ElectionStatusListener)
+ setElectionData(data : ElectionDataIf
+ getWinner() : String
+ checkElectionOver() : void
+ setElectionDataData : ElectionDataIf) : void
+ getVotes() : String[]
+ getVoteRes(id) : void
ElectionDataIf
- candidate
- election
voting system
Candidate
- name : String
- description : String
+ getName() : String
+ getDescription() : String
+ Candidate(name : String, description : String)
- candidates
1..*
- candidate
(ordered)
VotingSystem
+ VotingSystem(election : Election)
+ getWinner() : Candidate
+ determineWinner() : Candidate
+ determineResults() : int[]
VotingSystemBuilder
+ JBVotingSystem : String = "InstantRunoffVoting"
+ AbsoluteMajorityVoting : String = "AbsoluteMajorityVoting"
+ RelativeMajorityVoting : String = "RelativeMajorityVoting"
+ generateVotingSystem(vs : VotingSystemType) : VotingSystem
+ create(votingSystemType(vs : VotingSystem) : VotingSystemType
- VotingSystemOverride()
Configissues
ConfigIssuesImpl
+ getNameIssues() : String
+ getCandidateIssues() : String
+ getDescIssues() : String
+ getTimeparamIssue() : String
SingularVote
+ asString() : String
+ loadVoteVote : String) : SingularVote
IRVVotingSystem
+ IRVVotingSystem(election : Election)
+ loadVoteVote : String) : Vote
+ determineWinner() : Candidate
+ determineResults() : int[]
MajorityVotingSystem
+ MajorityVotingSystem(election : Election)
+ loadVoteVote : String) : Vote
+ determineWinner() : Candidate
+ determineResults() : int[]
RankedVote
+ asString() : String
+ loadVoteVote : String) : RankedVote
Vote
+ Vote(vote : String)
+ asString() : String
* votes
not toString() because toString() returns the String that is used to store the vote in the blockchain.
AbsoluteMajorityVotingSystem
+ AbsoluteMajorityVotingSystem(election : Election)
+ determineWinner() : Candidate
RelativeMajorityVotingSystem
+ RelativeMajorityVotingSystem(election : Election) : void
+ determineWinner() : Candidate
«interface»
ElectionStatusListener
+ electionOver() : void
+ electionUpdated() : void
«interface»
SupervisorViewToModelIf
+ getVoters() : String[]
+ getConfigIssues() : ConfigIssues
+ getVote(s) : Voter
«interface»
ViewToModelIf
+ getElection(data) : ElectionDataIf
+ getVoters() : String[]
+ setElectionEndListener() : void
+ getVotingSystem() : String
+ getResults() : int[]
«interface»
VoterToModelIf
+ getOwnVote() : String
View
«interface»
SupervisorControlToViewIf
+ showFrontpage() : void
+ showMainMenu() : void
+ loadConfigData() : void
+ getVoters() : String[]
+ getElection() : ElectionDataIf
+ getCandidateDescriptions() : String[]
+ getStartDate() : Date
+ getEndDate() : Date
+ getEndCondition() : ElectionEndCondition
+ getVoterCount() : int
«interface»
ControlToViewIf
+ showResults() : void
+ exit() : void
+ getAuthenticationPath() : String
+ showChoice() : void
+ showWarningYes : String) : void
+ showWarningNo : String) : void
+ showMessage(s : String) : void
+ electionOver() : void
«interface»
VoterControlToViewIf
+ showWait() : void
+ getVote() : String
+ getVotes() : String
+ setVote(s : String) : void
+ electionOver() : void
# gui
SupervisorGUIPanel
+ SupervisorGUIPanel(sup : SupervisorAdapter, manager : SupervisorVSComponentManager)
+ updateResult(results : int[], winner : String) : void
+ getImportPath() : String
- clientPanel
adapter
SupervisorAdapter
+ SupervisorControlerAdapter(control : SupervisorViewToControlIf, model : SupervisorViewToModelIf)
+ getFinishElectionListener() : ActionListener
+ getAuthenticationListener() : ActionListener
+ getExportConfigListener() : ActionListener
+ getFirstAuthenticationListener() : ActionListener
+ getConfirmedConfigListener() : ActionListener
+ getStartConfigListener() : ActionListener
+ getNewConfigListener() : ActionListener
+ getLogoutListener() : ActionListener
+ getElectionData() : ElectionDataIf
+ getWinner() : String
+ getElectionEndListener() : ElectionStatusListener) : void
+ getVotingSystem() : String
+ getResults() : int[]
SupervisorElectionEndListenerImpl
+ SupervisorElectionEndListenerImpl(p : ControlToViewIf) : void
+ electionOver() : void
+ electionUpdated() : void
Thread
SupervisorAuthentication
+ SupervisorAuthentication(sup : SupervisorAdapter, manager : SupervisorVSComponentManager)
SupervisorResult
- chart : Diagram
- table : ExtendableList
+ SupervisorResult(sup : SupervisorAdapter, manager : SupervisorVSComponentManager)
+ updateResult(results : int[], winner : String) : void
SupervisorFrontpage
+ SupervisorAuthentication(sup : SupervisorAdapter, manager : SupervisorVSComponentManager)
+ getImportPath() : String
SupervisorGUI
+ SupervisorGUI()
+ electionOver() : void
+ electionUpdated() : void
+ exit() : void
+ showErrorMsg(s : String) : void
+ showMessage(s : String) : void
+ showSuccess(s : String) : void
+ showWarning(s : String) : void
+ showWarningNo : String) : void
+ showSuccess : String) : void
+ showChoice() : void
+ startConfigMenu() : void
+ loadConfigData() : void
+ getVoters() : String[]
+ getElectionData() : ElectionDataIf
+ getCandidates() : String[]
+ getUsername() : String
+ updateResults() : void
+ backAuthentication() : void
- gui
- updateThread
ResultUpdateThread
- backoff : int
- hasEnded : boolean
+ ResultUpdateThread(gui : SupervisorGUI) : void
+ run() : void
SupervisorVSComponentManager
- chart : Diagram
- table : ExtendableList
+ SupervisorVSComponentManager(adapter : SupervisorAdapter) : void
+ createResultDiagram() : Diagram
+ createResultTable() : ExtendableList
# manager
SupervisorVSComponentManagerBuilder
+ generateComponentManager(system : String, adapter : SupervisorAdapter) : SupervisorVSComponentManager
SupervisorMajorityVotingComponentManager
+ SupervisorMajorityVotingCompComponentManager(adapter : SupervisorAdapter) : void
+ createResultTable() : ExtendableList
SupervisorIRVComponentManager
+ createResultDiagram() : Diagram
+ SupervisorIRVComponentManager() : void
+ SupervisorIRVComponentManager(adapter : SupervisorAdapter) : void
ElectionDataIf
ElectionDataImpl
+ getName() : String
+ getDescription() : String
+ getVotingSystem() : VotingSystemType
+ getCandidates() : int
+ getCandidateDescriptions() : String[]
+ getStartDate() : Date
+ getEndDate() : Date
+ getEndCondition() : ElectionEndCondition
+ getVoterCount() : int
ConfigPanels
ConfigPanel
+ ConfigView(container : JPanel, c : ConfigGUI, vt : VerticalTabs)
# initComponents() : void
# buildLayout(container : JPanel) : LayoutManager2
- tabs
- generalPanel
- timePanel
- candidatePanel
- voterPanel
- finishPanel
- configGUI
VerticalTabs
- navWidth : int = 150
- tabCount : int
- tabName : String[]
- tabHeight : int = 100
- selected : int = -1
+ VerticalTabs(tabcount : int)
+ setSelected(i : int) : void
+ getSelected() : int
+ getTabRectangle(i : int, text : String) : void
+ getTabTextTop(i : int) : String
+ getTabPanel(tab : int) : JPanel
+ getTabCount() : int
+ nextTab() : void
- vt
- vt
- vt