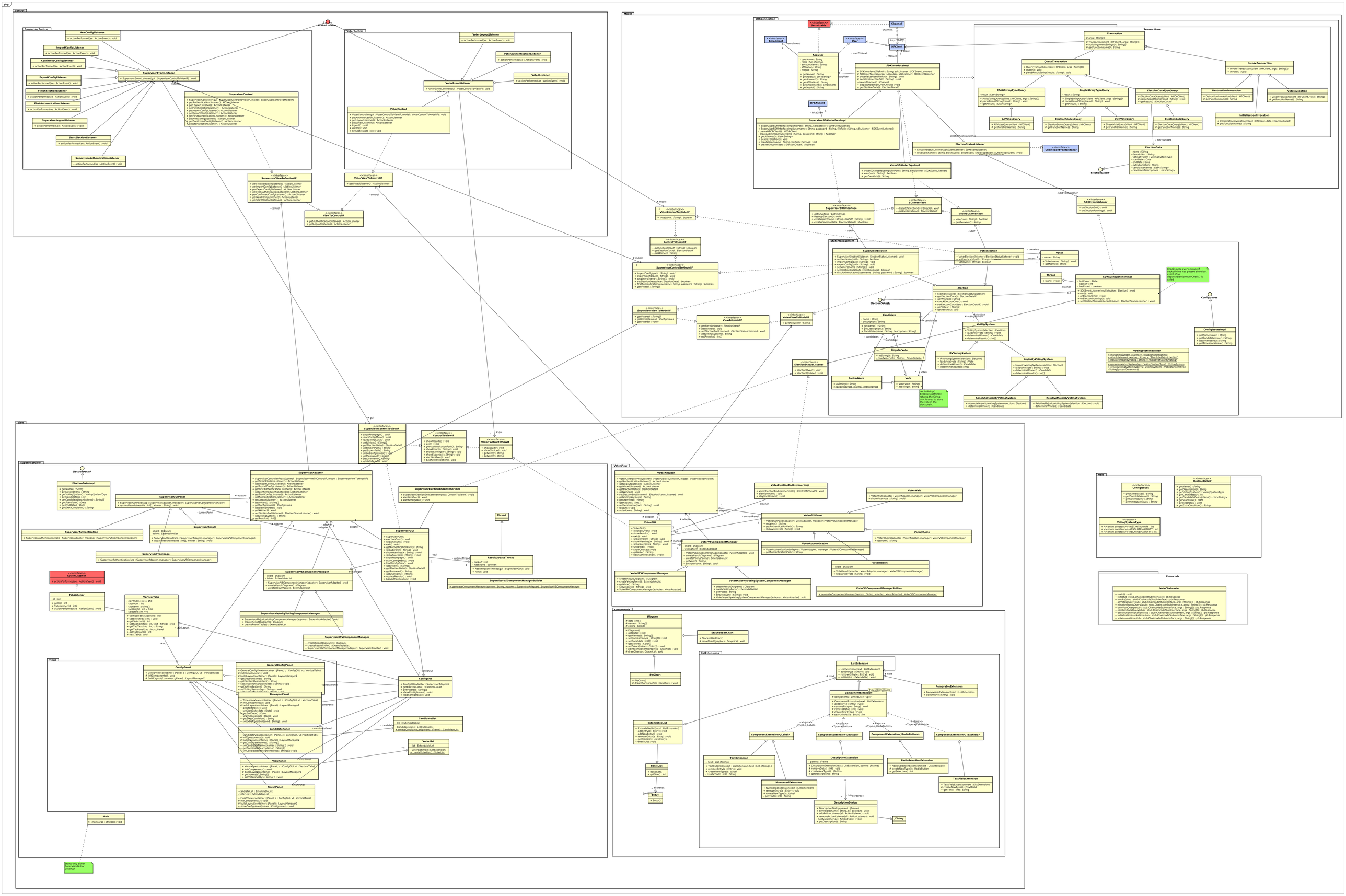
pkg
Control
SupervisorControl
NewConfigListener
+ actionPerformed(ae : ActionEvent) : void
ImportConfigListener
+ actionPerformed(ae : ActionEvent) : void
ConfirmedConfigListener
+ actionPerformed(ae : ActionEvent) : void
ExportConfigListener
+ actionPerformed(ae : ActionEvent) : void
FinishElectionListener
+ 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(pp : SupervisorControlToViewIf) : void
SupervisorControl
+ SupervisorController(pp : SupervisorControlToViewIf, model : SupervisorControlToModelIf)
+ getAuthenticationListener() : ActionListener
+ getNewConfigListener() : ActionListener
+ getFinishElectionListener() : ActionListener
+ getImportConfigListener() : ActionListener
+ getConfirmedConfigListener() : ActionListener
+ getFirstAuthenticationListener() : ActionListener
+ getNewConfigListener() : ActionListener
+ getExportConfigListener() : ActionListener
+ getStartElectionListener() : ActionListener
ActionListener
VoterControl
VoterLogoutListener
+ actionPerformed(ae : ActionEvent) : void
VoterAuthenticationListener
+ actionPerformed(ae : ActionEvent) : void
VoterEventListener
+ VoterEventListener(pp : VoterControlToViewIf) : void
VotedListener
+ actionPerformed(ae : ActionEvent) : void
VoterControl
+ VoterController(pp : VoterControlToViewIf, model : VoterControlToModelIf) : void
+ getAuthenticationListener() : ActionLisnter
+ getVoteSelectedListener() : ActionLisnter
+ getVoteListener() : ActionLisnter
+ logout() : void
+ vote() : void
+ setStateState : int) : void
SupervisorViewToControlIf
+ getFinishElectionListener() : ActionLisnter
+ getNewConfigListener() : ActionLisnter
+ getExportConfigListener() : ActionLisnter
+ getFirstAuthenticationLisnter() : ActionLisnter
+ getConfirmedConfigLisnter() : ActionLisnter
+ getNewConfigLisnter() : ActionLisnter
+ getStartElectionLisnter() : ActionLisnter
VoterViewToControlIf
+ getVoteLisnter() : ActionLisnter
<<interface>>
VoterControlToModelIf
+ getAuthenticationLisnter() : ActionLisnter
+ getLogoutLisnter() : ActionLisnter
Model
SDKConnection
<<interface>>
SerialyzableI
<<interface>>
EnrollmentI
<<interface>>
UserI
Channel
- channels
key : String
HFClient
- client
- HFClient
AppUser
- userName : String
- passwd : String
- accountName : String
- affiliation : String
- mspID : String
+ getName() : String
+ getPasswd() : String
+ getAccount() : String
+ getAffiliation() : String
+ getEnrollment() : Enrollment
+ getMspID() : String
- userContext
- appUser
HFCAClient
- HFcaClient
SDKInterfaceImpl
SDKInterface(filePath : String, sdkListener : SDKEventListener)
+ SDKInterface(appUser : AppUser, sdkListener : SDKEventListener)
# initializeSDK() : void
# serializeUserFile(filePath : String) : void
- createChannel() : Channel
+ displayTransactionChecks() : void
+ getElectionData() : ElectionDataIf
SupervisorSDKInterfaceImpl
+ SupervisorSDKInterface(implFilePath : String, sdkListener : SDKEventLisnter)
+ registerNewUser(adminUsername : String, password : String, filePath : String, sdkLisnter : SDKEventLisnter)
- createHFCAClient() : HFCAClient
- createAdminUser(username : String, password : String) : AppUser
+ getAllVotes() : List<String>
+ destroyElection() : void
+ initializeSDK(adminUsers, filePath : String) : void
+ createElection(data : ElectionDataIf) : boolean
Transactions
Transaction
args : String[]
Transaction(client : HFClient, args : String[])
buildArgumentStrings() : String[]
getFunctionName() : String
QueryTransaction
+ QueryTransaction(client : HFClient, args : String[])
+ query() : void
# parseResultStringresult : String) : void
InvokeTransaction
+ InvokeTransaction(client : HFClient, args : String[])
+ invoke() : void
MultiStringTypeQuery
- result : List<String>
+ MultiStringQuery(client : HFClient, args : String[])
# parseResultStringresult : String) : void
+ getResult() : List<String>
SingleStringTypeQuery
- result : String
+ SingleStringQuery(client : HFClient, args : String[])
# parseResultStringresult : String) : void
+ getResult() : String
ElectionDataTypeQuery
+ ElectionDataQuery(client : HFClient)
# parseResultStringresult : String) : void
+ getResult() : ElectionDataIf
DestructionInvocation
+ DetructionInvokation(client : HFClient)
+ getFunctionName() : String
VoteInvocation
+ VoteInvokation(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
- electionStatusListener
ElectionStatusListener
+ ElectionStatusLisnter(sdkEventLisnter : SDKEventLisnter)
+ recieveHandle : String, blockEvent : BlockEvent, chaincodeEvent : ChaincodeEvent) : void
<<interface>>
ChaincodeEventLisnter
- electionData
ElectionData
- name : String
- description : String
- electionSystemSystemType : VotingSystemType
- startDate : Date
- endDate : Date
- electionID : String
- candidateNames : List<String>
- candidateDescriptions : List<String>
ElectionDataIf
VoterSDKInterfaceImpl
+ VoterSDKInterface(filePath : String, sdkLisnter : SDKEventLisnter)
+ vote(vote : String) : boolean
+ getOwnVote() : String
- sdkEventLisnter
<<interface>>
SDKInterface
+ getAllVotes() : List<String>
+ destroyElection() : void
+ createElection(data : ElectionDataIf) : boolean
+ createElectionData : ElectionDataIf) : boolean
<<interface>>
SDKInterface
+ dispatchElectionOverCheck() : void
+ getElectionData() : ElectionDataIf
<<interface>>
VoterSDKInterface
+ getOwnVote() : String
+ vote(vote : String) : boolean
- sdkIF
<<interface>>
SDKEventLisnter
+ onElectionEnd() : void
+ onElectionRunning() : void
# model
<<interface>>
VoterControlToModelIf
+ voteVote : String) : boolean
<<interface>>
ControlToModelIf
+ authenticate(path : String) : boolean
+ getElectionData() : ElectionDataIf
+ getWinner() : String
# model
<<interface>>
SupervisorControlToModelIf
+ importConfig(path : String) : void
+ exportConfig(path : String) : void
+ setVotersname : String[]) : void
+ setElectionDataDate : ElectionData) : boolean
+ firstAuthenticationLisnter(username : String, password : String) : boolean
+ getVoters() : String[]
StateManagement
SupervisorElection
+ SupervisorElection(listener : ElectionStatusLisnter) : void
+ authenticate(path : String) : boolean
+ importConfig(path : String) : void
+ exportConfig(path : String) : void
+ getVoters() : String[]
+ setElectionDataDate : ElectionData) : boolean
+ firstAuthenticationLisnter(username : String, password : String) : boolean
VoterElection
+ VoterElection(listener : ElectionStatusLisnter) : void
+ authenticate(path : String) : boolean
+ voteVote : String) : boolean
- ownVote
- voter
Voter
- name : String
+ Voter(name : String) : void
+ getName() : String
Thread
+ start() : void
- listener
SDKEventLisnterImpl
- lastEvent : Date
- backoff : int
- hasEnded : boolean
+ SDKEventLisnterImpl(election : Election) : void
+ run() : void
+ onElectionEnd() : void
+ onElectionRunning() : void
+ setElectionStatusLisnner(listener : ElectionStatusLisnter) : void
Checks once every minute if backoff time has passed since last check and dispatch ElectionOverCheck() is called
ElectionDataIf
Election
+ Election(listener : ElectionStatusLisnter)
+ setElectionDataDate : ElectionDataIf
+ getWinner() : String
+ checkElectionOver() : void
+ setElectionDataDate : ElectionDataIf) : void
+ getVoters() : String[]
+ getResultsRcv() : void
- election
voting
candidates
Candidate
- name : String
- description : String
+ getName() : String
+ getDescription() : String
+ Candidate(name : String, description : String)
- candidates
1..candidate
VotingSystem
+ VotingSystem(election : Election)
+ getWinner() : Candidate
+ determineWinner() : Candidate
+ determineResults() : int[]
SingularVote
+ asString() : String
+ loadVote(vote : String) : SingularVote
IRVVotingSystem
IRVVotingSystem(election : Election)
+ getWinner() : Candidate
+ determineWinner() : Candidate
+ determineResults() : int[]
MajorityVotingSystem
+ MajorityVotingSystem(election : Election)
+ loadVote(vote : String) : Vote
+ determineWinner() : Candidate
+ determineResults() : int[]
- votes
RankedVote
+ asString() : String
+ loadVote(vote : String) : RankedVote
Vote
+ Vote(vote : String)
+ asString() : String
not toString() because asString() 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>>
ElectionStatusLisnter
+ electionOver() : void
+ electionUpdate() : void
VotingSystemBuilder
+ JRVVotingSystem : String = "IndeedRunoffVoting"
+ AbsoluteMajorityVoting : String = "AbsoluteMajorityVoting"
+ RelativeMajorityVoting : String = "RelativeMajorityVoting"
+ generateVotingSystem(pp : VotingSystemTypes) : VotingSystem
+ createVotingSystem(Typeps : VotingSystems : VotingSystemType : VotingSystemGenerator)
<<interface>>
ConfigIssues
ConfigIssuesImpl
+ getNameIssues() : String
+ getCandidateIssues() : String
+ getVoterIssues() : String
+ getTimeparameIssues() : String
View
SupervisorView
ElectionDataIf
ElectionDataImpl
+ getName() : String
+ getDescription() : String
+ getElectionSystemSystemType
+ getCandidate() : int
+ getCandidateDescriptions() : String[]
+ getStartDate() : Date
+ getEndDate() : Date
+ getExtraCondition() : String
SupervisorGUIPanel
+ SupervisorGUIPanel(cp : SupervisorAdapter, manager : SupervisorVSComponentManager)
+ updateResultsResults : int[], winner : String) : void
# adapter
- currentPanel
SupervisorAdapter
+ SupervisorControllerProxy(control : SupervisorViewToControlIf, model : SupervisorViewToModelIf)
+ getAuthenticationLisnner() : ActionLisnter
+ getImportConfigLisnner() : ActionLisnter
+ getNewConfigLisnner() : ActionLisnter
+ getFirstAuthenticationLisnner() : ActionLisnter
+ getConfirmedConfigLisnner() : ActionLisnter
+ getExportConfigLisnner() : ActionLisnter
+ getAuthenticationLisnner() : ActionLisnter
+ getLogoutLisnner() : ActionLisnter
+ getVoteLisnner() : void
+ getConfigIssues() : ConfigIssues
+ getElectionDate() : void
+ getWinner() : void
+ setElectionEndLisnner() : ElectionStatusLisnter) : void
+ getResultsRcv() : String
+ getResults() : int[]
SupervisorElectionEndLisnternImpl
+ SupervisorElectionEndLisnternImpl(p : ControlToViewIf) : void
+ electionOver() : void
+ electionUpdate() : void
Thread
SupervisorAuthentication
+ SupervisorAuthentication(cp : SupervisorAdapter, manager : SupervisorVSComponentManager)
SupervisorResult
- chart : Diagram
- table : ExtendableList
+ SupervisorResult(cp : SupervisorAdapter, manager : SupervisorVSComponentManager)
+ updateResultsResults : int[], winner : String) : void
SupervisorGUI
+ SupervisorGUI()
+ showAuthenticate() : void
+ showResults() : void
+ exit() : void
+ getAuthenticationPath() : String
+ showError(m : String) : void
+ showWarning(m : String) : void
+ showSuccess(s : String) : void
+ showFinish() : void
+ showFirstAuthenticate() : void
+ loadConfigData() : void
+ getVoters() : String[]
+ setElectionDataDate : ElectionDataIf
+ getPassword() : String
+ getUsernamel() : String
+ updateResults() : void
+ loadAuthentication() : void
- gui
- updateThread
ResultUpdateThread
- backoff : int
- hasEnded : boolean
+ ResultUpdateThread(gui : SupervisorGUI) : void
+ run() : void
SupervisorFrontpage
+ SupervisorAuthentication(cp : SupervisorAdapter, manager : SupervisorVSComponentManager)
<<interface>>
ActionLisnter
+ actionPerformed(ae : ActionEvent) : void
TabLisnter
- id : int
+ getId() : int
+ TabLisnter(id : int)
+ actionPerformed(ae : ActionEvent) : void
VerticalTabs
- navWidth : int = 150
- tabCount : int
- tabName : String[]
- tabHeight : int = 100
- selected : int = -1
+ VerticalTabs(tabcount : int)
+ setTabCount(count : int) : void
+ getSelected() : int
+ setTabText(tab : int, text : String) : void
+ getTabTitle(tab : int) : String
+ getTabPanel(tab : int) : JPanel
+ getTabCount() : int
+ nextTab() : void
- tabLisnner
SupervisorVSComponentManager
- chart : Diagram
- table : ExtendableList
+ SupervisorVSComponentManager(adapter : SupervisorAdapter) : void
+ createResultDiagram() : Diagram
+ createResultTable() : ExtendableList
# manager
SupervisorMajorityVotingComponentManager
+ SupervisorMajorityVotingComponentManager(adapter : SupervisorAdapter) : void
+ createResultTable() : ExtendableList
SupervisorIRVComponentManager
+ createResultDiagram() : Diagram
+ createResultTable() : ExtendableList
+ SupervisorIRVComponentManager(adapter : SupervisorAdapter) : void
SupervisorVSComponentManagerBuilder
+ generateComponentManager(system : String, adapter : SupervisorAdapter) : SupervisorVSComponentManager
# gui
<<interface>>
SupervisorControlToViewIf
+ showFrontpage() : void
+ startConfigPanel() : void
+ loadConfigData() : void
+ getVoters() : String[]
+ getElectionDate() : ElectionDataIf
+ getImportPath() : String
+ getExportPath() : String
+ showConfigIssues() : void
+ getPassword() : String
+ getUsernamel() : String
+ updateResults() : void
<control>
ControlToViewIf
+ showResults() : void
+ exit() : void
+ getAuthenticationPath() : String
+ showError(m : String) : void
+ showWarning(m : String) : void
+ showSuccess(s : String) : void
+ showFinish() : void
+ showFirstAuthenticate() : void
+ loadAuthentication() : void
<<interface>>
VoterControlToViewIf
+ showWait() : void
+ getUsernamel() : void
+ getVote() : String
+ getVotes() : String
VoterAdapter
+ VoterControllerProxy(control : VoterViewToControlIf, model : VoterViewToModelIf)
+ getAuthenticationLisnner() : ActionLisnter
+ getLogoutLisnner() : ActionLisnter
+ getVoteSelectedLisnner() : ActionLisnter
+ getElectionDate() : ElectionDataIf
+ getWinner() : void
+ setElectionEndLisnner() : ElectionStatusLisnter) : void
+ getVotingSystem() : String
+ getVoteVote() : String
+ authenticate(path : String) : void
+ logout() : void
+ vote(vote : String) : void
VoterElectionEndLisnternImpl
+ VoterElectionEndLisnternImpl(p : ControlToViewIf) : void
+ electionOver() : void
+ electionUpdate() : void
VoterWait
+ VoterWait(adapter : VoterAdapter, manager : VoterVSComponentManager)
+ showVote(vote : String) : void
VoterGUIPanel
+ VotingGUIPanel(adapter : VoterAdapter, manager : VoterVSComponentManager)
+ getVoteVote() : String
+ getDescriptionPath() : String
+ showVote(vote : String) : void
VoterChoice
+ VoterChoice(adapter : VoterAdapter, manager : VoterVSComponentManager)
+ getVote() : String
VoterGUI
+ VoterGUI()
+ showAuthenticate() : void
+ showResults() : void
+ exit() : void
+ showError(m : String) : void
+ showWarning(m : String) : void
+ showSuccess(s : String) : void
+ showWait() : void
+ showFinish() : void
+ getVote() : String
+ authenticate() : void
- manager
VoterVSComponentManager
- chart : Diagram
- votingForm : ExtendableList
+ VoterVSComponentManager(adapter : VoterAdapter) : void
+ createResultDiagram() : Diagram
+ createVotingForm() : ExtendableList
+ getVote() : String
+ getVoteVote : String) : void
VoterAuthentication
+ VoterAuthentication(adapter : VoterAdapter, manager : VoterVSComponentManager)
+ getAuthenticationPath() : String
VoterResult
- chart : Diagram
+ VoteResult(adapter : VoterAdapter, manager : VoterVSComponentManager)
+ showVoteVote : String) : void
VoterIRVComponentManager
+ createResultDiagram() : Diagram
+ createVotingForm() : ExtendableList
+ getVote() : String
+ setVoteVote : String) : void
+ VoterIRVComponentManager(adapter : VoterAdapter)
VoterMajorityVotingSystemComponentManager
+ createResultDiagram() : Diagram
+ createVotingForm() : ExtendableList
+ getVote() : String
+ setVoteVote : String) : void
+ VoterMajorityVotingSystemComponentManager(adapter : VoterAdapter) : void
VoterVSComponentManagerBuilder
+ generateComponentManager(system : String, adapter : VoterAdapter) : VoterVSComponentManager
Utils
<<interface>>
ConfigIssues
+ getNameIssues() : String
+ getCandidateIssues() : String
+ getVoterIssues() : String
+ getTimeparameIssues() : String
<<interface>>
ElectionDataIf
+ getName() : String
+ getDescription() : String
+ getVotingSystem() : VotingSystemType
+ getCandidate() : int
+ getCandidateDescriptions() : List<String>
+ getStartDate() : Date
+ getEndDate() : Date
+ getExtraCondition() : String
<<enumns>>
VotingSystemType
+ <<enum constant>> INSTANTRUNOFF : int
+ <<enum constant>> ABSOLUTEMAJRIOTY : int
+ <<enum constant>> RELATIVEMAJRIOTY : int
Chaincode
VoteChaincode
+ main() : void
+ initStub(stub : stub.ChaincodeStubInterface) : pb.Response
+ Invoke(stub : stub.ChaincodeStubInterface) : pb.Response
+ allVotesQuery(stub : stub.ChaincodeStubInterface, args : String[]) : pb.Response
+ electionStatusQuery(stub : stub.ChaincodeStubInterface, args : String[]) : pb.Response
+ ownVoteQuery(stub : stub.ChaincodeStubInterface, args : String[]) : pb.Response
+ electionDataQuery(stub : stub.ChaincodeStubInterface, args : String[]) : pb.Response
+ destructionInvokation(stub : stub.ChaincodeStubInterface, args : String[]) : pb.Response
+ initializationInvokation(stub : stub.ChaincodeStubInterface, args : String[]) : pb.Response
+ voteInvokation(stub : stub.ChaincodeStubInterface, args : String[]) : pb.Response
components
Diagram
data : int[]
names : String[]
colors : Color[]
+ Diagram()
+ getData() : int[]
+ getNames() : String[]
+ setNamesnames : String[]) : void
+ setData(data : int[]) : void
+ getColors() : Color[]
+ setColorscolors : Color[]) : void
+ paintComponent(g : Graphics) : void
# drawChart(g : Graphics) : void
StackedBarChart
+ StackedBarChart()
# drawChartGraphics : Graphics) : void
PieChart
+ PieChart()
# drawChartGraphics : Graphics) : void
InitExtensions
ListExtension
+ ListExtension(next : ListExtension)
+ addEntry(e : Entry) : void
+ removeEntry(e : Entry) : void
+ setList(list : ExtendableList) : void
# next
# mod
RemovableExtension
+ RemovableExtension(next : ListExtension)
+ addEntry(e : Entry) : void
ComponentExtension
components : LinkedList<Type>
+ ComponentExtension(next : ListExtension)
+ addEntry(e : Entry) : void
+ removeEntry(e : Entry) : void
# removeData() : int[] : void
# createNewType() : Type
# searchIndex(e : Entry) : int
<Type>
<<bind>> <Type>-JLabel>>
<<bind>> <Type->JButton>>
<<bind>> <Type->JRadioButton>>
<<bind>> <Type->JTextField>>
ComponentExtension<JLabel>
ComponentExtension<JButton>
ComponentExtension<JRadioButton>
ComponentExtension<JTextField>
ExtendableList
+ ExtendableList(mod : ListExtension)
+ addEntry(e : Entry) : void
+ addNewEntry() : void
+ removeEntry(e : Entry) : void
+ getEntries() : List<Entry>
- refreshUI() : void
BasicList
+ BasicList()
+ getSize() : int
# entries
{ordered}
Entry
+ Entry()
TextExtension
- text : List<String>
+ TextExtension(next : ListExtension, text : List<String>)
+ removeEntry(e : Entry) : void
# createNewType() : JLabel
- createText() : int[] : String
NumberedExtension
+ NumberedExtension(next : ListExtension)
+ removeEntry(e : Entry) : void
# createNewType() : JLabel
- genText() : int[] : String
DescriptionExtension
- parent : JFrame
+ DescriptionExtension(next : ListExtension, parent : JFrame)
# removeData() : int[] : void
# createNewType() : JButton
+ getDescription() : String
RadioSelectionExtension
+ RadioSelectionExtension(next : ListExtension)
+ createNewType() : JRadioButton
+ getSelection() : int
TextFieldExtension
+ TextFieldExtension(next : ListExtension)
# removeData() : int[] : void
# createNewType() : JTextField
+ getText() : int[] : String
DescriptionDialog
+ DescriptionDialog(parent : JFrame)
+ setVoteVoteName : String, b : boolean) : void
+ addActionListener(al : ActionLisnter) : void
+ actionPerformed(ae : ActionEvent) : void
- notifyLisnter(ae : ActionEvent) : void
+ getDescription() : String
JDialog
Main
+ main(args : String[]) : void
Starts only either SupervisorGUI or VoterGUI