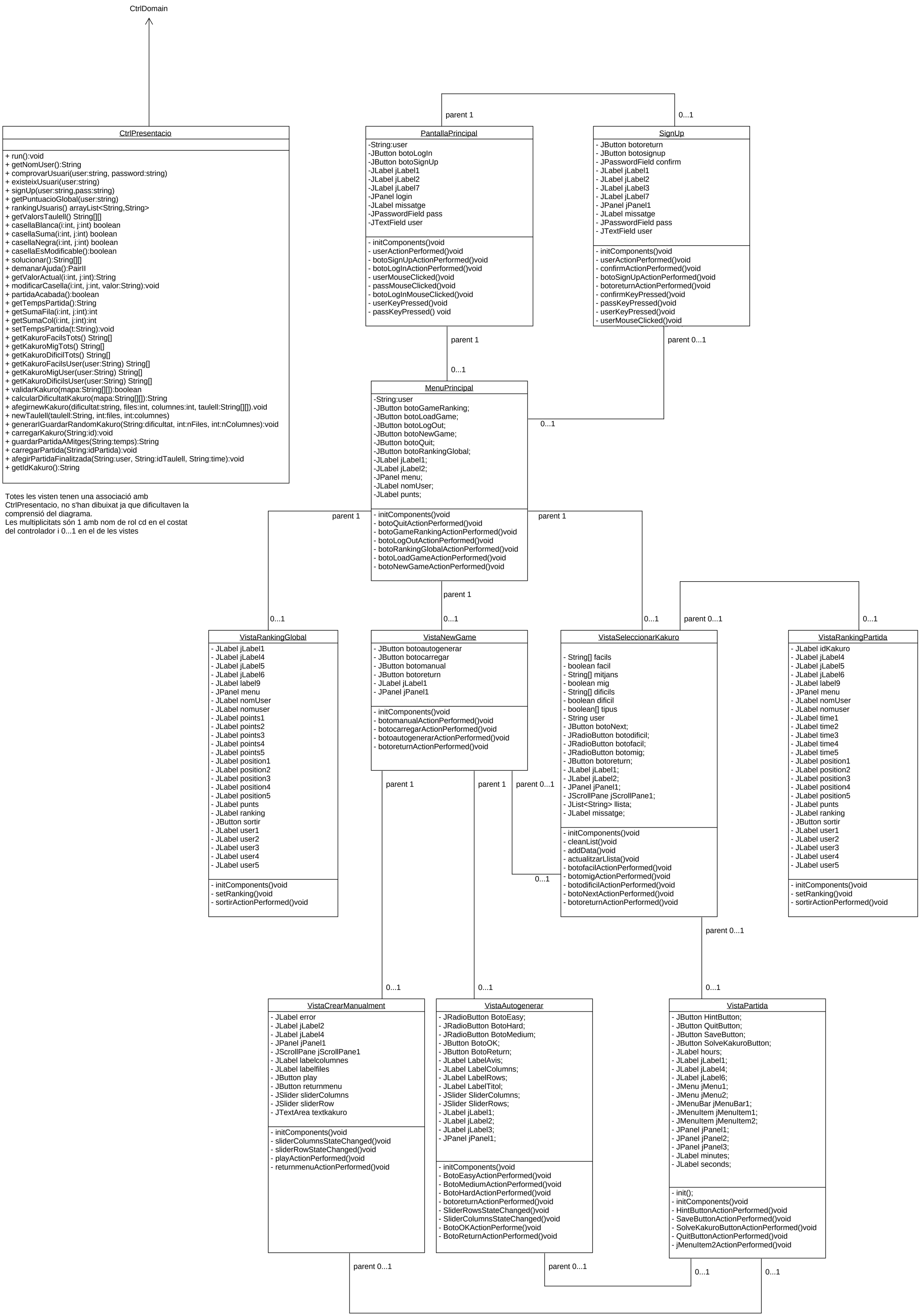
CtrlDomain
CtrlPresentacio
+ run():void
+ getNomUser():String
+ comprovarUsuari(user:string, password:string)
+ existeixUsuari(user:string)
+ signUp(user:string,pass:string)
+ getPuntuacioGlobal(user:string)
+ rankingUsuaris() arrayList<String,String>
+ getValorsTaulell() String[][]
+ casellaBlanca(i:int, j:int) boolean
+ casellaSuma(i:int, j:int) boolean
+ casellaNegra(i:int, j:int) boolean
+ casellaEsModificable():boolean
+ solucionar():String[][]
+ demanarAjuda():PairII
+ getValorActual(i:int, j:int):String
+ modificarCasella(i:int, j:int, valor:String):void
+ partidaAcabada():boolean
+ getTempsPartida():String
+ getSumaFila(i:int, j:int):int
+ getSumaCol(i:int, j:int):int
+ setTempsPartida(t:String):void
+ getKakuroFacilsTots() String[]
+ getKakuroMigTots() String[]
+ getKakuroDificilTots() String[]
+ getKakuroFacilsUser(user:String) String[]
+ getKakuroMigUser(user:String) String[]
+ getKakuroDificilsUser(user:String) String[]
+ validarKakuro(mapa:String[][]):boolean
+ calcularDificultatKakuro(mapa:String[][]):String
+ afegirnewKakuro(dificultat:string, files:int, columnes:int, taulell:String[][]).void
+ newTaulell(taulell:String, int:files, int:columnes)
+ generarIGuardarRandomKakuro(String:dificultat, int:nFiles, int:nColumnes):void
+ carregarKakuro(String:id):void
+ guardarPartidaAMitges(String:temps):String
+ carregarPartida(String:idPartida):void
+ afegirPartidaFinalitzada(String:user, String:idTaulell, String:time):void
+ getIdKakuro():String
Totes les visten tenen una associació amb CtrlPresentacio, no s'han dibuixat ja que dificultaven la comprensió del diagrama.
Les multiplicitats són 1 amb nom de rol cd en el costat del controlador i 0...1 en el de les vistes
parent 1
0...1
PantallaPrincipal
-String:user
-JButton botoLogIn
-JButton botoSignUp
-JLabel jLabel1
-JLabel jLabel2
-JLabel jLabel7
-JPanel login
-JLabel missatge
-JPasswordField pass
-JTextField user
- initComponents()void
- userActionPerformed()void
- botoSignUpActionPerformed()void
- botoLogInActionPerformed()void
- userMouseClicked()void
- passMouseClicked()void
- botoLogInMouseClicked()void
- userKeyPressed()void
- passKeyPressed() void
SignUp
- JButton botoreturn
- JButton botosignup
- JPasswordField confirm
- JLabel jLabel1
- JLabel jLabel2
- JLabel jLabel3
- JLabel jLabel7
- JPanel jPanel1
- JLabel missatge
- JPasswordField pass
- JTextField user
- initComponents()void
- userActionPerformed()void
- confirmActionPerformed()void
- botoSignUpActionPerformed()void
- botoreturnActionPerformed()void
- confirmKeyPressed()void
- passKeyPressed()void
- userKeyPressed()void
- userMouseClicked()void
parent 1
0...1
parent 0...1
MenuPrincipal
-String:user
-JButton botoGameRanking;
-JButton botoLoadGame;
-JButton botoLogOut;
-JButton botoNewGame;
-JButton botoQuit;
-JButton botoRankingGlobal;
-JLabel jLabel1;
-JLabel jLabel2;
-JPanel menu;
-JLabel nomUser;
-JLabel punts;
- initComponents()void
- botoQuitActionPerformed()void
- botoGameRankingActionPerformed()void
- botoLogOutActionPerformed()void
- botoRankingGlobalActionPerformed()void
- botoLoadGameActionPerformed()void
- botoNewGameActionPerformed()void
parent 1
0...1
parent 0...1
VistaRankingGlobal
- JLabel jLabel1
- JLabel jLabel4
- JLabel jLabel5
- JLabel jLabel6
- JLabel label9
- JPanel menu
- JLabel nomUser
- JLabel nomuser
- JLabel points1
- JLabel points2
- JLabel points3
- JLabel points4
- JLabel points5
- JLabel position1
- JLabel position2
- JLabel position3
- JLabel position4
- JLabel position5
- JLabel punts
- JLabel ranking
- JButton sortir
- JLabel user1
- JLabel user2
- JLabel user3
- JLabel user4
- JLabel user5
- initComponents()void
- setRanking()void
- sortirActionPerformed()void
VistaNewGame
- JButton botoautogenerar
- JButton botocarregar
- JButton botomanual
- JButton botoreturn
- JLabel jLabel1
- JPanel jPanel1
- initComponents()void
- botomanualActionPerformed()void
- botocarregarActionPerformed()void
- botoautogenerarActionPerformed()void
- botoreturnActionPerformed()void
VistaSeleccionarKakuro
- String[] facils
- boolean facil
- String[] mitjans
- boolean mig
- String[] dificils
- boolean dificil
- boolean[] tipus
- String user
- JButton botoNext;
- JRadioButton botodificil;
- JRadioButton botofacil;
- JRadioButton botomig;
- JButton botoreturn;
- JLabel jLabel1;
- JLabel jLabel2;
- JPanel jPanel1;
- JScrollPane jScrollPane1;
- JList<String> llista;
- JLabel missatge;
- initComponents()void
- cleanList()void
- addData()void
- actualitzarLlista()void
- botofacilActionPerformed()void
- botomigActionPerformed()void
- botodificilActionPerformed()void
- botoNextActionPerformed()void
- botoreturnActionPerformed()void
parent 0...1
0...1
VistaRankingPartida
- JLabel idKakuro
- JLabel jLabel4
- JLabel jLabel5
- JLabel jLabel6
- JLabel label9
- JPanel menu
- JLabel nomUser
- JLabel nomuser
- JLabel time1
- JLabel time2
- JLabel time3
- JLabel time4
- JLabel time5
- JLabel position1
- JLabel position2
- JLabel position3
- JLabel position4
- JLabel position5
- JLabel punts
- JLabel ranking
- JButton sortir
- JLabel user1
- JLabel user2
- JLabel user3
- JLabel user4
- JLabel user5
- initComponents()void
- setRanking()void
- sortirActionPerformed()void
parent 1
parent 1
parent 0...1
0...1
parent 0...1
0...1
VistaCrearManualment
- JLabel error
- JLabel jLabel2
- JLabel jLabel4
- JPanel jPanel1
- JScrollPane jScrollPane1
- JLabel labelcolumnes
- JLabel labelfiles
- JButton play
- JButton returnmenu
- JSlider sliderColumns
- JSlider sliderRow
- JTextArea textkakuro
- initComponents()void
- sliderColumnsStateChanged()void
- sliderRowStateChanged()void
- playActionPerformed()void
- returnmenuActionPerformed()void
VistaAutogenerar
- JRadioButton BotoEasy;
- JRadioButton BotoHard;
- JRadioButton BotoMedium;
- JButton BotoOK;
- JButton BotoReturn;
- JLabel LabelAvis;
- JLabel LabelColumns;
- JLabel LabelRows;
- JLabel LabelTitol;
- JSlider SliderColumns;
- JSlider SliderRows;
- JLabel jLabel1;
- JLabel jLabel2;
- JLabel jLabel3;
- JPanel jPanel1;
- initComponents()void
- BotoEasyActionPerformed()void
- BotoMediumActionPerformed()void
- BotoHardActionPerformed()void
- botoreturnActionPerformed()void
- SliderRowsStateChanged()void
- SliderColumnsStateChanged()void
- BotoOKActionPerforme()void
- BotoReturnActionPerformed()void
VistaPartida
- JButton HintButton;
- JButton QuitButton;
- JButton SaveButton;
- JButton SolveKakuroButton;
- JLabel hours;
- JLabel jLabel1;
- JLabel jLabel4;
- JLabel jLabel6;
- JMenu jMenu1;
- JMenu jMenu2;
- JMenuBar jMenuBar1;
- JMenuItem jMenuItem1;
- JMenuItem jMenuItem2;
- JPanel jPanel1;
- JPanel jPanel2;
- JPanel jPanel3;
- JLabel minutes;
- JLabel seconds;
- init();
- initComponents()void
- HintButtonActionPerformed()void
- SaveButtonActionPerformed()void
- SolveKakuroButtonActionPerformed()void
- QuitButtonActionPerformed()void
- jMenuItem2ActionPerformed()void
parent 0...1
parent 0...1
0...1
0...1