client

cli

MainTest

- ObjectOutputStream out
- ObjectInputStream in

- MainTest(String ip, int port) throws IOException
- int menu()
- void loadDataOnServer() throws IOException, ClassNotFoundException
- void loadDedrogramFromFileOnServer() throws IOException, ClassNotFoundException
- void mineDedrogramOnServer() throws IOException, ClassNotFoundException
- static void main(String[] args)

uses

Keyboard

gui

GuiController

- GuiModel model
- GuiView view

- GuiController(GuiModel model, GuiView view)

contains *contains* *contains* *contains* *uses* *uses*

ConnectButtonListener

- actionPerformed(ActionEvent e)

LoadDendrogramButtonListener

- actionPerformed(ActionEvent e)

CalculateDendrogramButtonListener

- actionPerformed(ActionEvent e)

ClosingWindowListener

- windowClosing(WindowEvent e)

ActionEvent

WindowEvent

uses *uses* *uses* *uses* *uses* *uses*

ActionListener

GuiModel

- ObjectOutputStream out;
- ObjectInputStream in;
- Socket socket;

- InetAddress address;
- int port;

- boolean connectToServer(String ip, int port)
- String receiveJsonTables()
- String sendCalculateRequest(String table, int depth, int distance, boolean save, String saveName)
- String sendLoadRequest(String table, String fileName)
- sendCloseMessage()

WindowAdapter

GuiView

- JFrame loginFrame
- JTextField ipField
- JTextField portField
- JLabel infoMessage
- JLabel errorMessage
- JButton connectButton
- JFrame mainFrame
- JComboBox<String> availableTabsBox
- JTextField fileNameField
- JRadioButton loadFromServer
- JButton loadButton
- JTextField depthField
- JComboBox<String> distanceTypeBox
- JButton calculateButton
- JCheckBox saveCheckBox
- JTextField saveNameField
- JTextArea outputArea

- GuiView()
- void closeLoginFrame()
- void createAndShowMainGUI(List<String> tables)
- String getIpAddress()
- String getPort()
- String getTableString()
- String getFileNameString()
- boolean isLoadFromServer()
- String getDepthString()
- String getDistanceString()
- String getSaveFileString()
- boolean isSaving()
- void setErrorMessage(String message)
- void setInfoMessage(String message)
- void setOutputText(String text)
- void setSaveFileString(String text)
- void addConnectButtonListener(ActionListener listener)
- void addLoadButtonListener(ActionListener listener)
- void addCalculateButtonListener(ActionListener listener)
- void addSaveCheckBoxListener(ActionListener listener)
- void addWindowListener(WindowListener listener)