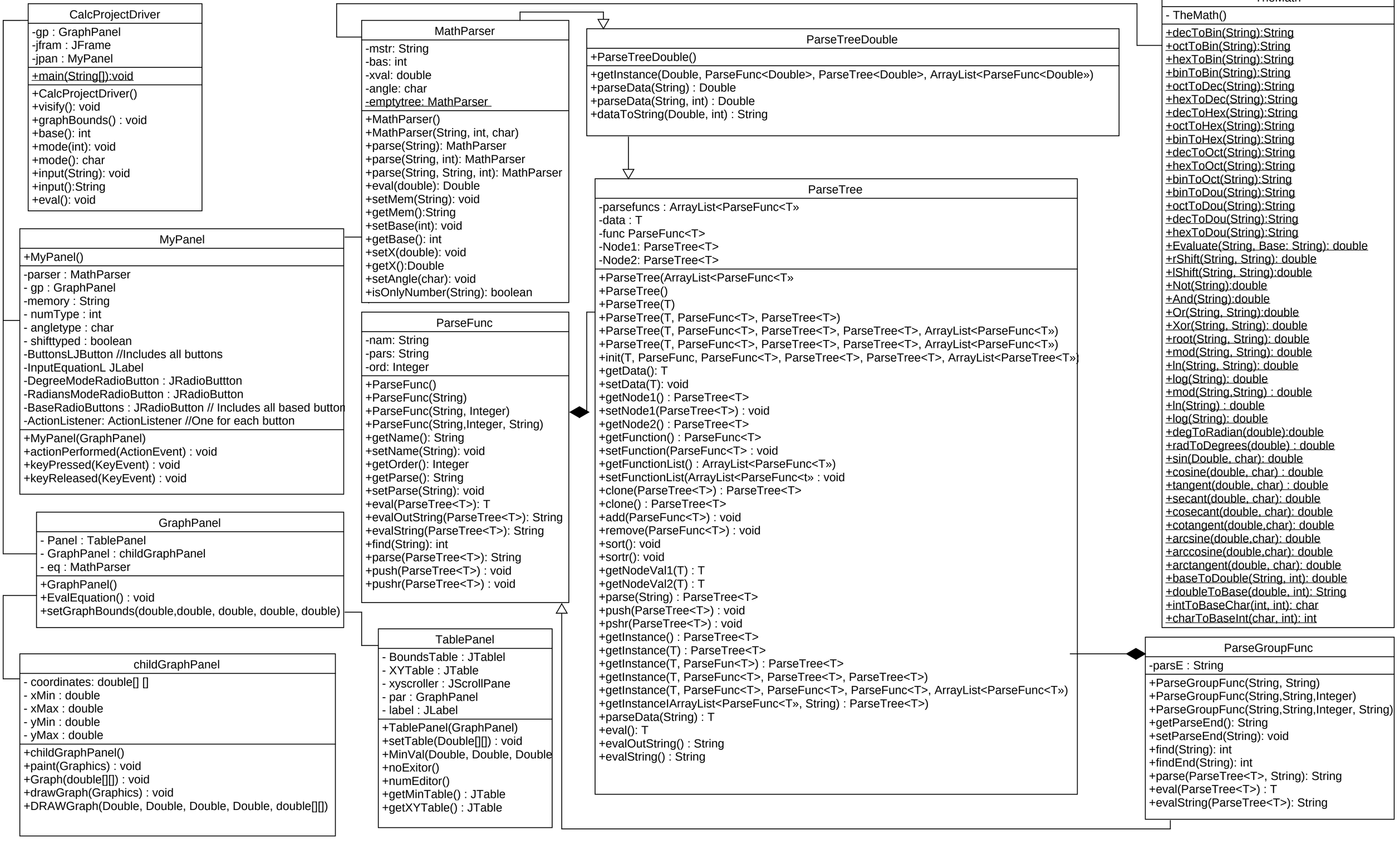
CalcProjectDriver
-gp : GraphPanel
-jfram : JFrame
-jpan : MyPanel
+main(String[]):void
+CalcProjectDriver()
+visify(): void
+graphBounds() : void
+base(): int
+mode(int): void
+mode(): char
+input(String): void
+input():String
+eval(): void
MyPanel
+MyPanel()
-parser : MathParser
- gp : GraphPanel
-memory : String
- numType : int
- angletype : char
- shifttyped : boolean
-ButtonsLJButton //Includes all buttons
-InputEquationL JLabel
-DegreeModeRadioButton : JRadioButttton
-RadiansModeRadioButton : JRadioButton
-BaseRadioButtons : JRadioButton // Includes all based button
-ActionListener: ActionListener //One for each button
+MyPanel(GraphPanel)
+actionPerformed(ActionEvent) : void
+keyPressed(KeyEvent) : void
+keyReleased(KeyEvent) : void
GraphPanel
- Panel : TablePanel
- GraphPanel : childGraphPanel
- eq : MathParser
+GraphPanel()
+EvalEquation() : void
+setGraphBounds(double,double, double, double, double)
childGraphPanel
- coordinates: double[] []
- xMin : double
- xMax : double
- yMin : double
- yMax : double
+childGraphPanel()
+paint(Graphics) : void
+Graph(double[][]) : void
+drawGraph(Graphics) : void
+DRAWGraph(Double, Double, Double, Double, double[][])
MathParser
-mstr: String
-bas: int
-xval: double
-angle: char
-emptytree: MathParser
+MathParser()
+MathParser(String, int, char)
+parse(String): MathParser
+parse(String, int): MathParser
+parse(String, String, int): MathParser
+eval(double): Double
+setMem(String): void
+getMem():String
+setBase(int): void
+getBase(): int
+setX(double): void
+getX():Double
+setAngle(char): void
+isOnlyNumber(String): boolean
ParseFunc
-nam: String
-pars: String
-ord: Integer
+ParseFunc()
+ParseFunc(String)
+ParseFunc(String, Integer)
+ParseFunc(String,Integer, String)
+getName(): String
+setName(String): void
+getOrder(): Integer
+getParse(): String
+setParse(String): void
+eval(ParseTree<T>): T
+evalOutString(ParseTree<T>): String
+evalString(ParseTree<T>): String
+find(String): int
+parse(ParseTree<T>): String
+push(ParseTree<T>) : void
+pushr(ParseTree<T>) : void
TablePanel
- BoundsTable : JTablel
- XYTable : JTable
- xyscroller : JScrollPane
- par : GraphPanel
- label : JLabel
+TablePanel(GraphPanel)
+setTable(Double[][]) : void
+MinVal(Double, Double, Double
+noExitor()
+numEditor()
+getMinTable() : JTable
+getXYTable() : JTable
ParseTreeDouble
+ParseTreeDouble()
+getInstance(Double, ParseFunc<Double>, ParseTree<Double>, ArrayList<ParseFunc<Double»)
+parseData(String) : Double
+parseData(String, int) : Double
+dataToString(Double, int) : String
ParseTree
-parsefuncs : ArrayList<ParseFunc<T»
-data : T
-func ParseFunc<T>
-Node1: ParseTree<T>
-Node2: ParseTree<T>
+ParseTree(ArrayList<ParseFunc<T»
+ParseTree()
+ParseTree(T)
+ParseTree(T, ParseFunc<T>, ParseTree<T>)
+ParseTree(T, ParseFunc<T>, ParseTree<T>, ParseTree<T>, ArrayList<ParseFunc<T»)
+ParseTree(T, ParseFunc<T>, ParseTree<T>, ParseTree<T>, ArrayList<ParseFunc<T»)
+init(T, ParseFunc, ParseFunc<T>, ParseTree<T>, ParseTree<T>, ArrayList<ParseTree<T»)
+getData(): T
+setData(T): void
+getNode1() : ParseTree<T>
+setNode1(ParseTree<T>) : void
+getNode2() : ParseTree<T>
+getFunction() : ParseFunc<T>
+setFunction(ParseFunc<T> : void
+getFunctionList() : ArrayList<ParseFunc<T»)
+setFunctionList(ArrayList<ParseFunc<t» : void
+clone(ParseTree<T>) : ParseTree<T>
+clone() : ParseTree<T>
+add(ParseFunc<T>) : void
+remove(ParseFunc<T>) : void
+sort(): void
+sortr(): void
+getNodeVal1(T) : T
+getNodeVal2(T) : T
+parse(String) : ParseTree<T>
+push(ParseTree<T>) : void
+pshr(ParseTree<T>) : void
+getInstance() : ParseTree<T>
+getInstance(T) : ParseTree<T>
+getInstance(T, ParseFun<T>) : ParseTree<T>
+getInstance(T, ParseFunc<T>, ParseTree<T>, ParseTree<T>)
+getInstance(T, ParseFunc<T>, ParseFunc<T>, ParseFunc<T>, ArrayList<ParseFunc<T»)
+getInstanceIArrayList<ParseFunc<T», String) : ParseTree<T>)
+parseData(String) : T
+eval(): T
+evalOutString() : String
+evalString() : String
TheMath
- TheMath()
+decToBin(String):String
+octToBin(String):String
+hexToBin(String):String
+binToBin(String):String
+octToDec(String):String
+hexToDec(String):String
+decToHex(String):String
+octToHex(String):String
+binToHex(String):String
+decToOct(String):String
+hexToOct(String):String
+binToOct(String):String
+binToDou(String):String
+octToDou(String):String
+decToDou(String):String
+hexToDou(String):String
+Evaluate(String, Base: String): double
+rShift(String, String): double
+lShift(String, String):double
+Not(String):double
+And(String):double
+Or(String, String):double
+Xor(String, String): double
+root(String, String): double
+mod(String, String): double
+ln(String, String): double
+log(String): double
+mod(String,String) : double
+ln(String) : double
+log(String): double
+degToRadian(double):double
+radToDegrees(double) : double
+sin(Double, char): double
+cosine(double, char) : double
+tangent(double, char) : double
+secant(double, char): double
+cosecant(double, char): double
+cotangent(double,char): double
+arcsine(double,char): double
+arccosine(double,char): double
+arctangent(double, char): double
+baseToDouble(String, int): double
+doubleToBase(double, int): String
+intToBaseChar(int, int): char
+charToBaseInt(char, int): int
ParseGroupFunc
-parsE : String
+ParseGroupFunc(String, String)
+ParseGroupFunc(String,String,Integer)
+ParseGroupFunc(String,String,Integer, String)
+getParseEnd(): String
+setParseEnd(String): void
+find(String): int
+findEnd(String): int
+parse(ParseTree<T>, String): String
+eval(ParseTree<T>) : T
+evalString(ParseTree<T>): String