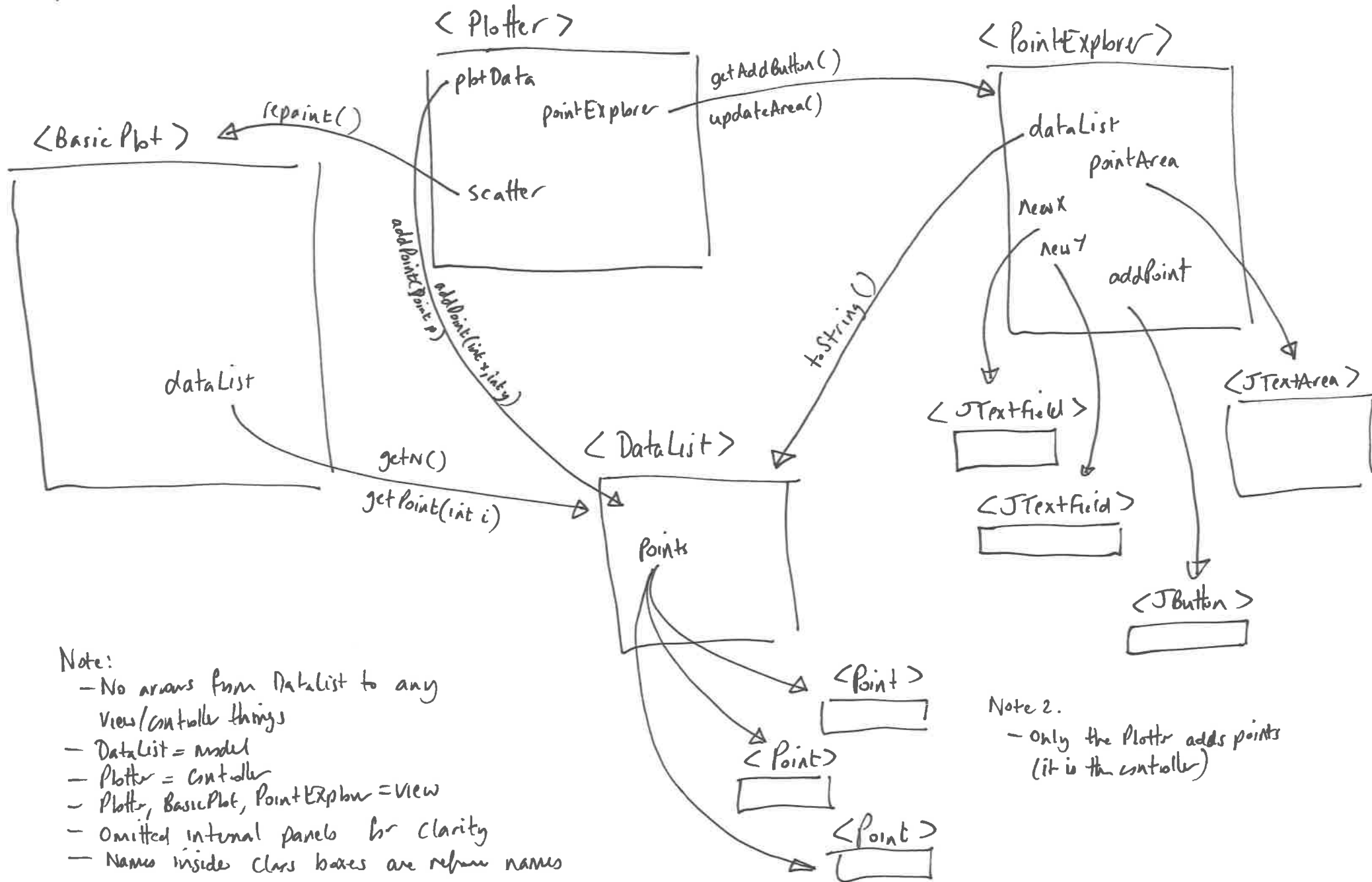Class Relationships → Arrow from A to B Means A has a reference to B

Annotation on arrows show methods used by that reference

< Plotter >
- pltData
- pointExplorer
- Scatter

getAddButton()
updateArea()

repaint()

< PointExplorer >
- dataList
- pointArea
- newX
- newY
- addPoint

< Basic Plot >
- dataList

addPoint(Point p)
addPoint(int x, int y)

getN()
getPoint(int i)

toString()

< DataList >
- Points

< JTextfield >

< JTextField >

< JTextArea >

< JButton >

< Point >
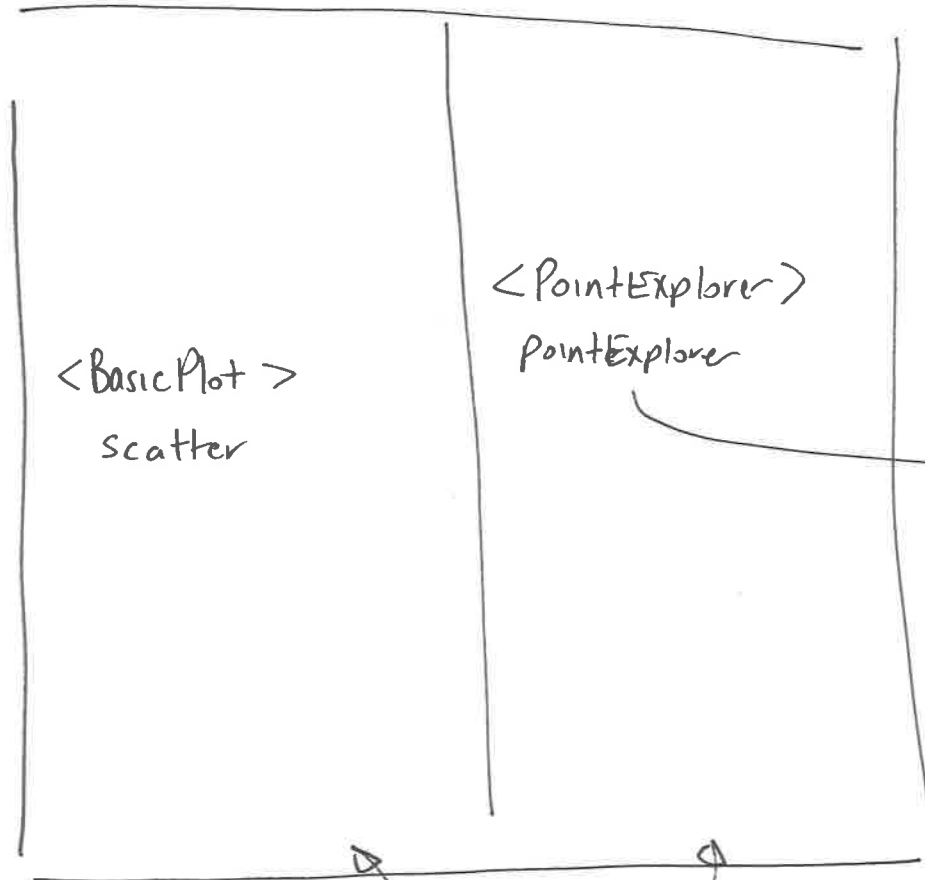
< Point >

< Point >

Note:
- No arrows from DataList to any View/controller things
- DataList = model
- Plotter = Controller
- Plotter, BasicPlot, PointExplorer = View
- Omitted internal panels for clarity
- Names inside class boxes are reference names

Note 2.
- Only the Plotter adds points (it is the controller)

GUI Setup

Plotter

<Plotter>

<BasicPlot>
scatter

<PointExplorer>
PointExplorer

Grid Column 1

Grid Column 2

<JTextArea>
pointArea

Grid row 1

Grid row 2

Add Point

<JTextField>
newX

<JPanel>
fieldPanel

<JTextField>
newY

<JButton>
add Point