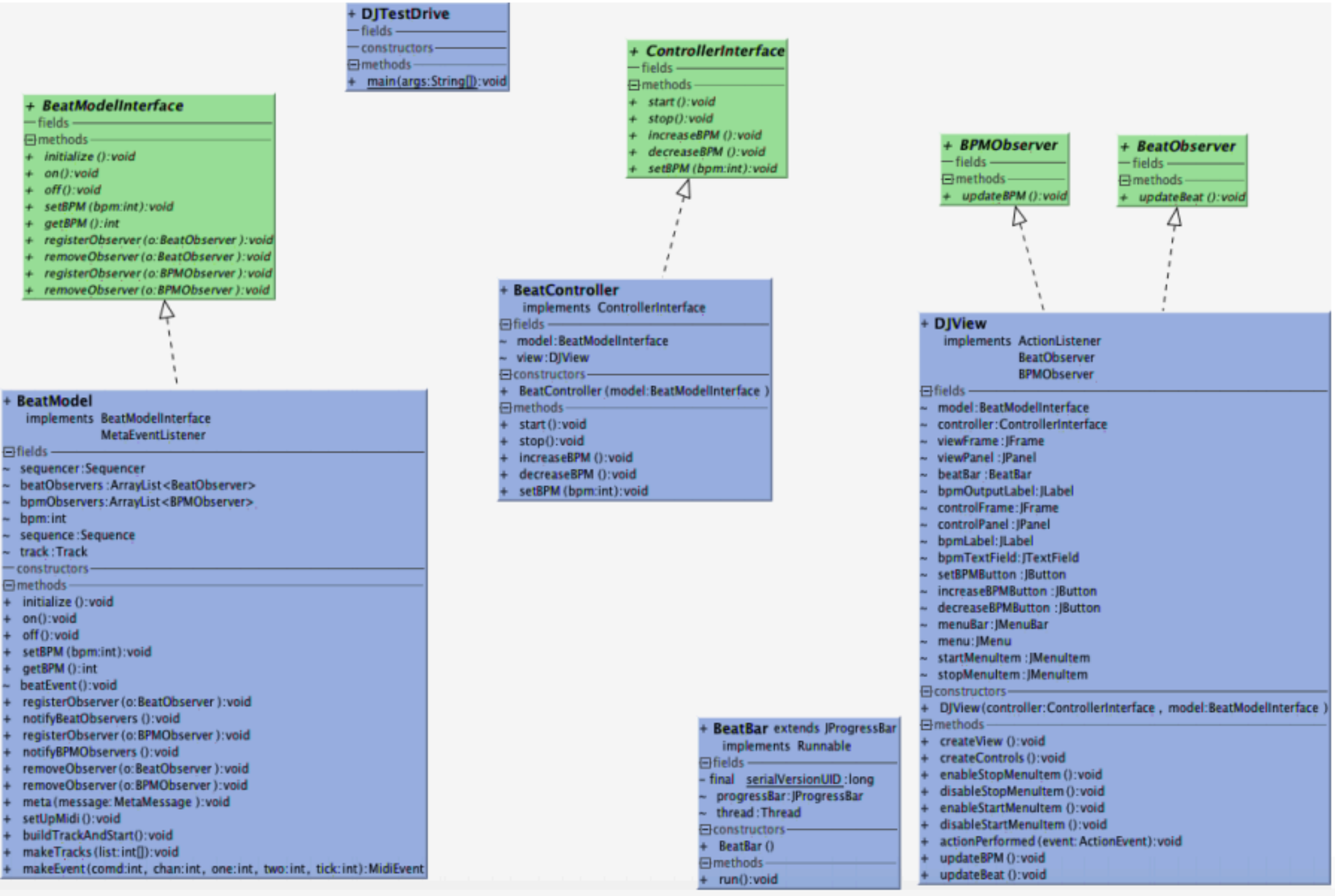
+ DJTestDrive
fields
constructors
methods
+ main(args:String[]):void
+ BeatModelInterface
fields
methods
+ initialize ():void
+ on():void
+ off():void
+ setBPM (bpm:int):void
+ getBPM ():int
+ registerObserver (o:BeatObserver):void
+ removeObserver (o:BeatObserver):void
+ registerObserver (o:BPMObserver):void
+ removeObserver (o:BPMObserver):void
+ ControllerInterface
fields
methods
+ start ():void
+ stop():void
+ increaseBPM ():void
+ decreaseBPM ():void
+ setBPM (bpm:int):void
+ BPMObserver
fields
methods
+ updateBPM ():void
+ BeatObserver
fields
methods
+ updateBeat ():void
+ BeatController
implements ControllerInterface
fields
~ model:BeatModelInterface
~ view:DJView
constructors
+ BeatController (model:BeatModelInterface)
methods
+ start ():void
+ stop():void
+ increaseBPM ():void
+ decreaseBPM ():void
+ setBPM (bpm:int):void
+ DJView
implements ActionListener
BeatObserver
BPMObserver
fields
~ model:BeatModelInterface
~ controller:ControllerInterface
~ viewFrame :JFrame
~ viewPanel :JPanel
~ beatBar :BeatBar
~ bpmOutputLabel:JLabel
~ controlFrame:JFrame
~ controlPanel :JPanel
~ bpmLabel:JLabel
~ bpmTextField:JTextField
~ setBPMButton :JButton
~ increaseBPMButton :JButton
~ decreaseBPMButton :JButton
~ menuBar:JMenuBar
~ menu:JMenu
~ startMenuItem :JMenuItem
~ stopMenuItem :JMenuItem
constructors
+ DJView(controller:ControllerInterface , model:BeatModelInterface)
methods
+ createView ():void
+ createControls ():void
+ enableStopMenuItem ():void
+ disableStopMenuItem ():void
+ enableStartMenuItem ():void
+ disableStartMenuItem ():void
+ actionPerformed (event: ActionEvent):void
+ updateBPM ():void
+ updateBeat ():void
+ BeatModel
implements BeatModelInterface
MetaEventListener
fields
~ sequencer:Sequencer
~ beatObservers :ArrayList<BeatObserver>
~ bpmObservers:ArrayList<BPMObserver>
~ bpm:int
~ sequence :Sequence
~ track :Track
constructors
methods
+ initialize ():void
+ on():void
+ off():void
+ setBPM (bpm:int):void
+ getBPM ():int
~ beatEvent():void
+ registerObserver (o:BeatObserver):void
+ notifyBeatObservers ():void
+ registerObserver (o:BPMObserver):void
+ notifyBPMObservers ():void
+ removeObserver (o:BeatObserver):void
+ removeObserver (o:BPMObserver):void
+ meta (message: MetaMessage):void
+ setUpMidi ():void
+ buildTrackAndStart():void
+ makeTracks (list:int[]):void
+ makeEvent(comd:int, chan:int, one:int, two:int, tick:int):MidiEvent
+ BeatBar extends JProgressBar
implements Runnable
fields
- final serialVersionUID :long
~ progressBar:JProgressBar
~ thread :Thread
constructors
+ BeatBar ()
methods
+ run():void